



Food & Environmental Matrix Reference Materials Catalogue

2024

LGC Quality

ISO 17034 | ISO/IEC 17025 | ISO 9001

For details on our full range of matrix materials
visit us online: [lgcstandards.com](https://www.lgcstandards.com)



Environment
matrix materials



Food matrix
materials



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Preferred Partners

Only LGC offers such a comprehensive range of matrix materials for food and environmental testing thanks to our partnerships with some of the leading reference material producers in the world:

- The National Measurement Laboratory (NML)
- Romer Labs
- Environment Canada
- muva kempten GmbH
- The National Institute of Standards and Technology (NIST)
- Joint Research Centre (JRC)



National Measurement Laboratory (NML)

The National Measurement Laboratory at LGC is the UK's Designated Institute for Chemical and Bio-measurement. The NML delivers world-leading measurement science to solve complex global challenges, ensuring trust and confidence in the thousands of measurements performed routinely within the UK to improve quality of life. Its research underpins work on overcoming some of the biggest challenges of our time.

LGC Standards brings the NML's world-leading research to you as part of a wide range of reference materials which cover the areas of diagnostics, safety and security. The National Measurement Laboratory has an active Reference Material Production team based in Teddington, UK, developing materials to support a wide range of sectors, from food and drink to clinical applications. Many of its reference materials are produced under its accreditation to ISO 17034 as a reference material producer, and characterised using analytical methods which have been verified through participation in key comparison studies organised by the Consultative Committee for Amount of Substance (CCQM) of the International Weights and Measures Organisation (BIPM).

The National Measurement Laboratory's matrix materials have attracted particular interest, ranging from 5 allergen kit, elements and proximates in foods, ABV and congeners in beverages and PCBs in soil to DSC calibration.



Romer Labs

Romer Labs provides Quality Control Materials (QCMs) in various matrices and contamination levels for most of the regulated mycotoxins. A variety of QCMs are available for mycotoxins such as aflatoxin, deoxynivalenol, fumonisins and zearalenone as well as multitoxin QCMs. Certificates of analysis are provided with each batch. All materials are packaged into stable amber plastic bottles with a tamper-proof cap in amounts of 100g each.

Romer Labs QCMs can be used for developing and validating methods, as periodical accuracy checks of accredited analytical methods, to troubleshoot any problems with the analysis and as positive control materials in different assays including checks on rapid test kits.



Environment Canada

We source a range of waters and sediments from Environment Canada. We offer these reference materials so that you can use real-world samples during method validation, for calibration and recovery checks. They can also be used whilst you are testing compliance with environmental regulations and undertaking other monitoring.

muva
kempten muva kempten GmbH

muva kempten GmbH offers an extensive range of approximately 60 different reference materials for checking routine analysis or for the calibration of analytical equipment. These include finished dairy products and foods such as confectionery, meats and fruit juices. Each are supplied with typical expected and uncertainty values, from chemistry analyses such as fatty acid profile, proximates, elements and vitamins to microbiology such as Staphylococcus.



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Preferred Partners



National Institute of Standards
and Technology (NIST)

The National Institute of Standards and Technology was founded in 1901 and is now part of the U.S. Department of Commerce. It is one of the oldest physical science laboratories in the US.

We secure a supply of approximately 90 standard reference materials from NIST. These cover an extraordinary range, from food to serum and urine, and include the less common analytes such as epicatechin, the degree of polymerisation and pathogen DNA, as well as the cornerstone groups such as amino acids, vitamins, trace and major elements, and PCBs. These materials can be used to perform instrument calibrations as part of overall quality assurance programmes, to verify the accuracy of specific measurements and to support the development of new measurement methods.

Each NIST Standard Reference Material® is supplied with a Certificate of Analysis and a Materials Safety Data Sheet, when applicable.



Joint Research Centre (JRC)

The Joint Research Centre is the European Commission's science and knowledge service, which employs scientists to carry out research in order to provide independent scientific advice and support to EU policy.

Over the last few decades the JRC has become one of the world's leading producers of matrix CRMs for food, clinical, environmental and industrial analysis. JRC's facilities hold accreditations for reference material production (ISO 17034), testing (ISO/IEC 17025) and proficiency testing (17043).

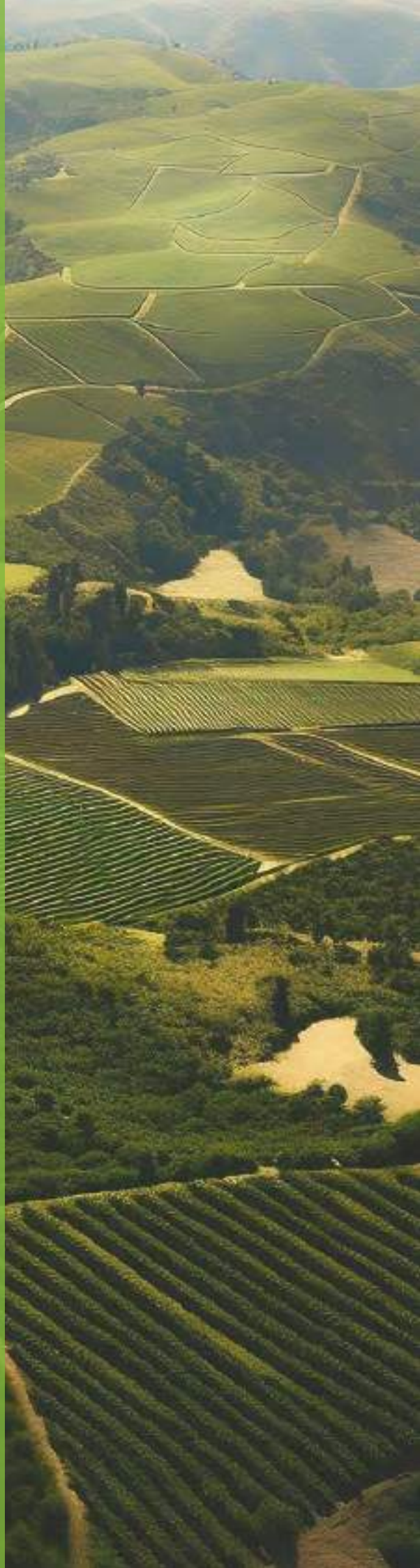
More than 700 reference materials from the JRC are currently available under the registered trademarks ERM®, EURM®, IRMM® and BCR®; new materials are developed every year and are released after careful peer review from internal and external experts.

Currently LGC holds stock of more than 6000 units of certified BCR and IRMM products, as well as JRC produced ERM-branded materials.

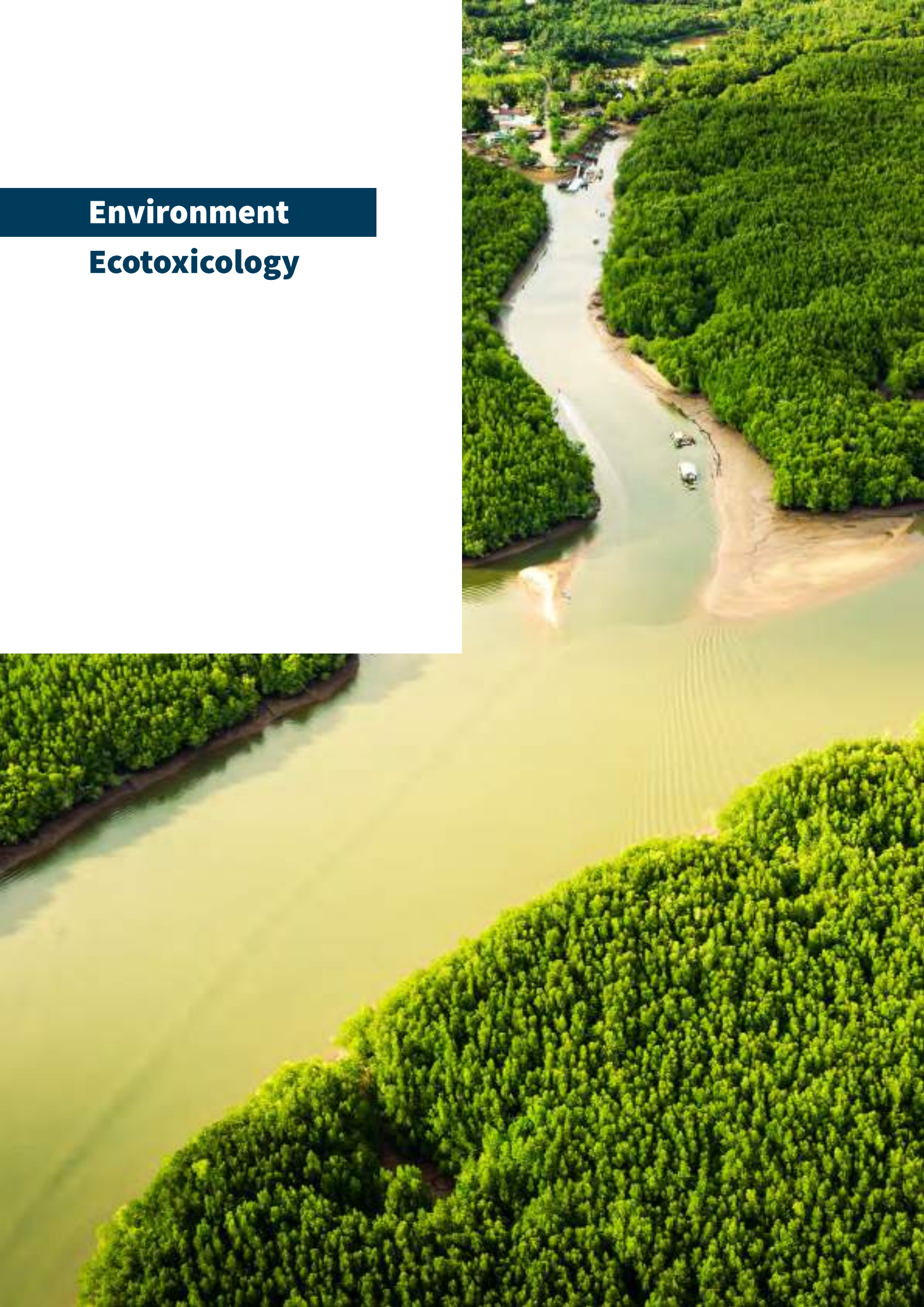


Contents

Environment	5
Ecotoxicology	5
Elements and General Attributes	43
Air and Particulates	45
Soil, Sediment and Sludge	50
Water and Water Plants	75
Isotopes	93
Gas Standards	100
Physical	102
Food, Feed and Beverages	104
Composition	104
ABV	136
Amino Acids	138
Elements and Attributes	140
Radionucleotides and Isotopes	163
Fatty Acid Profile	165
GMO	173
Species or Allergens	179
Specific Components	182
Vitamins	188
Contaminants	191
Microbiological	193
Mycotoxins	196
Pharmaceutical and Veterinary Residues	202
Toxicology	204
Physical	220



Environment
Ecotoxicology



Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
BCR-048R	BENZO (k) FLUORANTHENE (purity)	Benzo(k)fluoranthene	10mg	207-08-9	0.997g/g
BCR-050	BENZO (e) PYRENE (purity)	Benzo(e)pyrene	100mg	192-97-2	0.991g/g
BCR-052	BENZO (g h i) PERYLENE (purity)	Benzo[ghi]perylene	100mg	191-24-2	0.9923g/g
BCR-077R	1-METHYLCHRYSENE (purity)	1-Methylchrysene	10mg	3351-28-8	0.991g/g
BCR-078R	2-METHYLCHRYSENE (purity)	2-Methylchrysene	10mg	3351-32-4	0.993g/g
BCR-079R	3-METHYLCHRYSENE (purity)	3-Methylchrysene	10mg	3351-31-3	0.993g/g
BCR-080R	4-METHYLCHRYSENE (purity)	4-Methylchrysene	10mg	3351-30-2	0.994g/g
BCR-091	ANTHANTHRENE (purity)	Anthanthrene	100mg	191-26-4	0.996g/g
BCR-092	10-AZABENZO (a) PYRENE (purity)	10-Azabenz[a]pyrene	100mg	189-92-4	0.996g/g
BCR-093R	1-METHYLBENZ (a) ANTHRACENE (purity)	1-Methylbenz[a]anthracene	10mg	2498-77-3	0.996g/g
BCR-094	DIBENZ (a,c) ANTHRACENE (purity)	Dibenzo[a,c]anthracene	100mg	215-58-7	0.9982g/g
BCR-095	DIBENZ (a,j) ANTHRACENE (purity)	Dibenzo(a,j)anthracene	100mg	224-41-9	0.9978g/g
BCR-096	DIBENZO (a,l) PYRENE (purity)	Dibenzo(A,L)Pyrene	100mg	191-30-0	0.9972g/g
BCR-097	BENZO (a) FLUORANTHENE (purity)	Benzo(a)fluoranthene	100mg	203-33-8	0.996g/g
BCR-133	DIBENZO (a,e) PYRENE (purity)	Dibenzo(a,e)pyrene	100mg	192-65-4	0.996g/g
BCR-134	BENZO (c) PHENANTHRENE (purity)	Benzo(c)phenanthrene	100mg	195-19-7	0.9978g/g
BCR-136R	BENZO (b) NAPHTHO (2,3-d) THIOPHENE (purity)	Benzo[b]naphtho[2,3-d]thiophene	10mg	243-46-9	0.994g/g
BCR-137R	BENZO (b) NAPHTHO (1,2-d) THIOPHENE (purity)	Benzo(b)naphtho(1,2-d)thiophene	10mg	205-43-6	0.9966g/g
BCR-138	DIBENZO (a,h) ANTHRACENE (purity)	Dibenzo(a,h)anthracene	100mg	53-70-3	0.99g/g
BCR-139	BENZO (g h i) FLUORANTHENE (purity)	Benzo(g,h,i)fluoranthene	100mg	203-12-3	0.995g/g
BCR-140	BENZO (c) CHRYSENE (purity)	Benzo(c)chrysene	100mg	194-69-4	0.996g/g
BCR-152	DIBENZ (a,i) ACRIDINE (purity)	Dibenz[a,i]acridine	20mg	226-92-6	0.9985g/g
BCR-153R	DIBENZ (a,h) ACRIDINE (purity)	Dibenzo[a,h]acridine	10mg	226-36-8	0.994g/g
BCR-154	DIBENZ (a,j) ACRIDINE (purity)	Dibenz(A,J)Acridine	100mg	224-42-0	0.999g/g
BCR-155	DIBENZ (a,c) ACRIDINE (purity)	Dibenzo(a,c)acridine	100mg	215-62-3	0.9991g/g
BCR-156R	DIBENZ (c,h) ACRIDINE (purity)	Dibenz[c,h]acridine	10mg	224-53-3	0.9936g/g
BCR-157	BENZ (a) ACRIDINE (purity)	Benzo[a]acridine	100mg	225-11-6	0.9982g/g
BCR-158	BENZ (c) ACRIDINE (purity)	Benzo(c)acridine	100mg	225-51-4	0.9987g/g
BCR-159	DIBENZO (a,h) PYRENE (purity)	Dibenzo[a,h]pyrene	100mg	189-64-0	0.9992g/g
BCR-177R	PYRENE (purity)	Pyrene	10mg	129-00-0	0.9991

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

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BCR-265	DIBENZO (a,e) FLUORANTHENE (purity)	Dibenzo(a,e)fluoranthene	20mg	5385-75-1	0.9985g/g
BCR-266	7H-DIBENZO (c,g) CARBAZOLE (purity)	7H-Dibenzo[c,g]carbazole	20mg	194-59-2	0.9971g/g
BCR-267	INDENO (1,2,3-cd) FLUORANTHENE (purity)	Indeno(1,2,3-c,d)fluoranthene	20mg	193-43-1	0.9986g/g
BCR-269	CHRYSENE (purity)	Chrysene	20mg	218-01-9	0.9928g/g
BCR-270	TRIPHENYLENE (purity)	Triphenylene	20mg	217-59-4	0.9984g/g
BCR-271	BENZ (a) ANTHRACENE (purity)	Benz[a]anthracene	20mg	56-55-3	0.9984g/g
BCR-272	CORONENE (purity)	Coronene	20mg	191-07-1	0.9989g/g
BCR-289	2,4'-DICHLOROBIPHENYL (IUPAC N.8) (purity)	PCB No. 8	25mg	34883-43-7	0.9963g/g
BCR-290	2,3,3'-TRICHLOROBIPHENYL (IUPAC N.20) (purity)	PCB No. 20	25mg	38444-84-7	0.9985g/g
BCR-291	2,4,4'-TRICHLOROBIPHENYL (IUPAC N. 28) (purity)	PCB No. 28	25mg	7012-37-5	0.9979g/g
BCR-293	2,2',5,5'-TETRACHLORO-BIPHENYL (IUPAC N. 52) (purity)	PCB No. 52	25mg	35693-99-3	0.9959g/g
BCR-296	2,2',3,4,4',5'-HEXACHLORO-BIPHENYL (IUPAC N. 138) (purity)	2,2',3,4,4',5'-Hexachlorobiphenyl	25mg	35065-28-2	0.9992g/g
BCR-297	2,2',4,4',5,5'-HEXACHLORO-BIPHENYL (IUPAC N. 153) (purity)	PCB No. 153	25mg	35065-27-1	0.9994g/g
BCR-305	1-NITROPYRENE (purity)	1-Nitropyrene	10mg	5522-43-0	0.9976g/g
BCR-306	1-NITRONAPHTALENE (purity)	1-Nitronaphthalene	10mg	86-57-7	0.9969g/g
BCR-307	2-NITRONAPHTALENE (purity)	2-Nitronaphthalene	10mg	581-89-5	0.9977g/g
BCR-308	9-NITROANTHRACENE (purity)	9-Nitroanthracene	10mg	602-60-8	0.9975g/g
BCR-309	6-NITROCHRYSENE (purity)	6-Nitrochrysene	10mg	7496-02-8	0.989g/g
BCR-310	NITROFLUORANTHENE (purity)	3-Nitrofluoranthene	10mg	892-21-7	0.9968g/g
BCR-311	6-NITROBENZO (a) PYRENE (purity)	6-Nitrobenz(a)pyrene	10mg	63041-90-7	0.9978g/g
BCR-312	2-NITRO-7-METHOXY-YNAPHTHO (2,1-b) FURAN (purity)	2-Nitro-7-Methoxynaphtho[2,1-b]furan	10mg	75965-74-1	0.9984g/g
BCR-337	DIBENZO (b,d) FURAN (purity)	Dibenzofuran	10mg	132-64-9	0.987g/g
BCR-339	BENZO (c,d) PYREN-6-ONE (purity)	6H-Benzo[cd]pyren-6-one	10mg	3074-00-8	0.988g/g
BCR-340	BENZO (b) NAPHTHO (1,2-d) FURAN (purity)	Benzo[b]naphtho[2,1-d]furan	10mg	239-30-5	0.997g/g
BCR-341	BENZO (b) NAPHTHO (2,1-d) FURAN (purity)	Benzo[b]naphtho[2,1-d]furan	10mg	239-30-5	0.996g/g
BCR-342	BENZO (a) FLUORENONE (purity)	Benzo[a]fluorenone	10mg	479-79-8	0.9979g/g

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
BCR-365	PCB Standard Solution in iso-Octane	2x2ml	10
	Analyte	CAS Number	Analyte Concentration
	2,2',3,4,4',5'-Hexachlorobiphenyl	35065-28-2	8.6µg/g
	PCB No. 101	37680-73-2	14.4µg/g
	PCB No. 118	31508-00-6	14.9µg/g
	PCB No. 153	35065-27-1	14.2µg/g
	PCB No. 180	35065-29-3	15.2µg/g
	PCB No. 20	38444-84-7	15.2µg/g
	PCB No. 28	7012-37-5	24.8µg/g
	PCB No. 35	37680-69-6	14.3µg/g
	PCB No. 52	35693-99-3	14.8µg/g
	PCB No. 8	34883-43-7	11.4µg/g

Product Code	Product Description	Pack size	Number of Analytes
BCR-420	Waste mineral oil - PCBs (low level)	7.5g	5
	Analyte	CAS Number	Analyte Concentration
	PCB No. 101	37680-73-2	1.45mg/kg
	PCB No. 118	31508-00-6	1.69mg/kg
	PCB No. 153	35065-27-1	0.92mg/kg
	PCB No. 180	35065-29-3	0.195mg/kg
	PCB No. 28	7012-37-5	0.61mg/kg

Product Code	Product Description	Pack size	Number of Analytes
BCR-449	Waste mineral oil - PCBs (high level)	50g	10
	Analyte	CAS Number	Analyte Concentration
	PCB No. 101	37680-73-2	57.2mg/kg
	PCB No. 105	32598-14-4	17.4mg/kg
	PCB No. 118	31508-00-6	46.6mg/kg
	PCB No. 128	38380-07-3	12.5mg/kg
	PCB No. 153	35065-27-1	39mg/kg
	PCB No. 156	38380-08-4	6.9mg/kg
	PCB No. 170	35065-30-6	6.6mg/kg
	PCB No. 180	35065-29-3	10.4mg/kg
	PCB No. 28	7012-37-5	0.8mg/kg
	PCB No. 52	35693-99-3	31.4mg/kg

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
BCR-481	Industrial soil - PCBs	25g	8
	Analyte	CAS Number	Analyte Concentration
	PCB No. 101	37680-73-2	37mg/kg
	PCB No. 118	31508-00-6	9.4mg/kg
	PCB No. 128	38380-07-3	9.1mg/kg
	PCB No. 149	38380-04-0	97mg/kg
	PCB No. 153	35065-27-1	137mg/kg
	PCB No. 156	38380-08-4	7mg/kg
	PCB No. 170	35065-30-6	52mg/kg
	PCB No. 180	35065-29-3	124mg/kg

Product Code	Product Description	Pack size	Number of Analytes
BCR-490	Fly ash - Dioxins and furans	30g	12
	Analyte	CAS Number	Analyte Concentration
	1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9	2.37µg/kg
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	39227-28-6	0.95µg/kg
	1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9	2.64µg/kg
	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	57653-85-7	4.8µg/kg
	1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9	0.34µg/kg
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	19408-74-3	2.84µg/kg
	1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	1.71µg/kg
	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	40321-76-4	0.67µg/kg
	2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5	2.47µg/kg
	2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	1.85µg/kg
	2,3,7,8-Tetrachlorodibenzofuran	51207-31-9	0.9µg/kg
	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	0.169µg/kg

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
BCR-524	INDUSTRIAL SOIL (PAHs)	40g	9
	Analyte	CAS Number	Analyte Concentration
	1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9	2.64µg/kg
	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	57653-85-7	4.8µg/kg
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	19408-74-3	2.84µg/kg
	Benz[a]anthracene	56-55-3	22.5mg/kg
	Benzo(e)pyrene	192-97-2	10.6mg/kg
	Benzo(k)fluoranthene	207-08-9	6.2mg/kg
	Benzo[a]pyrene	50-32-8	8.6mg/kg
	Benzo[b]fluoranthene	205-99-2	13.5mg/kg
	Benzo[b]naphtho[2,1-d]thiophene	239-35-0	3.8mg/kg
	Indeno[1,2,3-cd]pyrene	193-39-5	5.1mg/kg
	Pentachlorophenol	87-86-5	0.034mg/kg
	Pyrene	129-00-0	173mg/kg

Product Code	Product Description	Pack size	Number of Analytes
BCR-529	Industrial sandy soil - PCDDs and PCDFs	50g	15
	Analyte	CAS Number	Analyte Concentration
	1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9	3.4µg/kg
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	39227-28-6	1.22µg/kg
	1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9	1.09µg/kg
	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	57653-85-7	5.4µg/kg
	1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9	0.022µg/kg
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	19408-74-3	3µg/kg
	1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	0.145µg/kg
	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	40321-76-4	0.44µg/kg
	2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5	0.37µg/kg
	2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	0.36µg/kg
	2,3,7,8-Tetrachlorodibenzofuran	51207-31-9	0.078µg/kg
	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	4.5µg/kg
	2,4,5-Trichlorophenol	95-95-4	1.51mg/kg
	3,4-Dichlorophenol	95-77-2	0.23mg/kg
	Pentachlorophenol	87-86-5	0.23mg/kg

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
BCR-530	Industrial clay soil - Dioxins and furans	50g	10
	Analyte	CAS Number	Analyte Concentration
	1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9	0.321µg/kg
	1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9	0.186µg/kg
	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	57653-85-7	0.061µg/kg
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	19408-74-3	0.0218µg/kg
	1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	0.24µg/kg
	2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5	0.126µg/kg
	2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	0.62µg/kg
	2,4,5-Trichlorophenol	95-95-4	40mg/kg
	3,4-Dichlorophenol	95-77-2	6mg/kg
	Pentachlorophenol	87-86-5	0.47mg/kg

Product Code	Product Description	Pack size	Number of Analytes
BCR-535	Freshwater harbour sediment - PAHs	40g	7
	Analyte	CAS Number	Analyte Concentration
	Benz[a]anthracene	56-55-3	1.54mg/kg
	Benzo(e)pyrene	192-97-2	1.86mg/kg
	Benzo(k)fluoranthene	207-08-9	1.09mg/kg
	Benzo[a]pyrene	50-32-8	1.16mg/kg
	Benzo[b]fluoranthene	205-99-2	2.29mg/kg
	Indeno[1,2,3-cd]pyrene	193-39-5	1.56mg/kg
	Pyrene	129-00-0	2.52mg/kg

Product Code	Product Description	Pack size	Number of Analytes
BCR-536	Freshwater harbour sediment - PCBs	40g	13
	Analyte	CAS Number	Analyte Concentration
	2,2',3,4,4',5'-Hexachlorobiphenyl	35065-28-2	27µg/kg
	PCB No. 101	37680-73-2	44µg/kg
	PCB No. 105	32598-14-4	3.5µg/kg
	PCB No. 118	31508-00-6	27.5µg/kg
	PCB No. 128	38380-07-3	5.4µg/kg
	PCB No. 149	38380-04-0	49µg/kg
	PCB No. 153	35065-27-1	50µg/kg
	PCB No. 156	38380-08-4	3µg/kg
	PCB No. 163	74472-44-9	17.2µg/kg
	PCB No. 170	35065-30-6	13.4µg/kg
	PCB No. 180	35065-29-3	22.4µg/kg
	PCB No. 28	7012-37-5	44µg/kg
	PCB No. 52	35693-99-3	38µg/kg

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Analyte	Pack Size	CAS number	Analyte Concentration
BCR-546	Formaldehyde-2,4-dinitrophenylhydrazone (DNPH)	5mg	1081-15-8	>99.3%
BCR-547	Acetaldehyde-2,4-dinitrophenylhydrazone (DNPH)	5mg	1019-57-4	98.3%
BCR-548	Acrolein-2,4-dinitrophenylhydrazone	5mg	888-54-0	>97.9%
BCR-549	Acetone-DNPH	5mg	1567-89-1	>99.6%
BCR-550	Glutaraldehyd-bis(2,4-dinitrophenylhydrazone)	10mg	5085-07-4	>98.1%

Product Code	Product Description	Pack size	Number of Analytes
BCR-551-2	2,4-Dinitrophenylhydrazones in Acetonitrile	Set	4
	Analyte	CAS Number	Analyte Concentration
	Acetaldehyde-2,4-dinitrophenylhydrazone (DNPH)	1019-57-4	4.89mg/L
	Acetone-DNPH	1567-89-1	4.96mg/L
	Acrolein-2,4-dinitrophenylhydrazone	888-54-0	0.483mg/L
	Formaldehyde-2,4-dinitrophenylhydrazone (DNPH)	1081-15-8	2.94mg/L



Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
BCR-553-4	Formaldehyde-2,4-dinitrophenyl-hydrazone on filter	Formaldehyde-2,4-dinitrophenylhydrazone (DNPH)	Set	1081-15-8	4.96µg/filter

Product Code	Product Description	Pack size	Number of Analytes
NIST 1648A	Urban particulate matter – Constituent elements	2g	190
	Analyte	CAS Number	Analyte Concentration
	1,7-Dimethylphenanthrene	483-87-4	(0.000026)%
	1-Methylfluoranthene	25889-60-5	(0.0000229)%
	1-Methylphenanthrene	832-69-9	(0.0000438)%
	1-Methylpyrene	2381-21-7	(0.0000507)%
	1-Nitronaphthalene	86-57-7	(0.00000094)%
	1-Nitropyrene	5522-43-0	(0.00000857)%
	2,2',3,4,4',5'-Hexachlorobiphenyl	35065-28-2	(0.0000041)%
	2,4'-DDT	789-02-6	(0.00000162)%
	2-Methylchrysene	3351-32-4	(0.0000538)%
	2-Methylphenanthrene	2531-84-2	0.000096%
	2-Methylpyrene	3442-78-2	(0.000033)%
	2-Nitrofluoranthene	13177-29-2	(0.0000257)%
	2-Nitronaphthalene	581-89-5	(0.000000761)%
	2-Nitropyrene	789-07-1	(0.00000487)%
	3-Methylchrysene	3351-31-3	(0.0000351)%
	3-Methylfluoranthene	1706-01-0	(0.0000394)%
	3-Methylphenanthrene	832-71-3	0.0000614%
	3-Nitrobiphenyl	2113-58-8	(0.000000447)%
	3-Nitrofluoranthene	892-21-7	(0.000000661)%
	3-Nitrophenanthrene	17024-19-0	(0.00000234)%
	4,4'-DDE	72-55-9	(0.00000208)%
	4,4'-DDT	50-29-3	(0.0000076)%
	4,5-Methylenephenanthrene	203-64-5	(0.0000291)%
	4-Methylpyrene	3353-12-6	(0.0000321)%
	4-Nitroacenaphthene	82064-15-1	(0.000000104)%
	4-Nitropyrene	57835-92-4	(0.000000894)%
	5-Nitroacenaphthene	602-87-9	(0.00000035)%
	6-Methylchrysene	1705-85-7	(0.0000204)%
	6-Nitrochrysene	7496-02-8	(0.000000675)%
7-Nitrobenzo[a]anthracene	20268-51-3	(0.0000083)%	
8-Methylfluoranthene	20485-57-8	(0.0000275)%	
8-Nitrofluoranthene	13177-32-7	(0.00000128)%	
9-Methylphenanthrene	883-20-5	(0.000046)%	
9-Nitroanthracene	602-60-8	(0.0000178)%	
9-Nitrophenanthrene	954-46-1	(0.00000027)%	
Acenaphthene	83-32-9	(0.000025)%	

Continued on next page

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Continued from previous page

Analyte	CAS Number	Analyte Concentration
Acenaphthylene	208-96-8	(0.0000173)%
alpha-HCH	319-84-6	(0.00000084)%
Aluminium	7429-90-5	3.43%
Anthanthrene	191-26-4	(0.0000544)%
Anthracene	120-12-7	(0.0000459)%
Antimony	7440-36-0	0.00454%
Arsenic	7440-38-2	0.01155%
Benz[a]anthracene	56-55-3	0.000271%
Benzo(a)fluoranthene	203-33-8	(0.0000449)%
Benzo(b)chrysene	214-17-5	0.0000405%
Benzo(c)chrysene	194-69-4	(0.0000143)%
Benzo(c)phenanthrene	195-19-7	(0.0000819)%
Benzo(e)pyrene	192-97-2	0.000485%
Benzo(g,h,i)fluoranthene	203-12-3	0.000117%
Benzo(j)fluoranthene	205-82-3	(0.00032)%
Benzo(k)fluoranthene	207-08-9	0.000303%
Benzo[a]pyrene	50-32-8	0.000257%
Benzo[b]fluoranthene	205-99-2	(0.000889)%
Benzo[ghi]perylene	191-24-2	0.0005%
Biphenyl	92-52-4	(0.0000186)%
Boron	7440-42-8	(0.0161)%
Bromine	7726-95-6	0.0502%
Cadmium	7440-43-9	0.00737%
Calcium	7440-70-2	5.84%
Carbon	7440-44-0	2.3%
Cerium	7440-45-1	0.00546%
Cesium	7440-46-2	(0.00034)%
Chlorine	7782-50-5	0.4543%
Chromium	7440-47-3	0.0402%
Chrysene	218-01-9	0.000612%
Cis-Chlordane (Alpha Isomer)	5103-71-9	(0.00000191)%
cis-Nonachlor	5103-73-1	(0.000000216)%
Cobalt	7440-48-4	0.001793%
Copper	7440-50-8	0.061%
Coronene	191-07-1	0.000228%
Cyclopenta(c,d)pyrene	27208-37-3	(0.0000239)%
Dibenzo(a,e)pyrene	192-65-4	0.0000622%
Dibenzo(a,h)anthracene	53-70-3	(0.000042)%
Dibenzo(a,j)anthracene	224-41-9	0.0000407%
Dibenzo(A,L)Pyrene	191-30-0	(0.0000076)%
Dibenzo(b,k)fluoranthene	205-97-0	0.0000947%
Dibenzo[a,c]anthracene	215-58-7	(0.000038)%
Dibenzo[a,k]fluoranthene	84030-79-5	(0.0000057)%

Continued on next page

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Continued from previous page

Analyte	CAS Number	Analyte Concentration
Dibenzo[b,e]fluoranthene	2997-45-7	(0.0000098)%
Dibenzo[e,l]pyrene	192-51-8	(0.0000355)%
Dibenzo[j,l]fluoranthene	203-18-9	(0.0000518)%
Dibenzothiophene	132-65-0	(0.0000262)%
Fluoranthene	206-44-0	0.000807%
Fluorene	86-73-7	(0.0000251)%
gamma-HCH	58-89-9	(0.000000097)%
Hafnium	7440-58-6	0.00052%
Hexachlorobenzene	118-74-1	(0.00000052)%
Indeno[1,2,3-cd]pyrene	193-39-5	0.000417%
Iron	7439-89-6	3.92%
Lanthanum	7439-91-0	(0.0039)%
Lead	7439-92-1	0.655%
Magnesium	7439-95-4	0.813%
Manganese	7439-96-5	0.079%
Mercury	7439-97-6	0.0001323%
Mirex	2385-85-5	(0.000000223)%
Naphthalene	91-20-3	(0.000123)%
Naphtho[1,2-b]fluoranthene	111189-32-3	(0.0000635)%
Naphtho[2,1-a]pyrene	189-96-8	(0.0000438)%
Naphtho[2,3-b]fluoranthene	206-06-4	(0.0000186)%
Naphtho[2,3-e]pyrene	193-09-9	(0.0000227)%
Nickel	7440-02-0	0.00811%
Organic Carbon		10.5%
oxy-Chlordane	27304-13-8	(0.000000307)%
PCB No. 101	37680-73-2	(0.0000034)%
PCB No. 105	32598-14-4	0.00000196%
PCB No. 107	70424-68-9	(0.00000028)%
PCB No. 110	38380-03-9	0.00000254%
PCB No. 118	31508-00-6	(0.00000305)%
PCB No. 128	38380-07-3	(0.00000104)%
PCB No. 130	52663-66-8	(0.000000225)%
PCB No. 137	35694-06-5	(0.00000143)%
PCB No. 146	51908-16-8	(0.000000509)%
PCB No. 149	38380-04-0	0.00000389%
PCB No. 151	52663-63-5	(0.00000086)%
PCB No. 153	35065-27-1	0.000004%
PCB No. 156	38380-08-4	(0.00000074)%
PCB No. 157	69782-90-7	(0.000000154)%
PCB No. 158	74472-42-7	(0.000000428)%
PCB No. 170	35065-30-6	(0.00000242)%
PCB No. 174	38411-25-5	(0.00000147)%
PCB No. 175	40186-70-7	(0.000000055)%

Continued on next page

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Continued from previous page

Analyte	CAS Number	Analyte Concentration
PCB No. 176	52663-65-7	(0.000000141)%
PCB No. 177	52663-70-4	(0.000000831)%
PCB No. 178	52663-67-9	(0.000000266)%
PCB No. 18	37680-65-2	(0.00000121)%
PCB No. 180	35065-29-3	(0.00000459)%
PCB No. 183	52663-69-1	0.000000799%
PCB No. 185	52712-05-7	(0.000000184)%
PCB No. 187	52663-68-0	0.00000171%
PCB No. 189	39635-31-9	(0.000000129)%
PCB No. 191	74472-50-7	(0.000000096)%
PCB No. 194	35694-08-7	0.00000191%
PCB No. 200	52663-73-7	(0.000000165)%
PCB No. 201	40186-71-8	(0.000000166)%
PCB No. 203	52663-76-0	(0.00000029)%
PCB No. 205	74472-53-0	(0.000000133)%
PCB No. 206	40186-72-9	(0.00000126)%
PCB No. 207	52663-79-3	(0.000000253)%
PCB No. 208	52663-77-1	(0.00000049)%
PCB No. 209	2051-24-3	(0.00000105)%
PCB No. 28	7012-37-5	(0.00000161)%
PCB No. 31	16606-02-3	(0.00000163)%
PCB No. 44	41464-39-5	(0.00000104)%
PCB No. 45	70362-45-7	(0.00000015)%
PCB No. 49	41464-40-8	(0.00000081)%
PCB No. 52	35693-99-3	(0.00000165)%
PCB No. 56	41464-43-1	(0.00000155)%
PCB No. 66	32598-10-0	(0.00000237)%
PCB No. 70	32598-11-1	(0.00000268)%
PCB No. 74	32690-93-0	(0.00000101)%
PCB No. 8	34883-43-7	(0.00000112)%
PCB No. 82	52663-62-4	(0.00000034)%
PCB No. 87	38380-02-8	(0.00000113)%
PCB No. 92	52663-61-3	(0.00000036)%
PCB No. 95	38379-99-6	(0.00000346)%
Perylene	198-55-0	0.0000742%
Phenanthrene	85-01-8	0.000486%
Picene	213-46-7	0.0000586%
Potassium	7440-09-7	1.056%
Pyrene	129-00-0	0.000588%
Retene	483-65-8	(0.0000687)%
Rubidium	7440-17-7	0.0051%
Samarium	7440-19-9	(0.00043)%
Scandium	7440-20-2	0.0006-0.0120%

Continued on next page

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Continued from previous page

Analyte	CAS Number	Analyte Concentration
Silicon	7440-21-3	12.8%
Silver	7440-22-4	(0.0006)%
Sodium	7440-23-5	0.424%
Strontium	7440-24-6	0.0215%
Thorium	7440-29-1	0.0007-0.0107%
Titanium	7440-32-6	0.4021%
Total Carbon		12.7%
Toxaphene Parlar 25	166106-91-8	(0.000000258)%
Toxaphene Parlar 26	142534-71-2	(0.000000178)%
Toxaphene Parlar 31	165820-14-4	(0.000000109)%
Toxaphene Parlar 32	51775-36-1	(0.00000102)%
Toxaphene Parlar 39	64618-67-3	(0.000000231)%
Toxaphene Parlar 40	166021-27-8	(0.00000111)%
Toxaphene Parlar 41	165820-16-6	(0.000000423)%
Toxaphene Parlar 44	165820-17-7	(0.000000495)%
Toxaphene Parlar 50	66860-80-8	(0.000000767)%
Toxaphene Parlar 56	64618-71-9	(0.000000407)%
Toxaphene Parlar 58	165820-20-2	(0.000000927)%
Toxaphene Parlar 62	154159-06-5	(0.00000087)%
Trans-Chlordane (Gamma Isomer)	5103-74-2	(0.00000296)%
trans-Nonachlor	39765-80-5	(0.00000149)%
Triphenylene	217-59-4	0.000204%
Tungsten	7440-33-7	(0.00046)%
Vanadium	7440-62-2	0.0127%
Zinc	7440-66-6	0.48%



Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
NIST-2786	Fine particulate matter (4< μm) - Organics (PAHs, nitro-PAHs, PBDEs, HBCD, trace elements)	Bottle (100 mg)	37
	Analyte	CAS Number	Analyte Concentration
	1-Nitropyrene	5522-43-0	85.9ppb
	2-Nitrofluoranthene	13177-29-2	330ppb
	Aluminium	7429-90-5	33480ppm
	Benz[a]anthracene	56-55-3	4.82ppm
	Benzo(a)fluoranthene	203-33-8	0.898ppm
	Benzo(b)chrysene	214-17-5	0.662ppm
	Benzo(c)phenanthrene	195-19-7	1.597ppm
	Benzo(e)pyrene	192-97-2	4.77ppm
	Benzo(g,h,i)fluoranthene	203-12-3	3.158ppm
	Benzo(j)fluoranthene	205-82-3	4.37ppm
	Benzo(k)fluoranthene	207-08-9	3.48ppm
	Benzo[a]pyrene	50-32-8	3.7ppm
	Benzo[b]fluoranthene	205-99-2	7.51ppm
	Benzo[ghi]perylene	191-24-2	5.6ppm
	Cadmium	7440-43-9	4.34ppm
	Chromium	7440-47-3	462.2ppm
	Chrysene	218-01-9	6.82ppm
	Copper	7440-50-8	847ppm
	Coronene	191-07-1	2.156ppm
	Dibenzo(a,e)pyrene	192-65-4	0.812ppm
	Dibenzo(a,h)anthracene	53-70-3	0.717ppm
	Dibenzo(a,j)anthracene	224-41-9	0.61ppm
	Dibenzo(b,k)fluoranthene	205-97-0	1.013ppm
	Dibenzo[a,c]anthracene	215-58-7	0.509ppm
	Fluoranthene	206-44-0	10.28ppm
	Fluorene	86-73-7	0.195ppm
	Indeno[1,2,3-cd]pyrene	193-39-5	4.87ppm
	Lead	7439-92-1	286ppm
	Manganese	7439-96-5	780ppm
	Mercury	7439-97-6	5.32ppm
	PBDE 209 (2,2',3,3',4,4',5,5',6,6'-Decabromodiphenyl Ether)	1163-19-5	243ppb
	PBDE 99 (2,2',4,4',5-Pentabromodiphenyl Ether)	60348-60-9	7.6ppb
	Perylene	198-55-0	0.769ppm
	Picene	213-46-7	1.242ppm
	Pyrene	129-00-0	8.01ppm
	Triphenylene	217-59-4	1.794ppm
	Vanadium	7440-62-2	85.5ppm

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
NIST-2787	Fine Particulate Matter <special id="110 micrometers	140g	34
	Analyte	CAS Number	Analyte Concentration
	1-Nitropyrene	5522-43-0	69.5ppb
	2-Nitrofluoranthene	13177-29-2	280ppb
	Aluminium	7429-90-5	35970ppm
	Benzo(a)fluoranthene	203-33-8	0.736ppm
	Benzo(b)chrysene	214-17-5	0.581ppm
	Benzo(e)pyrene	192-97-2	4.05ppm
	Benzo(g,h,i)fluoranthene	203-12-3	3.44ppm
	Benzo(j)fluoranthene	205-82-3	3.77ppm
	Benzo(k)fluoranthene	207-08-9	2.94ppm
	Benzo[a]pyrene	50-32-8	3.228ppm
	Benzo[b]fluoranthene	205-99-2	6.56ppm
	Benzo[ghi]perylene	191-24-2	4.99ppm
	Cadmium	7440-43-9	4.53ppm
	Chromium	7440-47-3	214ppm
	Chrysene	218-01-9	7.74ppm
	Coronene	191-07-1	1.7ppm
	Dibenzo(a,e)pyrene	192-65-4	0.567ppm
	Dibenzo(a,j)anthracene	224-41-9	0.502ppm
	Dibenzo(b,k)fluoranthene	205-97-0	0.823ppm
	Dibenzo[a,c]anthracene	215-58-7	0.418ppm
	Fluoranthene	206-44-0	12.28ppm
	Fluorene	86-73-7	0.15ppm
	Indeno[1,2,3-cd]pyrene	193-39-5	4.18ppm
	Lead	7439-92-1	240ppm
	Manganese	7439-96-5	741ppm
	Mercury	7439-97-6	0.706ppm
	PBDE 209 (2,2',3,3',4,4',5,5',6,6'-Decabromodiphenyl Ether)	1163-19-5	169ppb
	PBDE 99 (2,2',4,4',5-Pentabromodiphenyl Ether)	60348-60-9	5.83ppb
	Perylene	198-55-0	0.737ppm
	Picene	213-46-7	1.074ppm
	Pyrene	129-00-0	9.6ppm
	Retene	483-65-8	4.23ppm
Triphenylene	217-59-4	1.724ppm	
Vanadium	7440-62-2	81.7ppm	

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
NIST-3060	Monoester Phthalates in Acetonitrile	5x1.2mL	9
	Analyte	CAS Number	Analyte Concentration
	Mono(7-carboxyheptyl) phthalate	856869-57-3	3.29mg/kg
	Monobenzyl Phthalate	2528-16-7	15.3mg/kg
	Monoethyl Phthalate	2306-33-4	131mg/kg
	Monoisobutyl Phthalate	30833-53-5	17.7mg/kg
	Phthalic acid, mono-2-ethyl-5-oxohexyl ester	40321-98-0	13.3mg/kg
	Phthalic Acid Mono-2-ethylhexyl Ester	4376-20-9	3.03mg/kg
	Phthalic Acid Monobutyl Ester	131-70-4	32.7mg/kg
	Phthalic Acid Monomethyl Ester	4376-18-5	3.3mg/kg
	rac Mono(5-carboxy-2-ethylpentyl) Phthalate	40809-41-4	21.7mg/kg



Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
BCR-614	SOLUTIONS OF PCDD and PCDFs IN N-NONANE (Set of 11 ampoules S0-S8)	Set	210 congeners

Product Code	Product Description	Pack size	Number of Analytes
BCR-614S1	Solution of labelled and unlabelled Polychlorodibenzo-p-dioxins and Polychlorodibenzofurans	Amp.	19 unlabelled / 19 labelled
	Analyte	CAS Number	Analyte Concentration
	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	35822-46-9	2.8µg/kg
	1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	2.787µg/kg
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	39227-28-6	1.37µg/kg
	1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9	1.398µg/kg
	1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	2.78µg/kg
	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	57653-85-7	1.391µg/kg
	1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9	1.393µg/kg
	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	40321-76-4	1.394µg/kg
	1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	1.412µg/kg
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	19408-74-3	1.408µg/kg
	1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9	1.397µg/kg
	2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5	1.387µg/kg
	2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	1.395µg/kg
	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	0.273µg/kg
	2,3,7,8-Tetrachlorodibenzofuran	51207-31-9	0.279µg/kg
	Octachlorodibenzo-p-dioxin	3268-87-9	2.787µg/kg
	Octachlorodibenzofuran	39001-02-0	2.79µg/kg



Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
BCR-614S2	Solution of labelled and unlabelled Polychlorodibenzo-p-dioxins and Polychlorodibenzofurans	Amp.	17 unlabelled / 20 labelled
	Analyte	CAS Number	Analyte Concentration
	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	35822-46-9	11.18µg/kg
	1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	11.15µg/kg
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	39227-28-6	5.49µg/kg
	1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9	5.59µg/kg
	1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	11.14µg/kg
	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	57653-85-7	5.56µg/kg
	1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9	5.57µg/kg
	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	40321-76-4	5.57µg/kg
	1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	5.65µg/kg
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	19408-74-3	5.63µg/kg
	1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9	5.59µg/kg
	2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5	5.55µg/kg
	2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	5.58µg/kg
	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	1.09µg/kg
	2,3,7,8-Tetrachlorodibenzofuran	51207-31-9	1.116µg/kg
	Octachlorodibenzo-p-dioxin	3268-87-9	11.16µg/kg
	Octachlorodibenzofuran	39001-02-0	11.16µg/kg

Product Code	Product Description	Pack size	Number of Analytes
BCR-614S3	Solution of labelled and unlabelled Polychlorodibenzo-p-dioxins and Polychlorodibenzofurans	Amp.	19 unlabelled / 20 labelled
	Analyte	CAS Number	Analyte Concentration
	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	35822-46-9	55.9µg/kg
	1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	55.74µg/kg
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	39227-28-6	27.5µg/kg
	1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9	27.96µg/kg
	1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	55.7µg/kg
	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	57653-85-7	27.81µg/kg
	1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9	27.87µg/kg
	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	40321-76-4	27.9µg/kg
	1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	28.2µg/kg
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	19408-74-3	28.17µg/kg
	1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9	27.9µg/kg
	2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5	27.73µg/kg
	2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	27.9µg/kg
	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	5.47µg/kg
	2,3,7,8-Tetrachlorodibenzofuran	51207-31-9	5.58µg/kg
	Octachlorodibenzo-p-dioxin	3268-87-9	55.74µg/kg
	Octachlorodibenzofuran	39001-02-0	55.8µg/kg

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
BCR-614S4	Solution of labelled and unlabelled Polychlorodibenzo-p-dioxins and Polychlorodibenzofurans	Amp.	17 unlabelled / 18 labelled
	Analyte	CAS Number	Analyte Concentration
	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	35822-46-9	280µg/kg
	1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	278.7µg/kg
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	39227-28-6	137µg/kg
	1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9	139.8µg/kg
	1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	278µg/kg
	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	57653-85-7	139.1µg/kg
	1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9	139.3µg/kg
	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	40321-76-4	139.3µg/kg
	1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	141.2µg/kg
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	19408-74-3	140.8µg/kg
	1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9	139.6µg/kg
	2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5	138.7µg/kg
	2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	139.5µg/kg
	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	27.3µg/kg
	2,3,7,8-Tetrachlorodibenzofuran	51207-31-9	27.89µg/kg
	Octachlorodibenzo-p-dioxin	3268-87-9	278.7µg/kg
	Octachlorodibenzofuran	39001-02-0	279µg/kg

Product Code	Product Description	Pack size	Number of Analytes
BCR-614S5	Solution of labelled and unlabelled Polychlorodibenzo-p-dioxins and Polychlorodibenzofurans	Amp.	17 unlabelled and 18 labelled
	Analyte	CAS Number	Analyte Concentration
	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	35822-46-9	1118µg/kg
	1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	1115µg/kg
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	39227-28-6	549µg/kg
	1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9	559µg/kg
	1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	1114µg/kg
	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	57653-85-7	556µg/kg
	1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9	557µg/kg
	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	40321-76-4	557µg/kg
	1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	565µg/kg
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	19408-74-3	563µg/kg
	1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9	559µg/kg
	2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5	555µg/kg
	2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	558µg/kg
	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	109µg/kg
	2,3,7,8-Tetrachlorodibenzofuran	51207-31-9	111.6µg/kg
	Octachlorodibenzo-p-dioxin	3268-87-9	1115µg/kg
	Octachlorodibenzofuran	39001-02-0	1116µg/kg

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
BCR-614S6	Solution of labelled Polychlorodibenzofurans	Amp.	3
	Analyte	CAS Number	Analyte Concentration
	1,2,3,4,7,8,9-Heptachlorodibenzofuran 13C12	109719-94-0	278.7µg/kg
	1,2,3,7,8-Pentachlorodibenzofuran 13C12	109719-77-9	139.3µg/kg
	1,2,3,7,8,9-Hexachlorodibenzofuran 13C12	116843-04-0	139.4µg/kg

Product Code	Product Description	Pack size	Number of Analytes
BCR-614S7	Solution of labelled Polychlorodibenzo-p-dioxins and Polychlorodibenzofurans	Amp.	13
	Analyte	CAS Number	Analyte Concentration
	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin 13C12	109719-83-7	279µg/kg
	1,2,3,4,6,7,8-Heptachlorodibenzofuran 13C12	109719-84-8	278.7µg/kg
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin 13C12	109719-80-4	139.8µg/kg
	1,2,3,4,7,8-Hexachlorodibenzofuran 13C12	114423-98-2	138.9µg/kg
	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin 13C12	109719-81-5	139.3µg/kg
	1,2,3,6,7,8-Hexachlorodibenzofuran 13C12	116843-03-9	139.4µg/kg
	1,2,3,7,8-Pentachlorodibenzo-p-dioxin 13C12	109719-79-1	139µg/kg
	2,3,4,6,7,8-Hexachlorodibenzofuran 13C12	116843-05-1	139.4µg/kg
	2,3,4,7,8-Pentachlorodibenzofuran 13C12	116843-02-8	139.2µg/kg
	2,3,7,8-Tetrachlorodibenzo-p-dioxin 13C12	76523-40-5	139.5µg/kg
	2,3,7,8-Tetrachlorodibenzofuran 13C12	89059-46-1	139.5µg/kg
	Octachlorodibenzo-p-dioxin 13C12	114423-97-1	278.7µg/kg
	Octachlorodibenzofuran 13C12	109719-78-0	278.7µg/kg

Product Code	Product Description	Pack size	Number of Analytes
BCR-614S8	Solution of Polychlorodibenzo-p-dioxins	Amp.	13
	Analyte	CAS Number	Analyte Concentration
	1,2,3,4-Tetrachlorodibenzo-p-dioxin 13C12	114423-99-3	557.4µg/kg
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin 13C12	109719-82-6	558µg/kg

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
BCR-614SO	Solution of labelled and unlabelled Polychlorodibenzo-p-dioxins and Polychlorodibenzofurans	Amp.	17 unlabelled / 18 labelled
	Analyte	CAS Number	Analyte Concentration
	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	35822-46-9	1.4µg/kg
	1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	1.396µg/kg
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	39227-28-6	0.688µg/kg
	1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9	0.7µg/kg
	1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	1.394µg/kg
	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	57653-85-7	0.696µg/kg
	1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9	0.698µg/kg
	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	40321-76-4	0.698µg/kg
	1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	0.707µg/kg
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	19408-74-3	0.705µg/kg
	1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9	0.699µg/kg
	2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5	0.694µg/kg
	2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	0.698µg/kg
	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	0.137µg/kg
	2,3,7,8-Tetrachlorodibenzofuran	51207-31-9	0.1397µg/kg
	Octachlorodibenzo-p-dioxin	3268-87-9	1.396µg/kg
	Octachlorodibenzofuran	39001-02-0	1.397µg/kg

Product Code	Product Description	Pack size	Number of Analytes
BCR-615	Fly ash - Dioxins and furans	50g	17
	Analyte	CAS Number	Analyte Concentration
	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	35822-46-9	0.87µg/kg
	1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	0.75ng/kg
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	39227-28-6	74ng/kg
	1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9	203ng/kg
	1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	61ng/kg
	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	57653-85-7	103ng/kg
	1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9	204ng/kg
	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	40321-76-4	92ng/kg
	1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	176ng/kg
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	19408-74-3	108ng/kg
	1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9	13.3ng/kg
	2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5	130ng/kg
	2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	125ng/kg
	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	27ng/kg
	2,3,7,8-Tetrachlorodibenzofuran	51207-31-9	86ng/kg
	Octachlorodibenzo-p-dioxin	3268-87-9	1.75µg/kg
	Octachlorodibenzofuran	39001-02-0	0.29µg/kg

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
BCR-677	Sewage sludge - PCDD/PCDFs	40g	16
	Analyte	CAS Number	Analyte Concentration
	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	35822-46-9	3.5µg/kg
	1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	61.6ng/kg
	1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9	14.5ng/kg
	1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	6.3ng/kg
	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	57653-85-7	235ng/kg
	1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9	6.1ng/kg
	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	40321-76-4	4.1ng/kg
	1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	24.8ng/kg
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	19408-74-3	79ng/kg
	1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9	0.84ng/kg
	2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5	5.6ng/kg
	2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	16.9ng/kg
	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	1.51ng/kg
	2,3,7,8-Tetrachlorodibenzofuran	51207-31-9	45ng/kg
	Octachlorodibenzo-p-dioxin	3268-87-9	12.7µg/kg
	Octachlorodibenzofuran	39001-02-0	177ng/kg

Product Code	Product Description	Pack size	Number of Analytes
BCR-683	Beech wood - PCP and PAHs	60g	6
	Analyte	CAS Number	Analyte Concentration
	Benz[a]anthracene	56-55-3	6.5mg/kg
	Benzo(e)pyrene	192-97-2	9.3mg/kg
	Benzo(k)fluoranthene	207-08-9	2.58mg/kg
	Benzo[a]pyrene	50-32-8	3.4mg/kg
	Benzo[b]fluoranthene	205-99-2	5.8mg/kg
	Pentachlorophenol	87-86-5	3.6mg/kg

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
ERM-AC213	PAHs in acetonitrile/toluene	2ml	13
	Analyte	CAS Number	Analyte Concentration
	5-Methylchrysene	3697-24-3	3.08µg/g
	7H-Benzo(c)fluorene	205-12-9	(2.13)µg/g
	Benz[a]anthracene	56-55-3	3.09µg/g
	Benzo(j)fluoranthene	205-82-3	3.05µg/g
	Benzo(k)fluoranthene	207-08-9	3.06µg/g
	Benzo[b]fluoranthene	205-99-2	3.05µg/g
	Benzo[ghi]perylene	191-24-2	3.07µg/g
	Chrysene	218-01-9	3.06µg/g
	Cyclopenta(c,d)pyrene	27208-37-3	(2.96)µg/g
	Dibenzo(a,e)pyrene	192-65-4	2.97µg/g
	Dibenzo(a,h)anthracene	53-70-3	2.76µg/g
	Dibenzo(A,I)Pyrene	189-55-9	(2.37)µg/g
	Dibenzo(A,L)Pyrene	191-30-0	2.85µg/g

Product Code	Product Description	Pack size	Number of Analytes
ERM-CA100	SURFACE WATER (PAHs)	1l	7
	Analyte	CAS Number	Analyte Concentration
	Anthracene	120-12-7	91ng/L
	Benzo(k)fluoranthene	207-08-9	38ng/L
	Benzo[a]pyrene	50-32-8	42ng/L
	Benzo[b]fluoranthene	205-99-2	32ng/L
	Fluoranthene	206-44-0	104ng/L
	Indeno[1,2,3-cd]pyrene	193-39-5	29ng/L
	Naphthalene	91-20-3	1.21µg/L

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
ERM-EC590	Polyethylene - Polybrominated biphenylether and biphenyls	20g	24
	Analyte	CAS Number	Analyte Concentration
	Antimony	7440-36-0	(0.0756)%
	BDE-197+204	117964-21-3 / 446255-54-5	0.0076%
	Bromine	7726-95-6	0.213%
	Decabromobiphenyl	13654-09-6	0.063%
	PBDE 100 (2,2',4,4',6-Pentabromodiphenyl Ether)	189084-64-8	0.0063%
	PBDE 119 (2,3',4,4',6-Pentabromodiphenyl Ether)	189084-66-0	(0.00004)%
	PBDE 138 (2,2',3,4,4',5'-Hexabromodiphenyl Ether)	182677-30-1	(0.00056)%
	PBDE 139	446254-96-2	(0.00049)%
	PBDE 153 (2,2',4,4',5,5'-Hexabromodiphenyl Ether)	68631-49-2	0.0047%
	PBDE 154 (2,2',4,4',5,6'-Hexabromodiphenyl Ether)	207122-15-4	0.00257%
	PBDE 155 (2,2',4,4',6,6'-Hexabromodiphenyl Ether)	35854-94-5	(0.00012)%
	PBDE 17 (2,2',4-Tribromodiphenyl Ether)	147217-75-2	(0.00009)%
	PBDE 181 (2,2',3,4,4',5,6-Heptabromodiphenyl Ether)	189084-67-1	(0.0002)%
	PBDE 183 (2,2',3,4,4',5',6-Heptabromodiphenyl Ether)	207122-16-5	0.0132%
	PBDE 207 (2,2',3,3',4,4',5,6,6'-Nonabromodiphenyl Ether)	437701-79-6	(0.00903)%
	PBDE 208	437701-78-5	(0.0015)%
	PBDE 209 (2,2',3,3',4,4',5,5',6,6'-Decabromodiphenyl Ether)	1163-19-5	0.065%
	PBDE 28 (2,4,4'-Tribromodiphenyl Ether)	41318-75-6	(0.00024)%
	PBDE 47 (2,2',4,4'-Tetrabromodiphenyl Ether)	5436-43-1	0.023%
	PBDE 49 (2,2',4,5'-Tetrabromodiphenyl Ether)	243982-82-3	(0.00055)%
	PBDE 66 (2,3',4,4'-Tetrabromodiphenyl Ether)	189084-61-5	(0.00046)%
	PBDE 75	189084-63-7	(0.00003)%
PBDE 85 (2,2',3,4,4'-Pentabromodiphenyl Ether)	182346-21-0	(0.00177)%	
PBDE 99 (2,2',4,4',5-Pentabromodiphenyl Ether)	60348-60-9	0.0302%	

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
ERM-EC591	Polypropylene - Polybrominated biphenylether and biphenyls	20g	23
	Analyte	CAS Number	Analyte Concentration
	Antimony	7440-36-0	(0.0713)%
	BDE-197+204	117964-21-3 / 446255-54-5	0.0052%
	Bromine	7726-95-6	0.208%
	Decabromobiphenyl	13654-09-6	0.0074%
	PBDE 100 (2,2',4,4',6-Pentabromodiphenyl Ether)	189084-64-8	0.0066%
	PBDE 138 (2,2',3,4,4',5'-Hexabromodiphenyl Ether)	182677-30-1	(0.00055)%
	PBDE 139	446254-96-2	(0.00051)%
	PBDE 153 (2,2',4,4',5,5'-Hexabromodiphenyl Ether)	68631-49-2	0.0044%
	PBDE 154 (2,2',4,4',5,6'-Hexabromodiphenyl Ether)	207122-15-4	0.0026%
	PBDE 155 (2,2',4,4',6,6'-Hexabromodiphenyl Ether)	35854-94-5	(0.00014)%
	PBDE 17 (2,2',4-Tribromodiphenyl Ether)	147217-75-2	(0.00009)%
	PBDE 181 (2,2',3,4,4',5,6-Heptabromodiphenyl Ether)	189084-67-1	(0.00008)%
	PBDE 183 (2,2',3,4,4',5,6-Heptabromodiphenyl Ether)	207122-16-5	0.0087%
	PBDE 207 (2,2',3,3',4,4',5,6,6'-Nonabromodiphenyl Ether)	437701-79-6	(0.00438)%
	PBDE 208	437701-78-5	(0.00066)%
	PBDE 209 (2,2',3,3',4,4',5,5',6,6'-Decabromodiphenyl Ether)	1163-19-5	0.0078%
	PBDE 28 (2,4,4'-Tribromodiphenyl Ether)	41318-75-6	0.00025%
	PBDE 47 (2,2',4,4'-Tetrabromodiphenyl Ether)	5436-43-1	0.0245%
	PBDE 49 (2,2',4,5'-Tetrabromodiphenyl Ether)	243982-82-3	(0.00055)%
	PBDE 66 (2,3',4,4'-Tetrabromodiphenyl Ether)	189084-61-5	(0.00046)%
	PBDE 75	189084-63-7	(0.00004)%
PBDE 85 (2,2',3,4,4'-Pentabromodiphenyl Ether)	182346-21-0	(0.00191)%	
PBDE 99 (2,2',4,4',5-Pentabromodiphenyl Ether)	60348-60-9	0.032%	

Product Code	Product Description	Pack size	Number of Analytes
IRMM-428	Water - PFASs	410ml	7
	Analyte	CAS Number	Analyte Concentration
	Linear perfluorooctane sulfonate (L-PFOS)	1763-23-1	9.6ng/L
	Perfluorobutane sulfonate (PFBS)	375-73-5	5.5ng/L
	Perfluoroheptanoic acid (PFHpA)	375-85-9	3.7ng/L
	Perfluorohexane sulfonate (PFHxS)	355-46-4	3.6ng/L
	Perfluorohexanoic acid (PFHxA)	307-24-4	7.4ng/L
	Perfluorononanoic acid (PFNA) 1)	375-95-1	3.9ng/L
Perfluoropentanoic acid (PFPeA)	1706-90-3	4ng/L	

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
NIST-1491A	Methyl-Substituted Polycyclic Aromatic Hydrocarbons in Toluene	5x1.2ml	18
	Analyte	CAS Number	Analyte Concentration
	1-Methylfluoranthene	25889-60-5	1.116ppm
	1-Methylnaphthalene	90-12-0	1.758ppm
	1-Methylphenanthrene	832-69-9	2.243ppm
	1-Methylpyrene	2381-21-7	1.089ppm
	1,2-Dimethylnaphthalene	573-98-8	1.99ppm
	1,6-Dimethylnaphthalene	575-43-9	1.607ppm
	1,7-Dimethylphenanthrene	483-87-4	1.962ppm
	2-Methylantracene	613-12-7	1.355ppm
	2-Methylnaphthalene	91-57-6	2.03ppm
	2-Methylphenanthrene	2531-84-2	2.396ppm
	2,6-Dimethylnaphthalene	581-42-0	1.564ppm
	3-Methylchrysene	3351-31-3	1.132ppm
	3-Methylfluoranthene	1706-01-0	1.19ppm
	3-Methylphenanthrene	832-71-3	2.134ppm
	4-Methylpyrene	3353-12-6	1.026ppm
	6-Methylchrysene	1705-85-7	1.2ppm
	9-Methylphenanthrene	883-20-5	2.288ppm
	Retene	483-65-8	2.079ppm

Product Code	Product Description	Pack size	Number of Analytes
NIST-1493	PCB Congeners in 2,2,4-Trimethylpentane (iso-Octane)	5x1.2ml	18
	Analyte	CAS Number	Analyte Concentration
	2,2',3,4,4',5'-Hexachlorobiphenyl	35065-28-2	287.1ppb
	PCB 77 (3,3',4,4'-Tetrachlorobiphenyl)	32598-13-3	284.3ppb
	PCB No. 101	37680-73-2	287.8ppb
	PCB No. 105	32598-14-4	286ppb
	PCB No. 126	57465-28-8	287.4ppb
	PCB No. 128	38380-07-3	290ppb
	PCB No. 153	35065-27-1	287.5ppb
	PCB No. 170	35065-30-6	285.3ppb
	PCB No. 18	37680-65-2	290.8ppb
	PCB No. 180	35065-29-3	289.2ppb
	PCB No. 187	52663-68-0	285.3ppb
	PCB No. 195	52663-78-2	289ppb
	PCB No. 206	40186-72-9	259ppb
	PCB No. 209	2051-24-3	289.6ppb
	PCB No. 28	7012-37-5	288ppb
	PCB No. 44	41464-39-5	289ppb
	PCB No. 52	35693-99-3	285.9ppb
	PCB No. 66	32598-10-0	291.9ppb

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
NIST-1647F	Priority pollutant PAHs in acetonitrile	5x1.3ml	16
	Analyte	CAS Number	Analyte Concentration
	Acenaphthene	83-32-9	26.44ppm
	Acenaphthylene	208-96-8	19.09ppm
	Anthracene	120-12-7	1.13ppm
	Benz[a]anthracene	56-55-3	5.16ppm
	Benzo(k)fluoranthene	207-08-9	5.94ppm
	Benzo[a]pyrene	50-32-8	6.22ppm
	Benzo[b]fluoranthene	205-99-2	5.29ppm
	Benzo[ghi]perylene	191-24-2	4.64ppm
	Chrysene	218-01-9	4.67ppm
	Dibenzo(a,h)anthracene	53-70-3	4.55ppm
	Fluoranthene	206-44-0	9.71ppm
	Fluorene	86-73-7	5.93ppm
	Indeno[1,2,3-cd]pyrene	193-39-5	5.4ppm
	Naphthalene	91-20-3	25.31ppm
	Phenanthrene	85-01-8	4.57ppm
	Pyrene	129-00-0	10.83ppm



Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
NIST-1649B	Urban dust - Organic contaminants	2g	48
	Analyte	CAS Number	Analyte Concentration
	1-Methylfluoranthene	25889-60-5	0.114ppm
	1-Methylpyrene	2381-21-7	0.363ppm
	1-Nitropyrene	5522-43-0	74.8ppb
	2-Nitrofluoranthene	13177-29-2	304ppb
	2-Nitropyrene	789-07-1	10.9ppb
	3-Methylfluoranthene	1706-01-0	0.328ppm
	3-Nitrofluoranthene	892-21-7	4.67ppb
	3-Nitrophenanthrene	17024-19-0	21.8ppb
	4,4'-DDD	72-54-8	37.7ppb
	4,4'-DDE	72-55-9	50.7ppb
	4,5-Methylenephenanthrene	203-64-5	0.255ppm
	6-Nitrochrysene	7496-02-8	3.6ppb
	7-Nitrobenzo[a]anthracene	20268-51-3	24.4ppb
	9-Nitrophenanthrene	954-46-1	1.77ppb
	Benzo(b)chrysene	214-17-5	0.339ppm
	Benzo(c)phenanthrene	195-19-7	0.46ppm
	Benzo(e)pyrene	192-97-2	2.974ppm
	Benzo(j)fluoranthene	205-82-3	1.725ppm
	Benzo(k)fluoranthene	207-08-9	1.702ppm
	Benzo[b]fluoranthene	205-99-2	6.18ppm
	Cadmium	7440-43-9	26.1ppm
	Chrysene	218-01-9	3.045ppm
	Dibenzo(a,e)pyrene	192-65-4	0.567ppm
	Dibenzo(a,j)anthracene	224-41-9	0.305ppm
	Dibenzo(b,k)fluoranthene	205-97-0	0.67ppm
	Indeno[1,2,3-cd]pyrene	193-39-5	2.89ppm
	Lead	7439-92-1	12864ppm
	Mercury	7439-97-6	1.8ppm
	PCB No. 101	37680-73-2	56.4ppb
	PCB No. 105	32598-14-4	10ppb
	PCB No. 110	38380-03-9	33.7ppb
	PCB No. 149	38380-04-0	79.4ppb
	PCB No. 151	52663-63-5	33.4ppb
	PCB No. 153	35065-27-1	76.6ppb
	PCB No. 163	74472-44-9	22.2ppb
	PCB No. 183	52663-69-1	17.2ppb
	PCB No. 187	52663-68-0	39.3ppb
	PCB No. 194	35694-08-7	28.5ppb
	PCB No. 206	40186-72-9	17ppb
	PCB No. 49	41464-40-8	9.1ppb

Continued on next page

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Continued from previous page

Analyte	CAS Number	Analyte Concentration
PCB No. 52	35693-99-3	24.3ppb
Perylene	198-55-0	0.614ppm
Picene	213-46-7	0.399ppm
Pyrene	129-00-0	4.98ppm
Retene	483-65-8	0.238ppm
Trans-Chlordane (Gamma Isomer)	5103-74-2	51.9ppb
trans-Nonachlor	39765-80-5	33.7ppb
Triphenylene	217-59-4	1.324ppm

Product Code	Product Description	Pack size	Number of Analytes
NIST-1936	Great Lakes Sediment	50g	11
	Analyte	CAS Number	Analyte Concentration
	3-Methylphenanthrene	832-71-3	154ng/g
	Benzo(c)phenanthrene	195-19-7	205ng/g
	Benzo(j)fluoranthene	205-82-3	745ng/g
	Benzo[b]fluoranthene	205-99-2	2100ng/g
	Benzo[ghi]perylene	191-24-2	1690ng/g
	Dibenzothiophene	132-65-0	55.5ng/g
	Fluoranthene	206-44-0	3210ng/g
	Perfluorooctanesulfonic acid	1763-23-1	0.778ng/g
	Perylene	198-55-0	612ng/g
	Phenanthrene	85-01-8	1160ng/g
	Pyrene	129-00-0	3590ng/g



Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
NIST-1941B	Organics in marine sediment	50g	60
	Analyte	CAS Number	Analyte Concentration
	1-Methylphenanthrene	832-69-9	73.2ppb
	2-Methylphenanthrene	2531-84-2	128ppb
	2,2',3,4,4',5'-Hexachlorobiphenyl	35065-28-2	3.6ppb
	3-Methylphenanthrene	832-71-3	105ppb
	4,4'-DDD	72-54-8	4.66ppb
	4,4'-DDE	72-55-9	3.22ppb
	Anthracene	120-12-7	184ppb
	Benz[a]anthracene	56-55-3	335ppb
	Benzo(b)chrysene	214-17-5	53ppb
	Benzo(e)pyrene	192-97-2	325ppb
	Benzo(k)fluoranthene	207-08-9	225ppb
	Benzo[a]pyrene	50-32-8	358ppb
	Benzo[b]fluoranthene	205-99-2	453ppb
	Benzo[ghi]perylene	191-24-2	307ppb
	Chrysene	218-01-9	291ppb
	Cis-Chlordane (Alpha Isomer)	5103-71-9	0.85ppb
	cis-Nonachlor	5103-73-1	0.378ppb
	Dibenzo(a,h)anthracene	53-70-3	53ppb
	Dibenzo(a,j)anthracene	224-41-9	48.9ppb
	Dibenzo[a,c]anthracene	215-58-7	36.7ppb
	Fluoranthene	206-44-0	651ppb
	Fluorene	86-73-7	85ppb
	Hexachlorobenzene	118-74-1	5.83ppb
	Indeno[1,2,3-cd]pyrene	193-39-5	341ppb
	Naphthalene	91-20-3	848ppb
	PCB 99 (2,2',4,4',5-Pentachlorobiphenyl)	38380-01-7	2.9ppb
	PCB No. 101	37680-73-2	5.11ppb
	PCB No. 105	32598-14-4	1.43ppb
	PCB No. 110	38380-03-9	4.62ppb
	PCB No. 118	31508-00-6	4.23ppb
	PCB No. 128	38380-07-3	0.696ppb
	PCB No. 149	38380-04-0	4.35ppb
	PCB No. 153	35065-27-1	5.47ppb
	PCB No. 156	38380-08-4	0.507ppb
	PCB No. 170	35065-30-6	1.35ppb
	PCB No. 18	37680-65-2	2.39ppb
	PCB No. 180	35065-29-3	3.24ppb
	PCB No. 183	52663-69-1	0.979ppb
	PCB No. 187	52663-68-0	2.17ppb
	PCB No. 194	35694-08-7	1.04ppb
	PCB No. 195	52663-78-2	0.645ppb

Continued on next page

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Continued from previous page

Analyte	CAS Number	Analyte Concentration
PCB No. 201	40186-71-8	0.777ppb
PCB No. 206	40186-72-9	2.42ppb
PCB No. 209	2051-24-3	4.86ppb
PCB No. 28	7012-37-5	4.52ppb
PCB No. 31	16606-02-3	3.18ppb
PCB No. 44	41464-39-5	3.85ppb
PCB No. 49	41464-40-8	4.34ppb
PCB No. 52	35693-99-3	5.24ppb
PCB No. 66	32598-10-0	4.96ppb
PCB No. 8	34883-43-7	1.65ppb
PCB No. 87	38380-02-8	1.14ppb
PCB No. 95	38379-99-6	3.93ppb
Perylene	198-55-0	397ppb
Phenanthrene	85-01-8	406ppb
Picene	213-46-7	46.6ppb
Pyrene	129-00-0	581ppb
Trans-Chlordane (Gamma Isomer)	5103-74-2	0.566ppb
trans-Nonachlor	39765-80-5	0.438ppb
Triphenylene	217-59-4	108ppb



Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
NIST-2257	PBDE Congeners in 2,2,4-Trimethylpentane	5x1.2ml	35
	Analyte	CAS Number	Analyte Concentration
	PBDE 100 (2,2',4,4',6-Pentabromodiphenyl Ether)	189084-64-8	3.05ppm
	PBDE 101 (2,2',4,5,5'-Pentabromodiphenyl Ether)		3.784ppm
	PBDE 116 (2,3,4,5,6-Pentabromodiphenyl Ether)	189084-65-9	3.042ppm
	PBDE 118 (2,3',4,4',5-Pentabromodiphenyl Ether)	446254-80-4	5.29ppm
	PBDE 119 (2,3',4,4',6-Pentabromodiphenyl Ether)	189084-66-0	4.11ppm
	PBDE 138 (2,2',3,4,4',5'-Hexabromodiphenyl Ether)	182677-30-1	2.522ppm
	PBDE 139	446254-96-2	3.514ppm
	PBDE 153 (2,2',4,4',5,5'-Hexabromodiphenyl Ether)	68631-49-2	2.048ppm
	PBDE 154 (2,2',4,4',5,6'-Hexabromodiphenyl Ether)	207122-15-4	1.622ppm
	PBDE 155 (2,2',4,4',6,6'-Hexabromodiphenyl Ether)	35854-94-5	0.895ppm
	PBDE 156 (2,3,3',4,4',5-Hexabromodiphenyl Ether)	405237-85-6	2.77ppm
	PBDE 17 (2,2',4-Tribromodiphenyl Ether)	147217-75-2	5.87ppm
	PBDE 181 (2,2',3,4,4',5,6-Heptabromodiphenyl Ether)	189084-67-1	2.859ppm
	PBDE 182 (2,2',3,4,4',5,6'-Heptabromodiphenyl Ether)		1.502ppm
	PBDE 183 (2,2',3,4,4',5,6-Heptabromodiphenyl Ether)	207122-16-5	2.183ppm
	PBDE 185 (2,2',3,4,5,5,6-Heptabromodiphenyl Ether)		2.37ppm
	PBDE 190 (2,3,3',4,4',5,6-Heptabromodiphenyl Ether)	189084-68-2	3.01ppm
	PBDE 191 (2,3,3',4,4',5,6'-Heptabromodiphenyl Ether)	446255-30-7	2.085ppm
	PBDE 196 (2,2',3,3',4,4',5,6'-Octabromodiphenyl Ether)	446255-39-6	2.46ppm
	PBDE 198 (2,2',3,3',4,5,5,6'-Octabromodiphenyl Ether)		1.898ppm
	PBDE 203 (2,2',3,4,4',5,5,6'-Octabromodiphenyl Ether)	337513-72-1	1.373ppm
	PBDE 204 (2,2',3,4,4',5,6,6'-Octabromodiphenyl Ether)	446255-54-5	2.823ppm
	PBDE 206 (2,2',3,3',4,4',5,5',6-Nonabromodiphenyl Ether)	63387-28-0	1.982ppm
	PBDE 208	437701-78-5	1.108ppm
	PBDE 25 (2,3',4-Tribromodiphenyl Ether)	147217-77-4	3.19ppm
	PBDE 28 (2,4,4'-Tribromodiphenyl Ether)	41318-75-6	1.88ppm
	PBDE 30 (2,4,6-Tribromodiphenyl Ether)	155999-95-4	3.08ppm
	PBDE 47 (2,2',4,4'-Tetrabromodiphenyl Ether)	5436-43-1	2.09ppm
	PBDE 49 (2,2',4,5'-Tetrabromodiphenyl Ether)	243982-82-3	3.95ppm
	PBDE 66 (2,3',4,4'-Tetrabromodiphenyl Ether)	189084-61-5	2.162ppm
	PBDE 71 (2,3',4',6-Tetrabromodiphenyl Ether)	189084-62-6	2.86ppm
	PBDE 74 (2,4,4',5-Tetrabromodiphenyl Ether)		3.56ppm
	PBDE 75	189084-63-7	3.45ppm
	PBDE 85 (2,2',3,4,4'-Pentabromodiphenyl Ether)	182346-21-0	3.359ppm
	PBDE 99 (2,2',4,4',5-Pentabromodiphenyl Ether)	60348-60-9	2.127ppm

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
NIST-2260	PAHs in Toluene	5x1.2ml	35
	Analyte	CAS Number	Analyte Concentration
	4,5-Methylenepheanthrene	203-64-5	2.32ppm
	Acenaphthene	83-32-9	5.55ppm
	Acenaphthylene	208-96-8	6.26ppm
	Anthanthrene	191-26-4	2.205ppm
	Anthracene	120-12-7	3.736ppm
	Benz[a]anthracene	56-55-3	4.415ppm
	Benzo(a)fluoranthene	203-33-8	2.279ppm
	Benzo(b)chrysene	214-17-5	4.092ppm
	Benzo(c)phenanthrene	195-19-7	4.608ppm
	Benzo(e)pyrene	192-97-2	4.561ppm
	Benzo(g,h,i)fluoranthene	203-12-3	3.414ppm
	Benzo(j)fluoranthene	205-82-3	4.145ppm
	Benzo(k)fluoranthene	207-08-9	3.444ppm
	Benzo[a]pyrene	50-32-8	4.71ppm
	Benzo[b]fluoranthene	205-99-2	7.85ppm
	Benzo[ghi]perylene	191-24-2	5.669ppm
	Biphenyl	92-52-4	5.61ppm
	Chrysene	218-01-9	4.62ppm
	Coronene	191-07-1	2.255ppm
	Cyclopenta(c,d)pyrene	27208-37-3	1.958ppm
	Dibenzo(a,e)pyrene	192-65-4	2.277ppm
	Dibenzo(a,h)anthracene	53-70-3	4.555ppm
	Dibenzo(a,j)anthracene	224-41-9	4.539ppm
	Dibenzo(b,k)fluoranthene	205-97-0	1.646ppm
	Dibenzo[a,c]anthracene	215-58-7	2.912ppm
	Dibenzothiophene	132-65-0	4.39ppm
	Fluoranthene	206-44-0	8.324ppm
	Fluorene	86-73-7	4.71ppm
	Indeno[1,2,3-cd]pyrene	193-39-5	4.425ppm
	Naphthalene	91-20-3	11.43ppm
	Perylene	198-55-0	4.43ppm
	Phenanthrene	85-01-8	11.57ppm
	Picene	213-46-7	3.257ppm
	Pyrene	129-00-0	8.949ppm
	Triphenylene	217-59-4	4.12ppm

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
NIST-2585	House dust - Organic contaminants	10g	82
	Analyte	CAS Number	Analyte Concentration
	1-Methylphenanthrene	832-69-9	197ppb
	2-Methylphenanthrene	2531-84-2	352ppb
	2,2',3,4,4',5'-Hexachlorobiphenyl	35065-28-2	27.6ppb
	2,4'-DDT	789-02-6	44.5ppb
	3-Methylphenanthrene	832-71-3	293ppb
	4,4'-DDD	72-54-8	27.3ppb
	4,4'-DDE	72-55-9	261ppb
	4,4'-DDT	50-29-3	111ppb
	4,5-Methylenephenanthrene	203-64-5	117ppb
	9-Methylphenanthrene	883-20-5	205ppb
	Anthracene	120-12-7	96ppb
	Benz[a]anthracene	56-55-3	1160ppb
	Benzo(a)fluoranthene	203-33-8	74.5ppb
	Benzo(b)chrysene	214-17-5	182ppb
	Benzo(c)phenanthrene	195-19-7	288ppb
	Benzo(e)pyrene	192-97-2	2160ppb
	Benzo(g,h,i)fluoranthene	203-12-3	317ppb
	Benzo(j)fluoranthene	205-82-3	1320ppb
	Benzo(k)fluoranthene	207-08-9	1330ppb
	Benzo[a]pyrene	50-32-8	1140ppb
	Benzo[b]fluoranthene	205-99-2	2700ppb
	Benzo[ghi]perylene	191-24-2	2280ppb
	Chrysene	218-01-9	2260ppb
	Coronene	191-07-1	603ppb
	Dibenzo(a,e)pyrene	192-65-4	477ppb
	Dibenzo(a,h)anthracene	53-70-3	301ppb
	Dibenzo(a,j)anthracene	224-41-9	267ppb
	Dibenzo(b,k)fluoranthene	205-97-0	596ppb
	Dibenzo[a,c]anthracene	215-58-7	183ppb
	Dibenzothiophene	132-65-0	109ppb
	Fluoranthene	206-44-0	4380ppb
Indeno[1,2,3-cd]pyrene	193-39-5	2080ppb	
Naphthalene	91-20-3	266ppb	
PBDE 100 (2,2',4,4',6-Pentabromodiphenyl Ether)	189084-64-8	145ppb	
PBDE 138 (2,2',3,4,4',5'-Hexabromodiphenyl Ether)	182677-30-1	15.2ppb	
PBDE 153 (2,2',4,4',5,5'-Hexabromodiphenyl Ether)	68631-49-2	119ppb	
PBDE 154 (2,2',4,4',5,6'-Hexabromodiphenyl Ether)	207122-15-4	83.5ppb	
PBDE 155 (2,2',4,4',6,6'-Hexabromodiphenyl Ether)	35854-94-5	3.94ppb	
PBDE 17 (2,2',4-Tribromodiphenyl Ether)	147217-75-2	11.5ppb	
PBDE 183 (2,2',3,4,4',5,6-Heptabromodiphenyl Ether)	207122-16-5	43ppb	
PBDE 203 (2,2',3,4,4',5,5',6-Octabromodiphenyl Ether)	337513-72-1	36.7ppb	

Continued on next page

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Continued from previous page

Analyte	CAS Number	Analyte Concentration
PBDE 206 (2,2',3,3',4,4',5,5',6-Nonabromodiphenyl Ether)	63387-28-0	271ppb
PBDE 209 (2,2',3,3',4,4',5,5',6,6'-Decabromodiphenyl Ether)	1163-19-5	2510ppb
PBDE 28 (2,4,4'-Tribromodiphenyl Ether)	41318-75-6	46.9ppb
PBDE 47 (2,2',4,4'-Tetrabromodiphenyl Ether)	5436-43-1	497ppb
PBDE 49 (2,2',4,5'-Tetrabromodiphenyl Ether)	243982-82-3	53.5ppb
PBDE 85 (2,2',3,4,4'-Pentabromodiphenyl Ether)	182346-21-0	43.8ppb
PBDE 99 (2,2',4,4',5-Pentabromodiphenyl Ether)	60348-60-9	892ppb
PCB 99 (2,2',4,4',5-Pentachlorobiphenyl)	38380-01-7	11.6ppb
PCB No. 101	37680-73-2	29.8ppb
PCB No. 105	32598-14-4	13.2ppb
PCB No. 107	70424-68-9	4.14ppb
PCB No. 110	38380-03-9	28.1ppb
PCB No. 118	31508-00-6	26.3ppb
PCB No. 146	51908-16-8	4.89ppb
PCB No. 149	38380-04-0	24.4ppb
PCB No. 151	52663-63-5	6.92ppb
PCB No. 153	35065-27-1	40.2ppb
PCB No. 158	74472-42-7	4.5ppb
PCB No. 163	74472-44-9	7.2ppb
PCB No. 170	35065-30-6	8.8ppb
PCB No. 174	38411-25-5	8.83ppb
PCB No. 18	37680-65-2	12.8ppb
PCB No. 180	35065-29-3	18.4ppb
PCB No. 183	52663-69-1	5.27ppb
PCB No. 187	52663-68-0	11.3ppb
PCB No. 206	40186-72-9	3.81ppb
PCB No. 28	7012-37-5	13.4ppb
PCB No. 31	16606-02-3	14ppb
PCB No. 44	41464-39-5	18.1ppb
PCB No. 52	35693-99-3	21.8ppb
PCB No. 56	41464-43-1	4.42ppb
PCB No. 70	32598-11-1	13.1ppb
PCB No. 74	32690-93-0	5.22ppb
PCB No. 87	38380-02-8	16.6ppb
PCB No. 92	52663-61-3	5.48ppb
PCB No. 95	38379-99-6	22.7ppb
Perylene	198-55-0	387ppb
Phenanthrene	85-01-8	1920ppb
Picene	213-46-7	413ppb
Pyrene	129-00-0	3290ppb
Triphenylene	217-59-4	589ppb

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
NIST-8446	Perfluorinated Carboxylic Acids and Perfluorooctane Sulfonamide in Methanol	4x1.2ml	12
	Analyte	CAS Number	Analyte Concentration
	Perfluorobutanoic acid	375-22-4	43mg/kg
	Perfluorodecanoic acid	335-76-2	58.1mg/kg
	Perfluorododecanoic acid	307-55-1	59.5mg/kg
	Perfluoroheptanoic acid	375-85-9	76mg/kg
	Perfluorohexanoic acid	307-24-4	59.1mg/kg
	Perfluorononanoic acid	375-95-1	63mg/kg
	Perfluorooctane sulfonamide PFOSA	754-91-6	66.9mg/kg
	Perfluorooctanoic acid	335-67-1	54.8mg/kg
	Perfluoropentanoic acid	2706-90-3	60.9mg/kg
	Perfluorotetradecanoic acid	376-06-7	58mg/kg
	Perfluorotridecanoic acid	72629-94-8	62.9mg/kg
	Perfluoroundecanoic acid	2058-94-8	62.8mg/kg

Product Code	Product Description	Pack size	Number of Analytes
NIST-8447	Perfluorinated Sulfonic Acids in Methanol	3x1.2ml	3
	Analyte	CAS Number	Analyte Concentration
	Perfluorobutanesulfonic acid	375-73-5	42.3mg/kg
	Perfluorohexanesulfonic acid	355-46-4	55.2mg/kg
	Perfluorooctanesulfonic acid	1763-23-1	56.6mg/kg



Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
NIST-8690	Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous Film-Forming Foams (AFFF) Formulation I	4x1.2ml	16
	Analyte	CAS Number	Analyte Concentration
	1,1,2,2H-Perfluorooctanesulfonic acid	27619-97-2	(0.222)µg/g
	N-(carboxymethyl)-N,N-dimethyl-3-(((perfluorohexyl)ethyl)sulfonyl)amino)- hydroxide		(2.5)µg/g
	N-[3-(Dimethylamino)propyl]perfluoro-1-hexanesulfonamide	50598-28-2	(9.12)µg/g
	N-[3-(perfluoro-1-hexanesulfonamido)propan-1-yl]-N,N,N-trimethylammonium	38850-51-0	(0.293)µg/g
	Perfluorobutane Sulfonamide	30334-69-1	(0.0356)µg/g
	Perfluorobutanesulfonic acid	375-73-5	(0.473)µg/g
	Perfluorobutanoic acid	375-22-4	(0.104)µg/g
	Perfluoroheptanesulfonic acid	375-92-8	(0.315)µg/g
	Perfluoroheptanoic acid	375-85-9	(0.0918)µg/g
	Perfluorohexane Sulfonamide	41997-13-1	(0.035)µg/g
	Perfluorohexanesulfonic acid	355-46-4	(2.64)µg/g
	Perfluorohexanoic acid	307-24-4	(0.295)µg/g
	Perfluorooctanesulfonic acid	1763-23-1	(19.4)µg/g
	Perfluorooctanoic acid	335-67-1	(0.317)µg/g
	Perfluoropentanesulfonic Acid	2706-91-4	(0.409)µg/g
	Perfluoropropanesulfonic Acid	423-41-6	(0.302)µg/g

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
NIST-869B	Column selectivity test mixture for liquid chromatography	Column selectivity test mixture for liquid chromatography	Benzo[a]pyrene	Benzo[a]pyrene	2.06mg/kg

Product Code	Column performance test mixture for liquid chromatography	Set	Number of Analytes
NIST-870	Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous Film-Forming Foams (AFFF) Formulation I	4x1.2ml	6
	Analyte	CAS Number	Analyte Concentration
	Amitriptyline Hydrochloride	549-18-8	2740mg/kg
	Ethylbenzene	100-41-4	1730mg/kg
	Quinizarin	81-64-1	90.8mg/kg
	Toluene	108-88-3	1430mg/kg
	Uracil	66-22-8	27.1mg/kg
	N-[3-(perfluoro-1-hexanesulfonamido)propan-1-yl]-N,N,N-trimethylammonium	38850-51-0	(0.293)µg/g

Food & Environmental Matrix Reference Materials Catalogue 2024

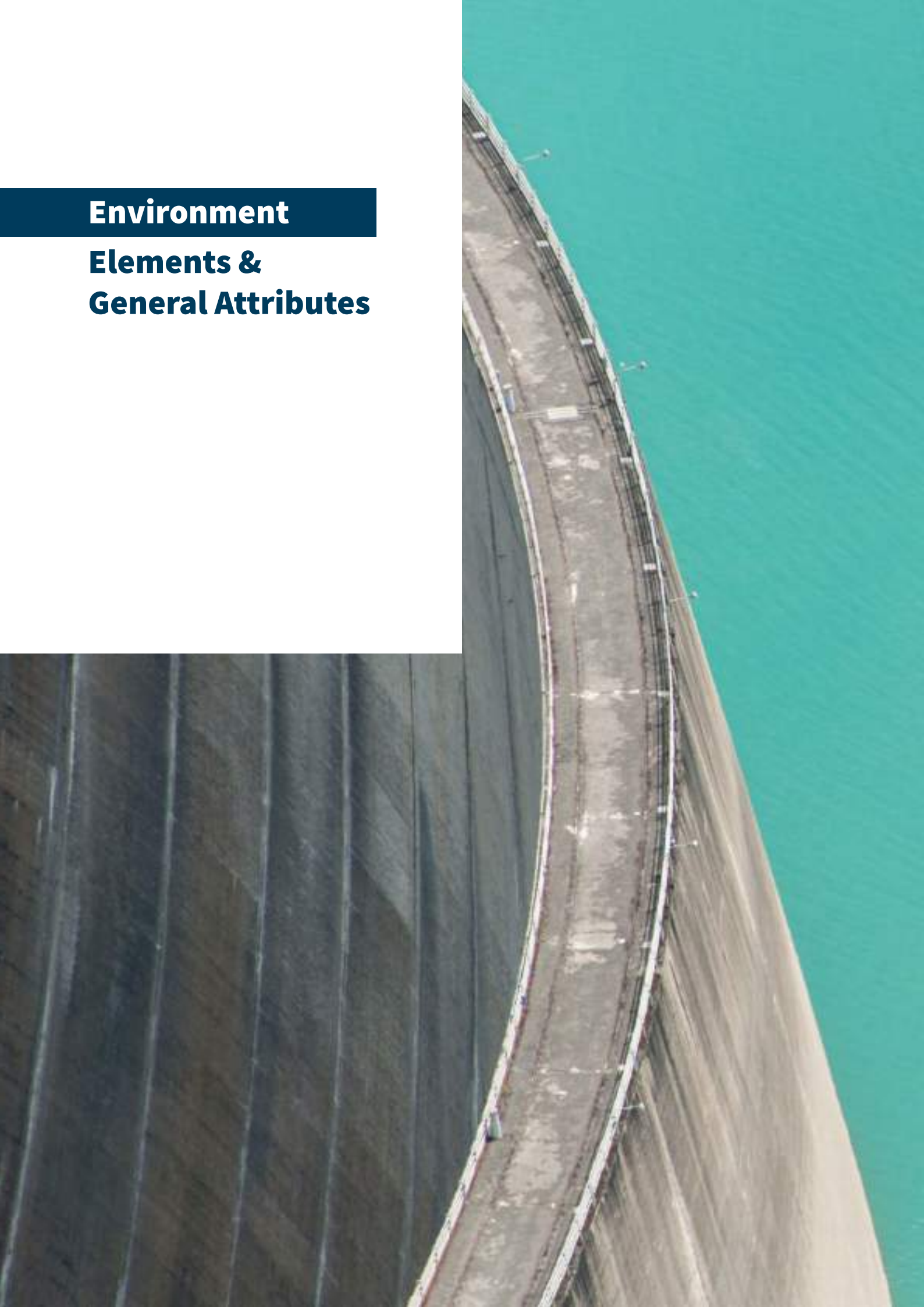
Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
LGC6115	Contaminated Soil - PCBs and PAHs	50g	10
	Analyte	CAS Number	Analyte Concentration
	2,2',3,4,4',5'-Hexachlorobiphenyl	35065-28-2	(16)µg/kg
	Benzo[a]anthracene	56-55-3	36µg/kg
	Benzo[a]pyrene	50-32-8	0.13µg/kg
	Benzo[ghi]perylene	191-24-2	0.33µg/kg
	Fluoranthene	206-44-0	312µg/kg
	PCB No. 101	37680-73-2	93µg/kg
	PCB No. 118	31508-00-6	116µg/kg
	PCB No. 153	35065-27-1	(19)µg/kg
	PCB No. 180	35065-29-3	(9.6)µg/kg
	Phenanthrene	85-01-8	138µg/kg



Environment

Elements & General Attributes



Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
NIST-2143	p-Fluorobenzoic acid - Fluorine	Fluorine	2g	456-22-4	13.54g/100g
NIST-2144	m-Chlorobenzoic acid - Chlorine	Chlorine	2g	7782-50-5	22.62%

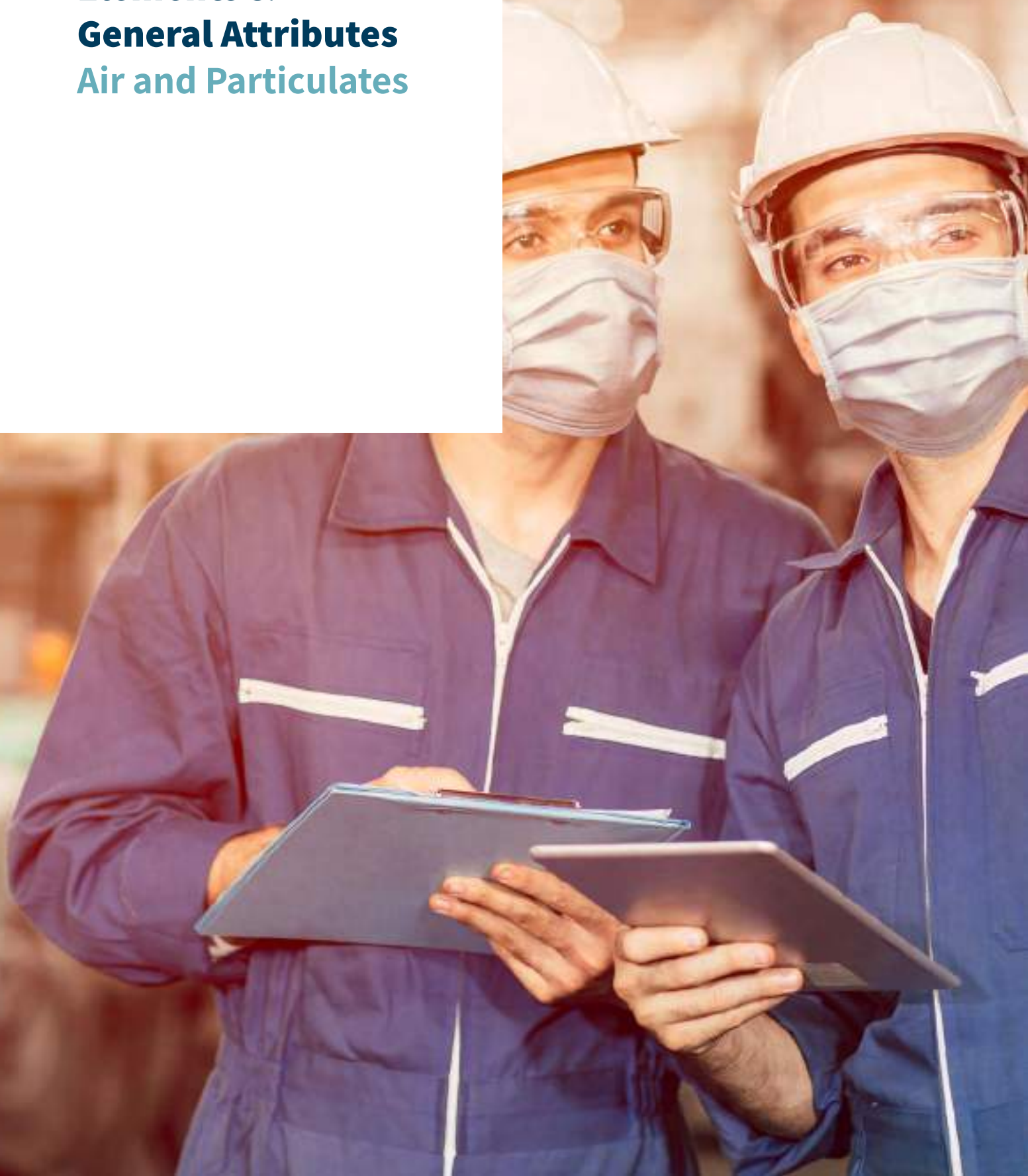
Product Code	Product Description	Pack size	Number of Analytes
NIST-918C	Potassium Chloride General and Ion Activity Standard (Dried at 110 °C)	30g	3
	Analyte	CAS Number	Analyte Concentration
	Chloride	16887-00-6	47.5317%
	Potassium	7440-09-7	52.421%
	Potassium Chloride	7447-40-7	99.945%

Product Code	Product Description	Pack size	Number of Analytes
NIST-999C	Potassium Chloride Primary Standard (Dried at 500 °C)	30g	3
	Analyte	CAS Number	Analyte Concentration
	Chloride	16887-00-6	47.5519%
	Potassium	7440-09-7	52.443%
	Potassium Chloride	7447-40-7	99.987%



Environment

Elements & General Attributes Air and Particulates



Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
BCR-545	WELDING DUST LOADED ON FILTER (Cr VI, Cr)	Each	2
	Analyte	CAS Number	Analyte Concentration
	Chromium-VI	18540-29-9	4.02%
	Total Chromium	7440-47-3	3.95%

Product Code	Product Description	Pack size	Number of Analytes
BCR-665	Asbestos fibres in lung tissue	100mg	2
	Analyte	CAS Number	Analyte Concentration
	Amosite and crocidolite	12172-73-5 and 12001-28-4	49million/g
	Anthophyllite	77536-67-5	1.8million/g

Product Code	Product Description	Pack size	Number of Analytes
BCR-666	Asbestos fibres in lung tissue	100mg	2
	Analyte	CAS Number	Analyte Concentration
	Amosite and crocidolite	12172-73-5 and 12001-28-4	2.3million/g
	Anthophyllite	77536-67-5	5.1million/g

Product Code	Product Description	Pack size	Number of Analytes
BCR-723	Road dust - Palladium, platinum and rhodium	25g	22
	Analyte	CAS Number	Analyte Concentration
	Aluminium	7429-90-5	(3.75)%
	Antimony	7440-36-0	(0.00282)%
	Barium	7440-39-3	(0.046)%
	Cadmium	7440-43-9	(0.00025)%
	Chromium	7440-47-3	(0.044)%
	Cobalt	7440-48-4	(0.00298)%
	Hafnium	7440-58-6	(0.00022)%
	Iron	7439-89-6	(3.29)%
	Lead	7439-92-1	(0.0866)%
	Manganese	7439-96-5	(0.128)%
	Molybdenum	7439-98-7	(0.004)%
	Nickel	7440-02-0	(0.0171)%
	Palladium	7440-05-3	0.00000061%
	Platinum	7440-06-4	0.00000813%
	Rhodium	7440-16-6	0.00000128%
	Rubidium	7440-17-7	(0.0075)%

Continued on next page

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Continued from previous page

Analyte	CAS Number	Analyte Concentration
Strontium	7440-24-6	(0.0254)%
Thorium	7440-29-1	(0.00048)%
Titanium	7440-32-6	(0.258)%
Vanadium	7440-62-2	(0.00749)%
Yttrium	7440-65-5	(0.00125)%
Zinc	7440-66-6	(0.166)%

Product Code	Product Description	Pack size	Number of Analytes
ERM-CZ110	FINE DUST (PM2.5 like) (extractable ions)	30g	7
	Analyte	CAS Number	Analyte Concentration
	Calcium	7440-70-2	44g/kg
	Chloride	16887-00-6	26.2g/kg
	Magnesium	7439-95-4	1.8g/kg
	Nitrate	14797-55-8	7.8g/kg
	Potassium	7440-09-7	3.3g/kg
	Sodium	7440-23-5	20.4g/kg
	Sulfate	14808-79-8	75g/kg

Product Code	Product Description	Pack size	Number of Analytes
ERM-CZ120	FINE DUST (PM10-LIKE) (elements)	0.5g	46
	Analyte	CAS Number	Analyte Concentration
	Aluminium	7429-90-5	(3.41)%
	Antimony	7440-36-0	(0.00647)%
	Arsenic	7440-38-2	0.00071%
	Barium	7440-39-3	(0.05622)%
	Bromine	7726-95-6	(0.00102)%
	Cadmium	7440-43-9	0.00009%
	Caesium	7440-46-2	(0.00031)%
	Calcium	7440-70-2	(6.3043)%
	Cerium	7440-45-1	(0.00568)%
	Chlorine	7782-50-5	(1.0033)%
	Chromium	7440-47-3	(0.0201)%
	Cobalt	7440-48-4	(0.00143)%
	Copper	7440-50-8	(0.0462)%
	Dysprosium	7429-91-6	(0.00033)%
	Elemental Carbon		(4.5433)%
	Europium	7440-53-1	(0.00008)%
	Gallium	7440-55-3	(0.00087)%
	Gold	7440-57-5	(0.000002)%

Continued on next page

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Continued from previous page

Analyte	CAS Number	Analyte Concentration
Hafnium	7440-58-6	(0.00084)%
Iron	7439-89-6	(3.8144)%
Lanthanum	7439-91-0	(0.0025)%
Lead	7439-92-1	0.0113%
Magnesium	7439-95-4	(1.32)%
Manganese	7439-96-5	(0.0611)%
Molybdenum	7439-98-7	(0.00332)%
Neodymium	7440-00-8	(0.00222)%
Nickel	7440-02-0	0.0058%
Potassium	7440-09-7	(1.0998)%
Rubidium	7440-17-7	(0.00523)%
Samarium	7440-19-9	(0.00041)%
Scandium	7440-20-2	(0.00074)%
Silicon	7440-21-3	(22.9)%
Sodium	7440-23-5	(1.4211)%
Strontium	7440-24-6	(0.0251)%
Tantalum	7440-25-7	(0.0001)%
Terbium	7440-27-9	(0.00006)%
Thorium	7440-29-1	(0.0007)%
Titanium	7440-32-6	(0.4372)%
Total Carbon		(11.1333)%
Total Organic Carbon		(7.6633)%
Tungsten	7440-33-7	(0.00041)%
Uranium	7440-61-1	(0.00026)%
Vanadium	7440-62-2	(0.00724)%
Ytterbium	7440-64-4	(0.00017)%
Zinc	7440-66-6	(0.124)%
Zirconium	7440-67-7	(0.0341)%

Product Code	Product Description	Pack size	Number of Analytes
NIST-2583	Indoor dust – Trace elements	8g	5
	Analyte	CAS Number	Analyte Concentration
	Arsenic	7440-38-2	0.0007%
	Cadmium	7440-43-9	0.00073%
	Chromium	7440-47-3	0.008%
	Lead	7439-92-1	0.00859%
	Mercury	7439-97-6	0.000156%

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
NIST-2584	Indoor dust - Trace elements	8g	15
	Analyte	CAS Number	Analyte Concentration
	Aluminium	7429-90-5	(2.32)%
	Arsenic	7440-38-2	0.00174%
	Cadmium	7440-43-9	0.001%
	Calcium	7440-70-2	(6.33)%
	Chromium	7440-47-3	0.0135%
	Iron	7439-89-6	(1.64)%
	Lanthanum	7439-91-0	(0.0019)%
	Lead	7439-92-1	0.9761%
	Magnesium	7439-95-4	(1.59)%
	Mercury	7439-97-6	0.00052%
	Phosphorus	7723-14-0	(0.2)%
	Potassium	7440-09-7	(0.95)%
	Sodium	7440-23-5	(2.77)%
	Titanium	7440-32-6	(0.42)%
	Zinc	7440-66-6	(0.258)%



Environment

Elements & General Attributes

Soil, Sediment & Sludge



Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
NWHR-1	Humber River Sediment	100g	9
	Analyte	CAS Number	Analyte Concentration
	Aluminium	7429-90-5	5.925%
	Chromium	7440-47-3	0.0126%
	Copper	7440-50-8	0.00799%
	Iron	7439-89-6	3.0579%
	Lead	7439-92-1	0.0139%
	Manganese	7439-96-5	0.0549%
	Nickel	7440-02-0	0.00394%
	Vanadium	7440-62-2	0.00841%
	Zinc	7440-66-6	0.1105%

Product Code	Product Description	Pack size	Number of Analytes
NWTH-2	Toronto Harbour Sediment	100g	41
	Analyte	CAS Number	Analyte Concentration
	Aluminium	7429-90-5	6.4799%
	Antimony	7440-36-0	(0.000322)%
	Arsenic	7440-38-2	0.00087%
	Barium	7440-39-3	(0.0573)%
	Beryllium	7440-41-7	(0.000211)%
	Bismuth	7440-69-9	(0.00627)%
	Boron	7440-42-8	(0.0084)%
	Cadmium	7440-43-9	0.000522%
	Calcium	7440-70-2	(7.7806)%
	Cerium	7440-45-1	(0.00739)%
	Cesium	7440-46-2	(0.000373)%
	Chromium	7440-47-3	0.0123%
	Cobalt	7440-48-4	0.00157%
	Copper	7440-50-8	0.0124%
	Gallium	7440-55-3	(0.00173)%
	Iron	7439-89-6	3.5361%
	Lanthanum	7439-91-0	(0.0033)%
	Lead	7439-92-1	0.0194%
	Lithium	7439-93-2	(0.00351)%
	Magnesium	7439-95-4	(1.5846)%
	Manganese	7439-96-5	0.0584%
	Mercury	7439-97-6	0.000062%
	Molybdenum	7439-98-7	(0.000118)%
	Nickel	7440-02-0	0.0043%
	Niobium	7660-03-1	(0.000882)%
	Phosphorus	7723-14-0	(0.1832)%

Continued on next page

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Continued from previous page

Analyte	CAS Number	Analyte Concentration
Potassium	7440-09-7	(2.2313)%
Rubidium	7440-17-7	(0.0094)%
Scandium	7440-20-2	(0.00135)%
Selenium	7782-49-2	0.0000825%
Silver	7440-22-4	(0.000547)%
Sodium	7440-23-5	(1.0956)%
Strontium	7440-24-6	(0.0273)%
Thallium	7440-28-0	(0.0000663)%
Tin	7440-31-5	(0.001077)%
Titanium	7440-32-6	(0.3015)%
Tungsten	7440-33-7	(0.000133)%
Uranium	7440-61-1	(0.000208)%
Vanadium	7440-62-2	0.00892%
Yttrium	7440-65-5	(0.00251)%
Zinc	7440-66-6	0.0908%

Product Code	Product Description	Pack size	Number of Analytes
NWWQB-3	Lake Ontario Sediment	100g	8
	Analyte	CAS Number	Analyte Concentration
	Aluminium	7429-90-5	1.46%
	Calcium	7440-70-2	4.21%
	Lead	7439-92-1	234µg/g
	Magnesium	7439-95-4	1.2%
	Manganese	7439-96-5	1122µg/g
	Mercury	7439-97-6	2.78µg/g
	Selenium	7782-49-2	1.37µg/g
Silver	7440-22-4	1.54µg/g	

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
NWWQB-4	Lake Ontario Sediment	100g	26
	Analyte	CAS Number	Analyte Concentration
	Aluminium	7429-90-5	1.5 %
	Arsenic	440-38-2	16 µg/g
	Barium	7440-39-3	129 µg/g
	Beryllium	7440-41-7	0.87 µg/g
	Cadmium	7440-43-9	3.62 µg/g
	Calcium	7440-70-2	4.29 %
	Chromium	7440-47-3	80.5 µg/g
	Cobalt	7440-48-4	12.4 µg/g
	Copper	7440-50-8	74.3 µg/g
	Iron	7439-89-6	5 %
	Lead	7439-92-1	230 µg/g
	Lithium	7439-93-2	25 µg/g
	Magnesium	7439-95-4	1.19 %
	Manganese	7439-96-5	1120 µg/g
	Mercury	7439-97-6	2.8 µg/g
	Molybdenum	7439-98-7	1.65 µg/g
	Nickel	7440-02-0	48.6 µg/g
	Selenium	7782-49-2	1.3 µg/g
	Silver	7440-22-4	1.44 µg/g
	Sodium	7440-23-5	215 µg/g
	Strontium	7440-24-6	69 µg/g
	Thallium	7440-28-0	0.721 µg/g
	Tin	7440-31-5	19.1 µg/g
	Uranium	7440-61-1	10.3 µg/g
	Vanadium	7440-62-2	37.3 µg/g
	Zinc	7440-66-6	1310 µg/g

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
NWWQB-5	Lake Ontario Sediment	100g	21
	Analyte	CAS Number	Analyte Concentration
	Aluminium	7429-90-5	1.99µg/g
	Arsenic	7440-38-2	17.8µg/g
	Barium	7440-39-3	179µg/g
	Cadmium	7440-43-9	2.34µg/g
	Calcium	7440-70-2	2.33µg/g
	Chromium	7440-47-3	67.9µg/g
	Cobalt	7440-48-4	15.2µg/g
	Copper	7440-50-8	76.3µg/g
	Iron	7439-89-6	3.8µg/g
	Lead	7439-92-1	100µg/g
	Magnesium	7439-95-4	1.12µg/g
	Manganese	7439-96-5	1404µg/g
	Mercury	7439-97-6	2.79µg/g
	Molybdenum	7439-98-7	1.19µg/g
	Nickel	7440-02-0	62µg/g
	Selenium	7782-49-2	1.2µg/g
	Silver	7440-22-4	1.19µg/g
	Strontium	7440-24-6	44.1µg/g
Thallium	7440-28-0	0.481µg/g	
Tin	7440-31-5	6.8µg/g	
Zinc	7440-66-6	1740µg/g	

Product Code	Product Description	Pack size	Number of Analytes
BCR-142R	Light sandy soil - Trace elements	40g	8
	Analyte	CAS Number	Analyte Concentration
	Cadmium	7440-43-9	0.34mg/kg
	Cobalt	7440-48-4	12.1mg/kg
	Copper	7440-50-8	69.7mg/kg
	Lead	7439-92-1	40.2mg/kg
	Manganese	7439-96-5	970mg/kg
	Mercury	7439-97-6	0.067mg/kg
	Nickel	7440-02-0	64.5mg/kg
	Zinc	7440-66-6	93.3mg/kg

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
BCR-277R	Estuarine sediment - Trace elements	40g	8
	Analyte	CAS Number	Analyte Concentration
	Arsenic	7440-38-2	0.00183%
	Cadmium	7440-43-9	0.000061%
	Chromium	7440-47-3	0.0188%
	Cobalt	7440-48-4	0.00225%
	Copper	7440-50-8	0.0063%
	Mercury	7439-97-6	0.0000128%
	Nickel	7440-02-0	0.013%
	Zinc	7440-66-6	0.0178%

Product Code	Product Description	Pack size	Number of Analytes
BCR-280R	Lake sediment - Trace elements	30g	8
	Analyte	CAS Number	Analyte Concentration
	Arsenic	7440-38-2	0.00334%
	Cadmium	7440-43-9	0.000085%
	Chromium	7440-47-3	0.0126%
	Cobalt	7440-48-4	0.00168%
	Copper	7440-50-8	0.0053%
	Mercury	7439-97-6	0.000146%
	Nickel	7440-02-0	0.0069%
	Zinc	7440-66-6	0.0224%

Product Code	Product Description	Pack size	Number of Analytes
BCR-462	COASTAL SEDIMENT (butyltins)	25g	2
	Analyte	CAS Number	Analyte Concentration
	Dibutyl tin	1002-53-5	68µg/kg
	Tributyl tin	688-73-3	54µg/kg

Product Code	Product Description	Pack size	Number of Analytes
BCR-483	Sewage sludge amended soil - Extractable trace elements	70g	6
	Analyte	CAS Number	Analyte Concentration
	Cadmium	7440-43-9	24.3mg/kg
	Chromium	7440-47-3	28.6mg/kg
	Copper	7440-50-8	215mg/kg
	Lead	7439-92-1	229mg/kg
	Nickel	7440-02-0	28.7mg/kg
	Zinc	7440-66-6	612mg/kg

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
BCR-484	Sewage sludge amended (terra rossa) soil - Extrac. tr. elem.	70g	5
	Analyte	CAS Number	Analyte Concentration
	Cadmium	7440-43-9	0.509mg/kg
	Copper	7440-50-8	88mg/kg
	Lead	7439-92-1	47.9mg/kg
	Nickel	7440-02-0	1.39mg/kg
	Zinc	7440-66-6	152mg/kg

Product Code	Product Description	Pack size	Number of Analytes
BCR-646	Freshwater sediment - Butyltin and phenyltin	40g	6
	Analyte	CAS Number	Analyte Concentration
	Dibutyl tin	1002-53-5	770µg/kg
	Diphenyl tin		36µg/kg
	Monobutyl tin	78763-54-9	610µg/kg
	Monophenyl tin		69µg/kg
	Tributyl tin	688-73-3	480µg/kg
	Triphenyl tin		29µg/kg

Product Code	Product Description	Pack size	Number of Analytes
BCR-684	RIVER SEDIMENT (extractable phosphorous)	35g	3
	Analyte	CAS Number	Analyte Concentration
	Inorganic phosphorus		1113mg/kg
	Organic phosphorus		209mg/kg
	Phosphorus	7723-14-0	550mg/kg

Product Code	Product Description	Pack size	Number of Analytes
BCR-700	Organic rich soil - Extractable trace elements	40g	6
	Analyte	CAS Number	Analyte Concentration
	Cadmium	7440-43-9	65.2mg/kg
	Chromium	7440-47-3	10.1mg/kg
	Copper	7440-50-8	89.4mg/kg
	Lead	7439-92-1	103mg/kg
	Nickel	7440-02-0	53.2mg/kg
	Zinc	7440-66-6	510mg/kg

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
BCR-701	LAKE SEDIMENT (trace elements)	20g	6
	Analyte	CAS Number	Analyte Concentration
	Cadmium	7440-43-9	7.3mg/kg
	Chromium	7440-47-3	2.26mg/kg
	Copper	7440-50-8	49.3mg/kg
	Lead	7439-92-1	3.18mg/kg
	Nickel	7440-02-0	15.4mg/kg
	Zinc	7440-66-6	205mg/kg

Product Code	Product Description	Pack size	Number of Analytes
ERM-CC141	Loam soil - Trace elements	24g	29
	Analyte	CAS Number	Analyte Concentration
	Aluminium oxide	1344-28-1	(16.7%)
	Arsenic	7440-38-2	0.00075%
	Cadmium	7440-43-9	0.000025%
	Calcium oxide	1305-78-8	(0.62%)
	Chromium	7440-47-3	0.0031%
	Cobalt	7440-48-4	0.00079%
	Copper	7440-50-8	0.00124%
	Iron (III) Oxide	1309-37-1	(6.58%)
	Lead	7439-92-1	0.00322%
	Magnesium oxide	1309-48-4	(0.68%)
	Manganese	7439-96-5	0.0387%
	Mercury	7439-97-6	0.000008%
	Nickel	7440-02-0	0.00219%
	Phosphorus pentoxide	1314-56-3	(0.13%)
	Potassium oxide	12136-45-7	(4.22%)
	Silicon dioxide	7631-86-9	(78.28%)
	Sodium oxide	1313-59-3	(2.17%)
	Titanium dioxide	13463-67-7	(0.72%)
	Total Arsenic		0.00099%
	Total cadmium		0.000035%
	Total Chromium		0.0086%
	Total Cobalt		0.00085%
	Total copper		0.00144%
	Total lead		0.0041%
	Total Manganese		0.0464%
	Total Mercury		0.0000083%
	Total nickel		0.00264%
	Total Zinc		0.0057%
	Zinc	7440-66-6	0.005%

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
ERM-CC144	Sewage Sludge - Trace Elements	30g	22
	Analyte	CAS Number	Analyte Concentration
	Aluminium	7429-90-5	(1.9)%
	Arsenic	7440-38-2	7.7mg/kg
	Cadmium	7440-43-9	14.5mg/kg
	Calcium	7440-70-2	(3.1)%
	Chromium	7440-47-3	168mg/kg
	Cobalt	7440-48-4	6.5mg/kg
	Copper	7440-50-8	348mg/kg
	Iron	7439-89-6	32.9g/kg
	Lead	7439-92-1	157mg/kg
	Magnesium	7439-95-4	(0.38)%
	Manganese	7439-96-5	352mg/kg
	Mercury	7439-97-6	5.9mg/kg
	Nickel	7440-02-0	91mg/kg
	Organic Carbon		(36)%
	Phosphorus pentoxide	1314-56-3	(3.8)%
	Potassium	7440-09-7	(0.29)%
	Silicon dioxide	7631-86-9	(7.3)%
	Sodium	7440-23-5	(0.18)%
	Titanium	7440-32-6	(0.15)%
	Total inorganic Carbon		(0.1)%
	Water	7732-18-5	(2.5)%
	Zinc	7440-66-6	0.98g/kg

Product Code	Product Description	Pack size	Number of Analytes
ERM-CC580	ESTUARINE SEDIMENT (Hg, methylmercury)	40g	2
	Analyte	CAS Number	Analyte Concentration
	Methylmercury	22967-92-6	0.075mg/kg
	Total Mercury		132mg/kg

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
ERM-CC690	Calcareous soil - Trace elements	70g	12
	Analyte	CAS Number	Analyte Concentration
	Cerium	7440-45-1	0.00491%
	Dysprosium	7429-91-6	0.00029%
	Gadolinium	7440-54-2	0.00032%
	Lanthanum	7439-91-0	0.00244%
	Neodymium	7440-00-8	0.00191%
	Samarium	7440-19-9	0.00035%
	Scandium	7440-20-2	0.00079%
	Terbium	7440-27-9	0.00005%
	Thorium	7440-29-1	0.00076%
	Thulium	7440-30-4	0.0000232%
	Uranium	7440-61-1	0.00019%
	Ytterbium	7440-64-4	0.000157%

Product Code	Product Description	Pack size	Number of Analytes
NIST-1400	Bone Ash - Trace Elements	50g	8
	Analyte	CAS Number	Analyte Concentration
	Calcium	7440-70-2	38.18%
	Iron	7439-89-6	0.066%
	Lead	7439-92-1	0.000907%
	Magnesium	7439-95-4	0.684%
	Phosphorus	7723-14-0	17.91%
	Potassium	7440-09-7	0.0186%
	Strontium	7440-24-6	0.0249%
	Zinc	7440-66-6	0.0181%

Product Code	Product Description	Pack size	Number of Analytes
NIST-1486	Bone Meal	50g	8
	Analyte	CAS Number	Analyte Concentration
	Calcium	7440-70-2	26.58%
	Iron	7439-89-6	0.0099%
	Lead	7439-92-1	0.0001335%
	Magnesium	7439-95-4	0.466%
	Phosphorus	7723-14-0	12.3%
	Potassium	7440-09-7	0.0412%
	Strontium	7440-24-6	0.0264%
	Zinc	7440-66-6	0.0147%

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
NIST-1575A	Trace Elements in Pine Needles (Pinus taeda)	50g	12
	Analyte	CAS Number	Analyte Concentration
	Aluminium	7429-90-5	580ppm
	Barium	7440-39-3	6ppm
	Cadmium	7440-43-9	0.233ppm
	Calcium	7440-70-2	0.25%
	Chlorine	7782-50-5	421ppm
	Copper	7440-50-8	2.8ppm
	Iron	7439-89-6	46ppm
	Mercury	7439-97-6	0.0399ppm
	Phosphorus	7723-14-0	0.107%
	Potassium	7440-09-7	0.417%
	Rubidium	7440-17-7	16.5ppm
	Zinc	7440-66-6	38ppm

Product Code	Product Description	Pack size	Number of Analytes
NIST-1646A	Estuarine sediment - Metals	70g	18
	Analyte	CAS Number	Analyte Concentration
	Aluminium	7429-90-5	2.297%
	Arsenic	7440-38-2	6.23ppm
	Cadmium	7440-43-9	0.148ppm
	Calcium	7440-70-2	0.519%
	Chromium	7440-47-3	40.9ppm
	Copper	7440-50-8	10.01ppm
	Iron	7439-89-6	2.008%
	Lead	7439-92-1	11.7ppm
	Magnesium	7439-95-4	0.388%
	Manganese	7439-96-5	234.5ppm
	Phosphorus	7723-14-0	0.027%
	Potassium	7440-09-7	0.864%
	Selenium	7782-49-2	0.193ppm
	Silicon	7440-21-3	40%
	Sodium	7440-23-5	0.741%
	Titanium	7440-32-6	0.456%
	Vanadium	7440-62-2	44.84ppm
	Zinc	7440-66-6	48.9ppm

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
NIST-2586	Trace Elements in Soil w/lead from paint	55g	44
	Analyte	CAS Number	Analyte Concentration
	Aluminium	7429-90-5	(6.652)%
	Arsenic	7440-38-2	0.00087%
	Barium	7440-39-3	(0.0413)%
	Beryllium	7440-41-7	(0.00014)%
	Cadmium	7440-43-9	0.000271%
	Calcium	7440-70-2	(2.218)%
	Cerium	7440-45-1	(0.00571)%
	Chromium	7440-47-3	0.0301%
	Cobalt	7440-48-4	(0.0035)%
	Copper	7440-50-8	(0.0081)%
	Dysprosium	7429-91-6	(0.000469)%
	Erbium	7440-52-0	(0.00033)%
	Europium	7440-53-1	(0.000133)%
	Gadolinium	7440-54-2	(0.000604)%
	Gallium	7440-55-3	(0.0014)%
	Holmium	7440-60-0	(0.00011)%
	Iron	7439-89-6	(5.161)%
	Lanthanum	7439-91-0	(0.0027)%
	Lead	7439-92-1	0.0432%
	Lithium	7439-93-2	(0.0025)%
	Magnesium	7439-95-4	(1.707)%
	Manganese	7439-96-5	(0.1)%
	Mercury	7439-97-6	(0.0000367)%
	Neodymium	7440-00-8	(0.00272)%
	Nickel	7440-02-0	(0.0075)%
	Niobium	7660-03-1	(0.0006)%
	Perfluorooctanesulfonic acid	1763-23-1	(0.000341)%
	Phosphorus	7723-14-0	(0.1001)%
	Potassium	7440-09-7	(0.976)%
	Praseodymium	7440-10-0	(0.000678)%
	Samarium	7440-19-9	(0.000602)%
	Scandium	7440-20-2	(0.0024)%
	Selenium	7782-49-2	(0.00006)%
	Silicon	7440-21-3	(29.15)%
	Sodium	7440-23-5	(0.468)%
	Strontium	7440-24-6	(0.00841)%
	Terbium	7440-27-9	(0.000079)%
	Thorium	7440-29-1	(0.0007)%
	Thulium	7440-30-4	(0.00005)%
	Titanium	7440-32-6	(0.605)%
	Vanadium	7440-62-2	(0.016)%

Continued on next page

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Continued from previous page

Analyte	CAS Number	Analyte Concentration
Ytterbium	7440-64-4	(0.000206)%
Yttrium	7440-65-5	(0.00205)%
Zinc	7440-66-6	(0.0352)%

Product Code	Product Description	Pack size	Number of Analytes
NIST-2587	Soil containing lead from paint - Trace elements	55g	32
	Analyte	CAS Number	Analyte Concentration
	Aluminium	7429-90-5	(5.86)%
	Arsenic	7440-38-2	0.00137%
	Barium	7440-39-3	(0.0568)%
	Beryllium	7440-41-7	(0.00092)%
	Cadmium	7440-43-9	0.000192%
	Calcium	7440-70-2	(0.927)%
	Cerium	7440-45-1	(0.0057)%
	Cobalt	7440-48-4	(0.0014)%
	Copper	7440-50-8	(0.016)%
	Gallium	7440-55-3	(0.0013)%
	Iron	7439-89-6	(2.813)%
	Lanthanum	7439-91-0	(0.0029)%
	Lead	7439-92-1	0.3242%
	Lithium	7439-93-2	(0.0032)%
	Magnesium	7439-95-4	(0.669)%
	Manganese	7439-96-5	(0.0651)%
	Mercury	7439-97-6	(0.000029)%
	Neodymium	7440-00-8	(0.0025)%
	Nickel	7440-02-0	(0.0036)%
	Niobium	7660-03-1	(0.0014)%
	Phosphorus	7723-14-0	(0.097)%
	Potassium	7440-09-7	(1.583)%
	Scandium	7440-20-2	(0.0011)%
	Silicon	7440-21-3	(33.13)%
	Sodium	7440-23-5	(1.127)%
	Strontium	7440-24-6	(0.0126)%
	Thorium	7440-29-1	(0.00075)%
	Titanium	7440-32-6	(0.392)%
	Vanadium	7440-62-2	(0.0078)%
	Ytterbium	7440-64-4	(0.00016)%
	Yttrium	7440-65-5	(0.0015)%
	Zinc	7440-66-6	(0.03358)%

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
NIST-2700	Hexavalent Chromium in Contaminated Soil (Low Level)	75g	4
	Analyte	CAS Number	Analyte Concentration
	Chromium	7440-47-3	0.1055%
	Hexavalent Chromium	18540-29-9	14.9ppm
	Iron	7439-89-6	0.595%
	Manganese	7439-96-5	0.006%

Product Code	Product Description	Pack size	Number of Analytes
NIST-2701	Contaminated soil - Hexavalent chromium (High Level)	75g	4
	Analyte	CAS Number	Analyte Concentration
	Chromium	7440-47-3	4.26%
	Hexavalent Chromium	18540-29-9	551.2ppm
	Iron	7439-89-6	23.73%
	Manganese	7439-96-5	0.2137%

Product Code	Product Description	Pack size	Number of Analytes
NIST-2706	New Jersey Soil, Organics and Trace Elements	50g	90
	Analyte	CAS Number	Analyte Concentration
	4,5-Methylenepheanthrene	203-64-5	0.000004%
	Acenaphthene	83-32-9	0.0000013%
	Acenaphthylene	208-96-8	0.000029%
	Aluminium	7429-90-5	2.7%
	Anthracene	120-12-7	(0.000006)%
	Antimony	7440-36-0	0.0149%
	Arsenic	7440-38-2	(0.00303)%
	Barium	7440-39-3	0.0319%
	Benz[a]anthracene	56-55-3	0.0000241%
	Benzo(a)fluoranthene	203-33-8	0.0000129%
	Benzo(b)chrysene	214-17-5	0.0000064%
	Benzo(c)phenanthrene	195-19-7	0.0000058%
	Benzo(e)pyrene	192-97-2	0.0000332%
	Benzo(g,h,i)fluoranthene	203-12-3	0.0000071%
	Benzo(j)fluoranthene	205-82-3	0.0000122%
	Benzo(k)fluoranthene	207-08-9	0.0000144%
	Benzo[a]pyrene	50-32-8	0.0000255%
	Benzo[b]fluoranthene	205-99-2	0.0000314%
	Benzo[ghi]perylene	191-24-2	0.0000363%
	Beryllium	7440-41-7	(0.000084)%

Continued on next page

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Continued from previous page

Analyte	CAS Number	Analyte Concentration
Biphenyl	92-52-4	(0.000006)%
Bismuth	7440-69-9	(0.0000159)%
Cadmium	7440-43-9	(0.000031)%
Calcium	7440-70-2	0.588%
Cerium	7440-45-1	(0.00345)%
Cesium	7440-46-2	(0.000135)%
Chromium	7440-47-3	0.00601%
Chrysene	218-01-9	(0.0000285)%
Chrysene and Triphenylene		(0.0000345)%
Cobalt	7440-48-4	0.000599%
Copper	7440-50-8	0.00881%
Coronene	191-07-1	0.0000064%
Cyclopenta(c,d)pyrene	27208-37-3	(0.0000052)%
Dibenzo(a,e)pyrene	192-65-4	0.0000072%
Dibenzo(a,h)anthracene	53-70-3	0.0000055%
Dibenzo(a,j)anthracene	224-41-9	0.0000055%
Dibenzo(b,k)fluoranthene	205-97-0	0.0000068%
Dibenzo[a,c]anthracene	215-58-7	0.0000049%
Dibenzothiophene	132-65-0	(0.0000071)%
Dysprosium	7429-91-6	(0.000241)%
Erbium	7440-52-0	(0.000145)%
Europium	7440-53-1	(0.0000602)%
Fluoranthene	206-44-0	0.0000516%
Fluorene	86-73-7	(0.000003)%
Gadolinium	7440-54-2	(0.000263)%
Gallium	7440-55-3	(0.000678)%
Holmium	7440-60-0	(0.000488)%
Indeno[1,2,3-cd]pyrene	193-39-5	(0.000031)%
Iron	7439-89-6	2.22%
Lanthanum	7439-91-0	(0.00155)%
Lead	7439-92-1	0.0653%
Lithium	7439-93-2	(0.00164)%
Loss on fusion		(6.5)%
Lutetium	7439-94-3	(0.0000219)%
Magnesium	7439-95-4	0.289%
Manganese	7439-96-5	0.0244%
Mercury	7439-97-6	0.00001329%
Molybdenum	7439-98-7	(0.0001211)%
Naphthalene	91-20-3	0.00153%
Neodymium	7440-00-8	(0.001482)%
Nickel	7440-02-0	0.00228%
Niobium	7660-03-1	(0.000718)%
Perylene	198-55-0	0.0000074%

Continued on next page

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Continued from previous page

Analyte	CAS Number	Analyte Concentration
Phenanthrene	85-01-8	0.0000471%
Phosphorus	7723-14-0	0.0407%
Picene	213-46-7	0.0000076%
Potassium	7440-09-7	0.946%
Praseodymium	7440-10-0	(0.000399)%
Pyrene	129-00-0	0.0000504%
Rubidium	7440-17-7	0.00376%
Samarium	7440-19-9	(0.000293)%
Scandium	7440-20-2	(0.00043)%
Selenium	7782-49-2	(0.00003)%
Silicon	7440-21-3	39.17%
Silver	7440-22-4	(<0.0001)%
Sodium	7440-23-5	0.268%
Strontium	7440-24-6	0.00603%
Terbium	7440-27-9	(0.000039)%
Thallium	7440-28-0	(0.000024)%
Thorium	7440-29-1	(0.000437)%
Thulium	7440-30-4	(0.0000216)%
Tin	7440-31-5	(0.0036)%
Titanium	7440-32-6	0.29%
Triphenylene	217-59-4	(0.0000132)%
Tungsten	7440-33-7	(0.00009)%
Uranium	7440-61-1	(0.000138)%
Vanadium	7440-62-2	0.00519%
Yttrium	7440-65-5	(0.0011)%
Zinc	7440-66-6	0.01354%
Zirconium	7440-67-7	0.0303%

Product Code	Product Description	Pack size	Number of Analytes
NIST-2709A	San Joaquin Soil	50g	19
	Analyte	CAS Number	Analyte Concentration
	Aluminium	7429-90-5	7.37%
	Antimony	7440-36-0	1.55ppm
	Barium	7440-39-3	979ppm
	Cadmium	7440-43-9	0.371ppm
	Calcium	7440-70-2	1.91%
	Chromium	7440-47-3	130ppm
	Cobalt	7440-48-4	12.8ppm
	Iron	7439-89-6	3.36%
	Lead	7439-92-1	17.3ppm
	Magnesium	7439-95-4	1.46%

Continued on next page

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Continued from previous page

Analyte	CAS Number	Analyte Concentration
Manganese	7439-96-5	529ppm
Phosphorus	7723-14-0	0.0688%
Potassium	7440-09-7	2.11%
Silicon	7440-21-3	30.3%
Sodium	7440-23-5	1.22%
Strontium	7440-24-6	239ppm
Titanium	7440-32-6	0.336%
Vanadium	7440-62-2	110ppm
Zirconium	7440-67-7	195ppm

Product Code	Product Description	Pack size	Number of Analytes	
NIST-2710A	Montana I soil - Trace and const. elements (highly elevated)	50g	22	
		Analyte	CAS Number	Analyte Concentration
		Aluminium	7429-90-5	5.95%
		Antimony	7440-36-0	52.5ppm
		Arsenic	7440-38-2	0.154%
		Barium	7440-39-3	792ppm
		Cadmium	7440-43-9	12.3ppm
		Calcium	7440-70-2	0.964%
		Cobalt	7440-48-4	5.99ppm
		Copper	7440-50-8	0.342%
		Iron	7439-89-6	4.32%
		Lanthanum	7439-91-0	30.6ppm
		Lead	7439-92-1	0.552%
		Magnesium	7439-95-4	0.734%
		Manganese	7439-96-5	0.214%
		Mercury	7439-97-6	9.88ppm
		Phosphorus	7723-14-0	0.105%
		Potassium	7440-09-7	2.17%
		Silicon	7440-21-3	31.1%
		Sodium	7440-23-5	0.894%
		Strontium	7440-24-6	255ppm
		Titanium	7440-32-6	0.311%
		Uranium	7440-61-1	9.11ppm
		Zinc	7440-66-6	0.418%

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
NIST-2711A	Montana II Soil	50g	25
	Analyte	CAS Number	Analyte Concentration
	Aluminium	7429-90-5	6.72%
	Antimony	7440-36-0	23.8ppm
	Arsenic	7440-38-2	107ppm
	Barium	7440-39-3	730ppm
	Cadmium	7440-43-9	54.1ppm
	Calcium	7440-70-2	2.42%
	Chromium	7440-47-3	52.3ppm
	Cobalt	7440-48-4	9.89ppm
	Copper	7440-50-8	140ppm
	Iron	7439-89-6	2.82%
	Lead	7439-92-1	0.14%
	Magnesium	7439-95-4	1.07%
	Manganese	7439-96-5	675ppm
	Mercury	7439-97-6	7.42ppm
	Nickel	7440-02-0	21.7ppm
	Phosphorus	7723-14-0	842ppm
	Potassium	7440-09-7	2.53%
	Samarium	7440-19-9	5.93ppm
	Silicon	7440-21-3	31.4%
Sodium	7440-23-5	1.2%	
Strontium	7440-24-6	242ppm	
Titanium	7440-32-6	0.317%	
Uranium	7440-61-1	3.01ppm	
Vanadium	7440-62-2	80.7ppm	
Zinc	7440-66-6	414ppm	

Product Code	Product Description	Pack size	Number of Analytes
NIST-2719	Calcinated petroleum coke - Trace elements	50g	14
	Analyte	CAS Number	Analyte Concentration
	Aluminium	7429-90-5	0.00589%
	Ash		(0.12)%
	Calcium	7440-70-2	0.00577%
	Calorific value		(32.9)MJ/kg
	Carbon	7440-44-0	(97.06)%
	Cobalt	7440-48-4	(0.00786)%
	Hydrogen	1333-74-0	(0.16)%
	Iron	7439-89-6	0.02016%
	Nickel	7440-02-0	0.0204%
	Nitrogen	7727-37-9	(1.17)%

Continued on next page

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Continued from previous page

Analyte	CAS Number	Analyte Concentration
Silicon	7440-21-3	(0.0138)%
Sodium	7440-23-5	(0.00151)%
Vanadium	7440-62-2	0.00586%
Volatile Matter		(0.54)%

Product Code	Product Description	Pack size	Number of Analytes
NIST-2790	Inorganic Constituents in Hardwood Biomass Material	2x30g	29
	Analyte	CAS Number	Analyte Concentration
	Aluminium	7429-90-5	(0.009206)%
	Antimony	7440-36-0	(0.00000397)%
	Arsenic	7440-38-2	0.00000335%
	Ash	not applicable	0.604%
	Boron	7440-42-8	(0.000321)%
	Carbon	7440-44-0	(51.73)%
	Cerium	7440-45-1	(0.00005523)%
	Cesium	7440-46-2	0.00000199%
	Chlorine	7782-50-5	(0.00354)%
	Chromium	7440-47-3	0.000159%
	Cobalt	7440-48-4	(0.0001545)%
	Hydrogen	1333-74-0	(6.291)%
	Iron	7439-89-6	0.00829%
	Lanthanum	7439-91-0	(0.0000643)%
	Magnesium	7439-95-4	0.0189%
	Manganese	7439-96-5	0.00524%
	Mercury	7439-97-6	0.000001323%
	Potassium	7440-09-7	0.104%
	Rubidium	7440-17-7	(0.000311)%
	Samarium	7440-19-9	(0.00000507)%
	Scandium	7440-20-2	(0.00000111)%
	Selenium	7782-49-2	0.00000102%
	Silver	7440-22-4	(0.00000079)%
	Sodium	7440-23-5	0.0026%
	Thorium	7440-29-1	(0.00000146)%
	Titanium	7440-32-6	(0.00111)%
	Tungsten	7440-33-7	(0.0000225)%
	Vanadium	7440-62-2	0.0000243%
	Zinc	7440-66-6	0.000926%

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
NIST-2791	Inorganic Constituents in Softwood Biomass Material	2x30g	32
	Analyte	CAS Number	Analyte Concentration
	Aluminium	7429-90-5	(0.00736)%
	Antimony	7440-36-0	(0.00000399)%
	Arsenic	7440-38-2	0.00000067%
	Ash	not applicable	(0.52)%
	Boron	7440-42-8	(0.000274)%
	Cadmium	7440-43-9	(0.00000821)%
	Calcium	7440-70-2	(0.0527)%
	Carbon	7440-44-0	(53.4)%
	Cerium	7440-45-1	(0.00001692)%
	Cesium	7440-46-2	0.000000505%
	Chlorine	7782-50-5	(0.00371)%
	Chromium	7440-47-3	(0.0000187)%
	Cobalt	7440-48-4	0.00000551%
	Copper	7440-50-8	(0.0000687)%
	Hydrogen	1333-74-0	(6.39)%
	Iron	7439-89-6	0.00096%
	Lanthanum	7439-91-0	(0.000014)%
	Magnesium	7439-95-4	0.0155%
	Manganese	7439-96-5	0.003992%
	Mercury	7439-97-6	0.000000923%
	Potassium	7440-09-7	0.0428%
	Rubidium	7440-17-7	(0.0000807)%
	Samarium	7440-19-9	(0.000001338)%
	Scandium	7440-20-2	(0.000000615)%
	Selenium	7782-49-2	0.00000165%
	Silver	7440-22-4	(0.000001491)%
	Sodium	7440-23-5	0.00142%
	Thorium	7440-29-1	(0.000000507)%
	Titanium	7440-32-6	(0.00556)%
	Tungsten	7440-33-7	(0.00000201)%
	Vanadium	7440-62-2	0.00000448%
	Zinc	7440-66-6	0.00193%

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
NIST-688	Basalt rock - Constituents	60g	14
	Analyte	CAS Number	Analyte Concentration
	Aluminium oxide	1344-28-1	17.36%
	Chromium	7440-47-3	0.0332%
	Iron(II) oxide	1345-25-1	7.64%
	Lead	7439-92-1	0.00033%
	Manganese(II) oxide	1344-43-0	0.167%
	Phosphorus pentoxide	1314-56-3	0.134%
	Potassium oxide	12136-45-7	0.187%
	Rubidium	7440-17-7	0.000191%
	Silicon dioxide	7631-86-9	48.4%
	Sodium oxide	1313-59-3	2.15%
	Strontium	7440-24-6	0.01692%
	Thorium	7440-29-1	0.000033%
	Titanium dioxide	13463-67-7	1.17%
	Total Iron expressed as Fe ₂ O ₃		10.35%

Product Code	Product Description	Pack size	Number of Analytes
NIST-76A	Burnt Refractory (Al ₂ O ₃ -40%)	75g	12
	Analyte	CAS Number	Analyte Concentration
	Aluminium oxide	1344-28-1	38.7%
	Calcium oxide	1305-78-8	0.22%
	Iron (III) Oxide	1309-37-1	1.6%
	Lithium oxide	12142-77-7	0.042%
	Loss of Ignition		(0.34)%
	Magnesium oxide	1309-48-4	0.52%
	Phosphorus pentoxide	1314-56-3	0.12%
	Potassium oxide	12136-45-7	1.33%
	Silicon dioxide	7631-86-9	54.9%
	Sodium oxide	1313-59-3	0.07%
	Strontium oxide	1314-11-0	0.037%
	Titanium dioxide	13463-67-7	2.03%

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
NIST-77A	Burnt Refractory, (Al ₂ O ₃ -60%)	75g	12
	Analyte	CAS Number	Analyte Concentration
	Aluminium oxide	1344-28-1	60.2%
	Calcium oxide	1305-78-8	0.05%
	Iron (III) Oxide	1309-37-1	1%
	Lithium oxide	12142-77-7	0.025%
	Loss of Ignition		(0.22)%
	Magnesium oxide	1309-48-4	0.38%
	Phosphorus pentoxide	1314-56-3	0.092%
	Potassium oxide	12136-45-7	0.09%
	Silicon dioxide	7631-86-9	35%
	Sodium oxide	1313-59-3	0.037%
	Strontium oxide	1314-11-0	0.009%
	Titanium dioxide	13463-67-7	2.66%

Product Code	Product Description	Pack size	Number of Analytes
NIST-78A	Burnt refractory (Al ₂ O ₃ - 70%) - Constituents	75g	12
	Analyte	CAS Number	Analyte Concentration
	Aluminium oxide	1344-28-1	71.7%
	Calcium oxide	1305-78-8	0.11%
	Iron (III) Oxide	1309-37-1	1.2%
	Lithium oxide	12142-77-7	0.12%
	Loss of Ignition		(0.42)%
	Magnesium oxide	1309-48-4	0.7%
	Phosphorus pentoxide	1314-56-3	1.3%
	Potassium oxide	12136-45-7	1.22%
	Silicon dioxide	7631-86-9	19.4%
	Sodium oxide	1313-59-3	0.078%
	Strontium oxide	1314-11-0	0.25%
	Titanium dioxide	13463-67-7	3.22%

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
NIST-8704	Buffalo river sediment - Metals	50g	25
	Analyte	CAS Number	Analyte Concentration
	Aluminium	7429-90-5	(6.1)%
	Antimony	7440-36-0	(3.07)mg/kg
	Barium	7440-39-3	(413)mg/kg
	Cadmium	7440-43-9	(2.94)mg/kg
	Caesium	7440-46-2	(5.83)mg/kg
	Calcium	7440-70-2	(2.641)%
	Carbon	7440-44-0	(3.351)%
	Cerium	7440-45-1	(66.5)mg/kg
	Chromium	7440-47-3	(121.9)mg/kg
	Cobalt	7440-48-4	(13.57)mg/kg
	Europium	7440-53-1	(1.31)mg/kg
	Hafnium	7440-58-6	(8.4)mg/kg
	Iron	7439-89-6	(3.97)%
	Lead	7439-92-1	(150)mg/kg
	Magnesium	7439-95-4	(1.2)%
	Manganese	7439-96-5	(544)mg/kg
	Nickel	7440-02-0	(42.9)mg/kg
	Potassium	7440-09-7	(2.001)%
	Scandium	7440-20-2	(11.26)mg/kg
Sodium	7440-23-5	(0.553)%	
Thorium	7440-29-1	(9.07)mg/kg	
Titanium	7440-32-6	(0.457)%	
Uranium	7440-61-1	(3.09)mg/kg	
Vanadium	7440-62-2	(94.6)mg/kg	
Zinc	7440-66-6	(408)mg/kg	

Product Code	Product Description	Pack size	Number of Analytes
NIST-97B	Flint clay - Constituent elements	60g	12
	Analyte	CAS Number	Analyte Concentration
	Aluminium	7429-90-5	20.76%
	Calcium	7440-70-2	0.0249%
	Chromium	7440-47-3	0.0227%
	Iron	7439-89-6	0.831%
	Lithium	7439-93-2	0.055%
	Magnesium	7439-95-4	0.113%
	Manganese	7439-96-5	0.0047%
	Potassium	7440-09-7	0.513%
	Silicon	7440-21-3	19.81%
	Sodium	7440-23-5	0.0492%
	Strontium	7440-24-6	0.0084%
	Titanium	7440-32-6	1.43%

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
NIST-RM 8704	Buffalo river sediment - Metals	50g	26
	Analyte	CAS Number	Analyte Concentration
	Aluminium	7429-90-5	(6.1)%
	Antimony	7440-36-0	(0.000307)%
	Arsenic	7440-38-2	(0.0017)%
	Barium	7440-39-3	(0.0413)%
	Cadmium	7440-43-9	(0.000294)%
	Calcium	7440-70-2	(2.641)%
	Carbon	7440-44-0	(3.351)%
	Cerium	7440-45-1	(0.00665)%
	Cesium	7440-46-2	(0.000583)%
	Chromium	7440-47-3	(0.01219)%
	Cobalt	7440-48-4	(0.001357)%
	Europium	7440-53-1	(0.000131)%
	Hafnium	7440-58-6	(0.00084)%
	Iron	7439-89-6	(3.97)%
	Lead	7439-92-1	(0.015)%
	Magnesium	7439-95-4	(1.2)%
	Manganese	7439-96-5	(0.0544)%
	Nickel	7440-02-0	(0.00429)%
	Potassium	7440-09-7	(2.001)%
	Scandium	7440-20-2	(0.001126)%
	Sodium	7440-23-5	(0.553)%
	Thorium	7440-29-1	(0.000907)%
	Titanium	7440-32-6	(0.457)%
	Uranium	7440-61-1	(0.000309)%
	Vanadium	7440-62-2	(0.00946)%
Zinc	7440-66-6	(0.0408)%	

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

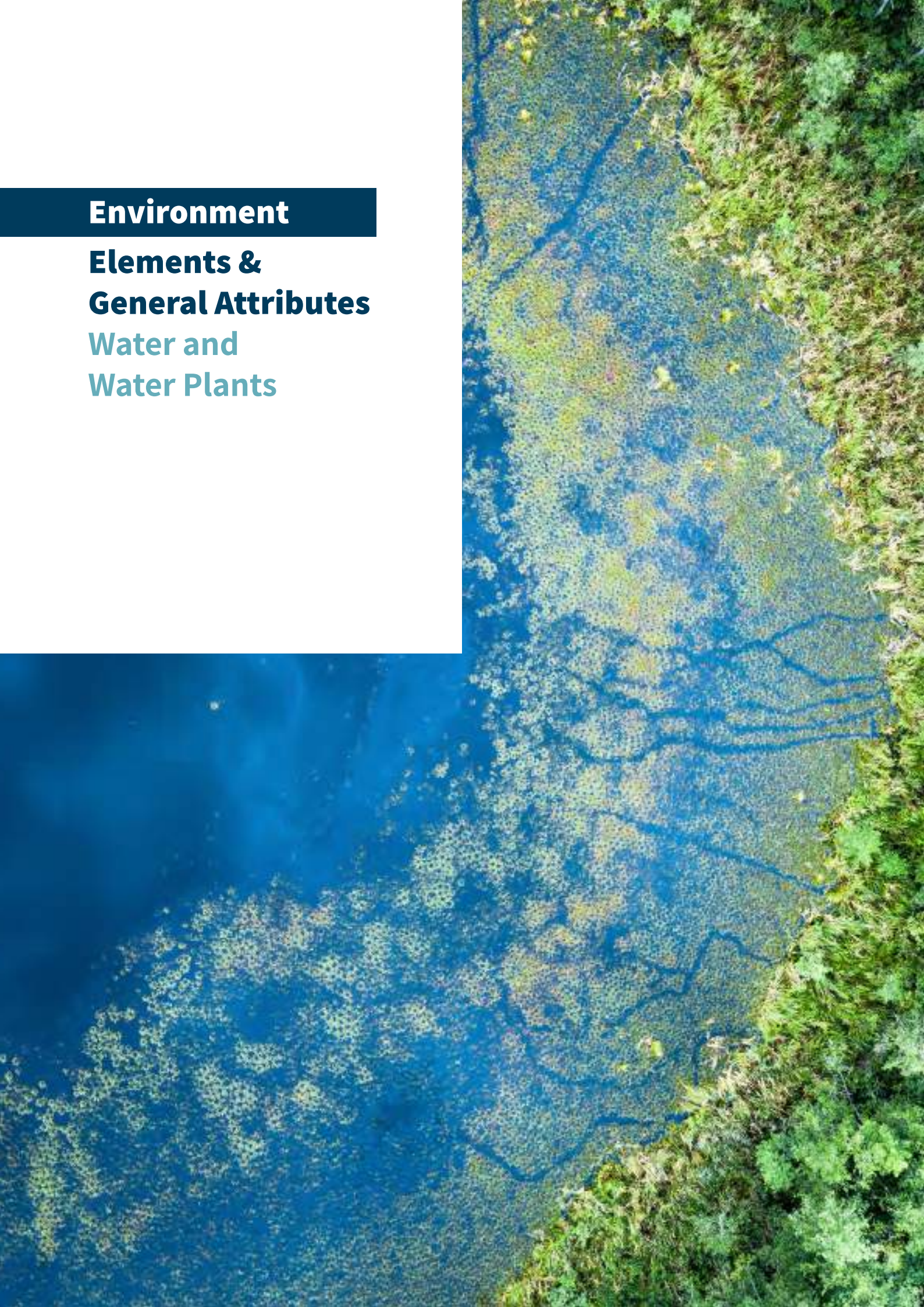
Product Code	Product Description	Pack size	Number of Analytes
LGC6145	Contaminated clay loam soil - Extractable	50g	15
	Analyte	CAS Number	Analyte Concentration
	Arsenic	7440-38-2	38.7mg/kg
	Benzo[b]fluoranthene	205-99-2	(12)mg/kg
	Cadmium	7440-43-9	0.65mg/kg
	Chromium	7440-47-3	47.6mg/kg
	Chrysene	218-01-9	(45)mg/kg
	Copper	7440-50-8	62.2mg/kg
	Indeno[1,2,3-cd]pyrene	193-39-5	(0.97)mg/kg
	Lead	7439-92-1	45.1mg/kg
	Nickel	7440-02-0	39mg/kg
	Phenanthrene	85-01-8	(325)mg/kg
	Selenium	7782-49-2	1.81mg/kg
	Vanadium	7440-62-2	53.9mg/kg
	Water soluble chloride		(65)mg/kg
	Water soluble sulfate		(5.3)g/L
	Zinc	7440-66-6	137mg/kg



Environment

Elements & General Attributes

Water and Water Plants



Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
NWBATTLE-19	River Water Sample - Battleford River, Saskatchewan, Ontario in 2019	500ml	13
	Analyte	CAS Number	Analyte Concentration
	Calcium	7440-70-2	30.6mg/L
	Chloride	16887-00-6	16.8mg/L
	Colour		10.8Hazen
	Conductivity		575µS/cm
	Dissolved Organic Carbon		5.49mg/L
	Magnesium	7439-95-4	17.1mg/L
	pH		8.35
	Potassium	7440-09-7	4.23mg/L
	Silicates		4.16mg/L
	Sodium	7440-23-5	70.7mg/L
	Sulfate (as SO ₄)	14808-79-8	84.4mg/L
	Total hardness		147mg/L
	Total nitrogen		0.361mg/L

Product Code	Product Description	Pack size	Number of Analytes
NWBIGMOOSE-14	Lake Water	500ml	14
	Analyte	CAS Number	Analyte Concentration
	Aluminium	7429-90-5	0.157mg/L
	Ammonia	7664-41-7	0.0496mg/L
	Calcium	7440-70-2	1.42mg/L
	Chloride	16887-00-6	0.352mg/L
	Colour		22.2Hazen
	Dissolved Organic Carbon		4.22mg/L
	Magnesium	7439-95-4	0.224mg/L
	Nitrite and Nitrate		0.267mg/L
	pH		6.13
	Potassium	7440-09-7	0.302mg/L
	Silicon dioxide	7631-86-9	1.57mg/L
	Sodium	7440-23-5	0.669mg/L
	Sulfate	14808-79-8	2.47mg/L
	Total nitrogen		0.443mg/L

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
NWHAMIL-20.3	Lake Water	500ml	12
	Analyte	CAS Number	Analyte Concentration
	Calcium	7440-70-2	58.6mg/L
	Chloride	16887-00-6	119mg/L
	Conductivity		781µS/cm
	Fluoride	16984-48-8	0.273mg/L
	Magnesium	7439-95-4	16.6mg/L
	pH		8.19
	Potassium	7440-09-7	4.92mg/L
	Sodium	7440-23-5	71.6mg/L
	Sulfate	14808-79-8	51mg/L
	Total Alkalinity		146mg/L
	Total hardness		215mg/L
	Total nitrogen		3.15mg/L

Product Code	Product Description	Pack size	Number of Analytes
NWION-96.5	Rain water	500ml	14
	Analyte	CAS Number	Analyte Concentration
	Alkalinity		215 mg/L
	Calcium	7440-70-2	93.2 mg/L
	Chloride	16887-00-6	77.1 mg/L
	Conductivity		817 µS/cm
	Dissolved Organic Carbon		50.1 mg/L
	Fluoride	16984-48-8	0.128 mg/L
	Magnesium	7439-95-4	22.4 mg/L
	Nitrite and Nitrate		3.11 mg/L
	Potassium	7440-09-7	3.05 mg/L
	Silicates		0.349 mg/L
	Sodium	7440-23-5	44.8 mg/L
	Sulfate (as SO4)	14808-79-8	88.7 mg/L
	Total hardness		325 mg/L
	Total nitrogen		3.46 mg/L

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
NWLON-18	Lake Water Sample - Lake Ontario in 20181	500ml	14
	Analyte	CAS Number	Analyte Concentration
	Alkalinity		215mg/L
	Calcium	7440-70-2	93.2mg/L
	Chloride	16887-00-6	77.1mg/L
	Conductivity		817µS/cm
	Dissolved Organic Carbon		50.1mg/L
	Fluoride	16984-48-8	0.128mg/L
	Magnesium	7439-95-4	22.4mg/L
	Nitrite and Nitrate		3.11mg/L
	Potassium	7440-09-7	3.05mg/L
	Silicates		0.349mg/L
	Sodium	7440-23-5	44.8mg/L
	Sulfate (as SO ₄)	14808-79-8	88.7mg/L
	Total hardness		325mg/L
	Total nitrogen		3.46mg/L
	Alkalinity		94.0mg/L
	Calcium	7440-70-2	33.7mg/L
	Chloride	16887-00-6	23.4mg/L
	Conductivity		309µS/cm
	Dissolved Organic Carbon		1.88mg/L
	Magnesium	7439-95-4	8.9mg/L
	Nitrite and Nitrate		0.326mg/L
	pH		8.11
	Potassium	07/09/7440	1.6mg/L
	Silicates 0.758 mg/L		0.758mg/L
	Sodium		14.0mg/L
	Sulfate (as SO ₄)	14808-79-8	23.9mg/L
	Total hardness		121mg/L
	Total nitrogen		0.463mg/L

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
NWMAURI-17	Lake Water Sample	500ml	12
	Analyte	CAS Number	Analyte Concentration
	Alkalinity	not applicable	6.16mg/L
	Calcium	7440-70-2	2.25mg/L
	Chloride	16887-00-6	1.02mg/L
	Conductivity	not applicable	24.2µS/cm
	Dissolved Organic Carbon	not applicable	5.37mg/L
	Magnesium	7439-95-4	0.574mg/L
	Nitrogen	7727-37-9	0.223mg/L
	pH	not applicable	6.88
	Potassium	7440-09-7	0.365mg/L
	Silicon dioxide	7631-86-9	1.91mg/L
	Sodium	7440-23-5	1.55mg/L
	Sulfate	14808-79-8	2.02mg/L

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
NWMISSIPPI-14	River Water		500ml	-xx-x	

Product Code	Product Description	Pack size	Number of Analytes
NWONTARIO-12	Natural lake water - major ions and nutrients	500ml	16
	Analyte	CAS Number	Analyte Concentration
	Boron	7440-42-8	0.025mg/L
	Calcium	7440-70-2	34.2mg/L
	Chloride	16887-00-6	22.8mg/L
	Conductivity	not applicable	308µS/cm
	Dissolved Inorganic Carbon	not applicable	22mg/L
	Dissolved Organic Carbon	not applicable	1.89mg/L
	Fluoride	16984-48-8	0.114mg/L
	Magnesium	7439-95-4	8.76mg/L
	pH	not applicable	8.08
	Potassium	7440-09-7	1.59mg/L
	Silicate	not applicable	0.661mg/L
	Sodium	7440-23-5	13.4mg/L
	Sulfate	14808-79-8	25mg/L
	Total Alkalinity	not applicable	92.9mg/L
	Total hardness	not applicable	122mg/L
	Total nitrogen	not applicable	0.505mg/L

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
NWPERADE-17	River Water	500ml	13
	Analyte	CAS Number	Analyte Concentration
	Alkalinity	not applicable	9.63mg/L
	Calcium	7440-70-2	3.8mg/L
	Chloride	16887-00-6	1.44mg/L
	Conductivity	not applicable	33.6µS/cm
	Dissolved Organic Carbon	not applicable	4.94mg/L
	Magnesium	7439-95-4	0.632mg/L
	Nitrogen	7727-37-9	0.169mg/L
	pH	not applicable	7.09
	Potassium	7440-09-7	0.416mg/L
	Silicon	7440-21-3	2.55mg/L
	Sodium	7440-23-5	1.79mg/L
	Sulfate	14808-79-8	2.43mg/L
	Total nitrogen	not applicable	0.317mg/L



Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
NWTM-24.5	Water - Trace elements	250ml	27
	Analyte	CAS Number	Analyte Concentration
	Aluminium	7429-90-5	33µg/L
	Antimony	7440-36-0	3.44µg/L
	Arsenic	7440-38-2	5.75µg/L
	Barium	7440-39-3	14.9µg/L
	Beryllium	7440-41-7	2.07µg/L
	Boron	7440-42-8	15.8µg/L
	Cadmium	7440-43-9	3.9µg/L
	Chromium	7440-47-3	4.96µg/L
	Cobalt	7440-48-4	5.88µg/L
	Copper	7440-50-8	6.27µg/L
	Iron	7439-89-6	16µg/L
	Lead	7439-92-1	5.3µg/L
	Lithium	7439-93-2	5.01µg/L
	Manganese	7439-96-5	8.46µg/L
	Molybdenum	7439-98-7	6.3µg/L
	Nickel	7440-02-0	4.92µg/L
	Rubidium	7440-17-7	3.67µg/L
	Selenium	7782-49-2	3.61µg/L
	Silver	7440-22-4	7.99µg/L
	Strontium	7440-24-6	115µg/L
	Thallium	7440-28-0	4.08µg/L
	Tin	7440-31-5	3.63µg/L
	Titanium	7440-32-6	7.22µg/L
	Uranium	7440-61-1	4.17µg/L
	Vanadium	7440-62-2	7.14µg/L
	Zinc	7440-66-6	9.9µg/L

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
NWTM-26.5	Trace elements in water	250ml	24
	Analyte	CAS Number	Analyte Concentration
	Aluminium	7429-90-5	72.9µg/L
	Antimony	7440-36-0	2.88µg/L
	Arsenic	7440-38-2	9µg/L
	Barium	7440-39-3	26.7µg/L
	Beryllium	7440-41-7	3.47µg/L
	Bismuth	7440-69-9	2.86µg/L
	Boron	7440-42-8	45.2µg/L
	Cadmium	7440-43-9	7.13µg/L
	Chromium	7440-47-3	12.3µg/L
	Cobalt	7440-48-4	8.15µg/L
	Copper	7440-50-8	14.1µg/L
	Iron	7439-89-6	21.1µg/L
	Lead	7439-92-1	10.1µg/L
	Lithium	7439-93-2	5µg/L
	Manganese	7439-96-5	10.9µg/L
	Molybdenum	7439-98-7	7.87µg/L
	Nickel	7440-02-0	11µg/L
	Selenium	7782-49-2	5.59µg/L
	Strontium	7440-24-6	119µg/L
	Thallium	7440-28-0	5.4µg/L
	Tin	7440-31-5	6.3µg/L
	Titanium	7440-32-6	5.84µg/L
	Uranium	7440-61-1	7.36µg/L
	Vanadium	7440-62-2	13.5µg/L

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
NWTM-35.2	Water - Trace elements	250ml	25
	Analyte	CAS Number	Analyte Concentration
	Aluminium	7429-90-5	47.6µg/L
	Antimony	7440-36-0	1.62µg/L
	Arsenic	7440-38-2	7.06µg/L
	Barium	7440-39-3	15µg/L
	Beryllium	7440-41-7	2.57µg/L
	Bismuth	7440-69-9	2.95µg/L
	Boron	7440-42-8	15.2µg/L
	Cadmium	7440-43-9	8.28µg/L
	Chromium	7440-47-3	6.86µg/L
	Cobalt	7440-48-4	12.8µg/L
	Copper	7440-50-8	11µg/L
	Iron	7439-89-6	17µg/L
	Lead	7439-92-1	14.3µg/L
	Lithium	7439-93-2	3.81µg/L
	Manganese	7439-96-5	14µg/L
	Molybdenum	7439-98-7	6.82µg/L
	Nickel	7440-02-0	9.41µg/L
	Rubidium	7440-17-7	0.735µg/L
	Selenium	7782-49-2	4.92µg/L
	Silver	7440-22-4	3.67µg/L
	Strontium	7440-24-6	139µg/L
	Thallium	7440-28-0	5.93µg/L
	Tin	7440-31-5	3.39µg/L
	Titanium	7440-32-6	5.02µg/L
	Uranium	7440-61-1	5.72µg/L

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
NWTM-9.3	Water - Trace elements	250ml	27
	Analyte	CAS Number	Analyte Concentration
	Aluminum	7429-90-5	33.3ug/L
	Antimony	7440-36-0	4.54ug/L
	Arsenic	7440-38-2	20.8ug/L
	Barium	7440-39-3	56.2ug/L
	Beryllium	7440-41-7	5.99ug/L
	Bismuth	7440-69-9	1.39ug/L
	Boron	7440-42-8	27.3ug/L
	Cadmium	7440-43-9	4.97ug/L
	Chromium	7440-47-3	3.95ug/L
	Cobalt	7440-48-4	2ug/L
	Copper	7440-50-8	32.7ug/L
	Gallium	7440-55-3	2.81ug/L
	Iron	7439-89-6	107ug/L
	Lead	7439-92-1	8.35ug/L
	Lithium	7439-93-2	4.26ug/L
	Manganese	7439-96-5	9.94ug/L
	Molybdenum	7439-98-7	12.7ug/L
	Nickel	7440-02-0	18.7ug/L
	Rubidium	7440-17-7	4.42ug/L
	Selenium	7782-49-2	16.2ug/L
	Strontium	7440-24-6	115ug/L
	Thallium	7440-24-6	1.97ug/L
	Tin	7440-31-5	2.91ug/L
	Titanium	7440-32-6	8.08ug/L
	Uranium	7440-61-1	1.82ug/L
	Vanadium	7440-62-2	3.01ug/L
	Zinc	7440-66-6	50.4ug/L

Product Code	Product Description	Pack size	Number of Analytes
NWTMDA-54.6	Trace Elements Fortified Sample	250ml	25
	Analyte	CAS Number	Analyte Concentration
	Aluminium	7429-90-5	389µg/L
	Arsenic	7440-38-2	45µg/L
	Barium	7440-39-3	324µg/L
	Beryllium	7440-41-7	17.2µg/L
	Boron	7440-42-8	58.2µg/L
	Cadmium	7440-43-9	156µg/L
	Chromium	7440-47-3	421µg/L
	Cobalt	7440-48-4	305µg/L
	Copper	7440-50-8	393µg/L

Continued on next page

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Continued from previous page

Analyte	CAS Number	Analyte Concentration
Gallium	7440-55-3	12.5µg/L
Iron	7439-89-6	367µg/L
Lead	7439-92-1	490µg/L
Lithium	7439-93-2	21.4µg/L
Manganese	7439-96-5	274µg/L
Molybdenum	7439-98-7	292µg/L
Nickel	7440-02-0	323µg/L
Rubidium	7440-17-7	14.1µg/L
Silver	7440-22-4	12.9µg/L
Strontium	7440-24-6	573µg/L
Thallium	7440-28-0	28.2µg/L
Tin	7440-31-5	45.3µg/L
Titanium	7440-32-6	32.8µg/L
Uranium	7440-61-1	56.8µg/L
Vanadium	7440-62-2	340µg/L
Zinc	7440-66-6	540µg/L

Product Code	Product Description	Pack size	Number of Analytes
NWTMDA-62.3	Water - trace elements	250ml	23
	Analyte	CAS Number	Analyte Concentration
	Aluminium	7429-90-5	116µg/L
	Antimony	7440-36-0	59.5µg/L
	Arsenic	7440-38-2	57µg/L
	Barium	7440-39-3	115µg/L
	Beryllium	7440-41-7	54.4µg/L
	Boron	7440-42-8	112µg/L
	Cadmium	7440-43-9	91.6µg/L
	Chromium	7440-47-3	90.8µg/L
	Cobalt	7440-48-4	92.2µg/L
	Copper	7440-50-8	86.8µg/L
	Iron	7439-89-6	113µg/L
	Lead	7439-92-1	93.9µg/L
	Lithium	7439-93-2	57µg/L
	Manganese	7439-96-5	90.9µg/L
	Molybdenum	7439-98-7	98.4µg/L
	Nickel	7440-02-0	92.1µg/L
	Selenium	7782-49-2	52.9µg/L
	Thallium	7440-28-0	50.7µg/L
	Tin	7440-31-5	105µg/L
	Titanium	7440-32-6	57.2µg/L
	Uranium	7440-61-1	54.1µg/L
	Vanadium	7440-62-2	112µg/L
	Zinc	7440-66-6	120µg/L

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
NWTMDA-70.3	Water - Trace elements	250ml	19
	Analyte	CAS Number	Analyte Concentration
	Aluminium	7429-90-5	418µg/L
	Arsenic	7440-38-2	48.4µg/L
	Beryllium	7440-41-7	16.5µg/L
	Barium	7440-39-3	317µg/L
	Bismuth	7440-69-9	12.3µg/L
	Chromium	7440-47-3	389µg/L
	Cobalt	7440-48-4	281µg/L
	Copper	7440-50-8	388µg/L
	Iron	7439-89-6	367µg/L
	Lead	7439-92-1	438µg/L
	Lithium	7439-93-2	22.2µg/L
	Molybdenum	7439-98-7	263µg/L
	Nickel	7440-02-0	326µg/L
	Selenium	7782-49-2	28.5µg/L
	Strontium	7440-24-6	447µg/L
	Thallium	7440-28-0	21.5µg/L
	Uranium	7440-61-1	57.8µg/L
	Vanadium	7440-62-2	315µg/L
	Zinc	7440-66-6	503µg/L



Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
NWTM-DWS.3	Water - Trace elements	250ml	22
	Analyte	CAS Number	Analyte Concentration
	Aluminum	7429-90-5	57ug/L
	Antimony	7440-36-0	3.39ug/L
	Arsenic	7440-38-2	4.75ug/L
	Barium	7440-39-3	146ug/L
	Beryllium	7440-41-7	14.1ug/L
	Boron	7440-42-8	80.2ug/L
	Cadmium	7440-43-9	4.8ug/L
	Chromium	7440-47-3	43.9ug/L
	Cobalt	7440-48-4	51.1ug/L
	Copper	7440-50-8	163ug/L
	Iron	7439-89-6	223ug/L
	Lead	7439-92-1	6.87ug/L
	Lithium	7439-93-2	20ug/L
	Manganese	7439-96-5	47.4ug/L
	Molybdenum	7439-98-7	65.6ug/L
	Nickel	7440-02-0	82.7ug/L
	Selenium	7782-49-2	9.2ug/L
	Strontium	7440-24-6	238ug/L
	Thallium	7440-24-6	8.27ug/L
	Uranium	7440-61-1	14.4ug/L
	Vanadium	7440-62-2	45.1ug/L
	Zinc	7440-66-6	388ug/L



Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
BCR-670	DUCK-WEED (Lemna Minor/aquatic plant) (rare earth elements, Th, U)	10g	30
	Analyte	CAS Number	Analyte Concentration
	Antimony	7440-36-0	(0.0000192-0.0000256)%
	Arsenic	7440-38-2	(0.00198)%
	Cadmium	7440-43-9	(0.00000755)%
	Cerium	7440-45-1	0.000099%
	Cesium	7440-46-2	(0.0000177)%
	Chromium	7440-47-3	(0.000205)%
	Copper	7440-50-8	(0.000182)%
	Dysprosium	7429-91-6	0.0000079%
	Erbium	7440-52-0	0.0000044%
	Europium	7440-53-1	0.00000232%
	Gadolinium	7440-54-2	0.0000098%
	Holmium	7440-60-0	0.00000158%
	Iron	7439-89-6	(0.094-0.101)%
	Lanthanum	7439-91-0	0.0000487%
	Lead	7439-92-1	(0.000206)%
	Lutetium	7439-94-3	0.00000063%
	Molybdenum	7439-98-7	(0.000056)%
	Neodymium	7440-00-8	0.0000473%
	Nickel	7440-02-0	(0.000212-0.000258)%
	Praseodymium	7440-10-0	0.0000121%
	Samarium	7440-19-9	0.0000094%
	Scandium	7440-20-2	0.0000191%
	Selenium	7782-49-2	(0.0000149-0.0000273)%
	Terbium	7440-27-9	0.0000014%
	Thorium	7440-29-1	0.0000159%
	Thulium	7440-30-4	0.00000057%
	Uranium	7440-61-1	0.0000082%
	Ytterbium	7440-64-4	0.000004%
	Yttrium	7440-65-5	0.000046%
	Zinc	7440-66-6	(0.0024)%

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
BCR-479	Fresh water - Nitrate, low level	Nitrate	100ml	14797-55-8	214 - 13.3µmol/kg - mg/kg
BCR-480	Fresh water - Nitrate, high level	Nitrate	100ml	14797-55-8	885 - 54.9µmol/kg - mg/kg

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
BCR-505	Estuarine water - Trace elements	1l	4
	Analyte	CAS Number	Analyte Concentration
	Cadmium	7440-43-9	0.8nmol/kg
	Copper	7440-50-8	29.4nmol/kg
	Nickel	7440-02-0	24.1nmol/kg
	Zinc	7440-66-6	172nmol/kg

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
BCR-579	Coastal sea water - Mercury	Mercury	1l	7439-97-6	1.9ng/kg
BCR-596	Aquatic plant (trapa natans) - Chromium	Chromium	25g	7440-47-3	0.00363%
BCR-611	Ground water - Bromide (low level)	Bromide	4x25ml	24959-67-9	93µg/kg
ERM-AC626	Arsenobetaine In Water	Arsenobetaine	Ampoule	64436-13-1	250mg/kg
ERM-CA400	Seawater (Hg)	ERM-CA400	Set	7439-97-6	16.8ng/L

Product Code	Product Description	Pack size	Number of Analytes
ERM-CA408	SIMULATED RAINWATER (major compounds)	95ml	9
	Analyte	CAS Number	Analyte Concentration
	Ammonium	14798-03-9	0.91mg/L
	Chlorine	7782-50-5	1.96mg/L
	Conductivity	not applicable	18.7µS/cm
	Fluoride	16984-48-8	0.194mg/L
	Magnesium	7439-95-4	0.145mg/L
	Nitrate	14797-55-8	2.01mg/L
	Ortho-phosphate	7558-79-4	1mg/L
	pH	not applicable	6.3
	Sulfate	14808-79-8	1.46mg/L

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
ERM-CA615	Ground water - Trace elements	95ml	7
	Analyte	CAS Number	Analyte Concentration
	Arsenic	7440-38-2	9.9µg/L
	Cadmium	7440-43-9	0.106µg/L
	Iron	7439-89-6	5.11mg/L
	Lead	7439-92-1	7.1µg/L
	Manganese	7439-96-5	107µg/L
	Mercury	7439-97-6	0.037µg/L
	Nickel	7440-02-0	25.3µg/L

Product Code	Product Description	Pack size	Number of Analytes
ERM-CA616	GROUNDWATER (major components, high carbonate content)	95ml	8
	Analyte	CAS Number	Analyte Concentration
	Calcium	7440-70-2	42.6mg/L
	Chlorine	7782-50-5	44.6mg/L
	Conductivity	not applicable	426µS/cm
	Magnesium	7439-95-4	10.1mg/L
	Ortho-phosphate	7558-79-4	2.24mg/L
	pH	not applicable	7.12
	Potassium	7440-09-7	5.79mg/L
	Sodium	7440-23-5	27.9mg/L

Product Code	Product Description	Pack size	Number of Analytes
ERM-CA713	Waste Water – Trace elements	100ml	10
	Analyte	CAS Number	Analyte Concentration
	Arsenic	7440-38-2	10.8µg/L
	Cadmium	7440-43-9	5.09µg/L
	Chromium	7440-47-3	20.9µg/L
	Copper	7440-50-8	101µg/L
	Iron	7439-89-6	445µg/L
	Lead	7439-92-1	49.7µg/L
	Manganese	7439-96-5	95µg/L
	Mercury	7439-97-6	1.84µg/L
	Nickel	7440-02-0	50.3µg/L
	Selenium	7782-49-2	4.9µg/L

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
NIST-1641E	Natural water - Mercury	Mercury	10x10ml	7439-97-6	0.1016ppm

Product Code	Product Description	Pack size	Number of Analytes
NIST-1643F	Trace Elements in Water	250ml	29
	Analyte	CAS Number	Analyte Concentration
	Aluminium	7429-90-5	132.5ppb
	Antimony	7440-36-0	54.9ppb
	Arsenic	7440-38-2	56.85ppb
	Barium	7440-39-3	513.1ppb
	Beryllium	7440-41-7	13.53ppb
	Bismuth	7440-69-9	12.5ppb
	Boron	7440-42-8	150.8ppb
	Cadmium	7440-43-9	5.83ppb
	Calcium	7440-70-2	29140ppb
	Chromium	7440-47-3	18.32ppb
	Cobalt	7440-48-4	25.05ppb
	Copper	7440-50-8	21.44ppb
	Iron	7439-89-6	92.51ppb
	Lead	7439-92-1	18.303ppb
	Lithium	7439-93-2	16.42ppb
	Magnesium	7439-95-4	7380ppb
	Manganese	7439-96-5	36.77ppb
	Molybdenum	7439-98-7	114.2ppb
	Nickel	7440-02-0	59.2ppb
	Potassium	7440-09-7	1913.3ppb
	Rubidium	7440-17-7	12.51ppb
	Selenium	7782-49-2	11.583ppb
	Silver	7440-22-4	0.9606ppb
	Sodium	7440-23-5	18640ppb
	Strontium	7440-24-6	311ppb
	Tellurium	13494-80-9	0.9672ppb
Thallium	7440-28-0	6.823ppb	
Vanadium	7440-62-2	35.71ppb	
Zinc	7440-66-6	73.7ppb	

Product Code	Product Description	Pack size	Number of Analytes
NIST-8537	SLAP - Standard Light Antarctic Precipitation (Water)	20ml	2
	Analyte	CAS Number	Analyte Concentration
	Deuterium	7782-39-0	(428)‰
Oxygen-18	Not applicable	(55.5)‰	

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
NIST-RM 8496	Eucalyptus hardwood bleached kraft pulp - Properties (RM)	10 Sheets	9
	Analyte	CAS Number	Analyte Concentration
	Aluminium	7429-90-5	0.00014%
	Ash		0.1244%
	Calcium	7440-70-2	0.00567%
	Copper	7440-50-8	0.000009%
	Iron	7439-89-6	0.000224%
	Magnesium	7439-95-4	0.00668%
	pH		5.5
	Silicon dioxide	7631-86-9	0.00187%
	Sodium	7440-23-5	0.03957%

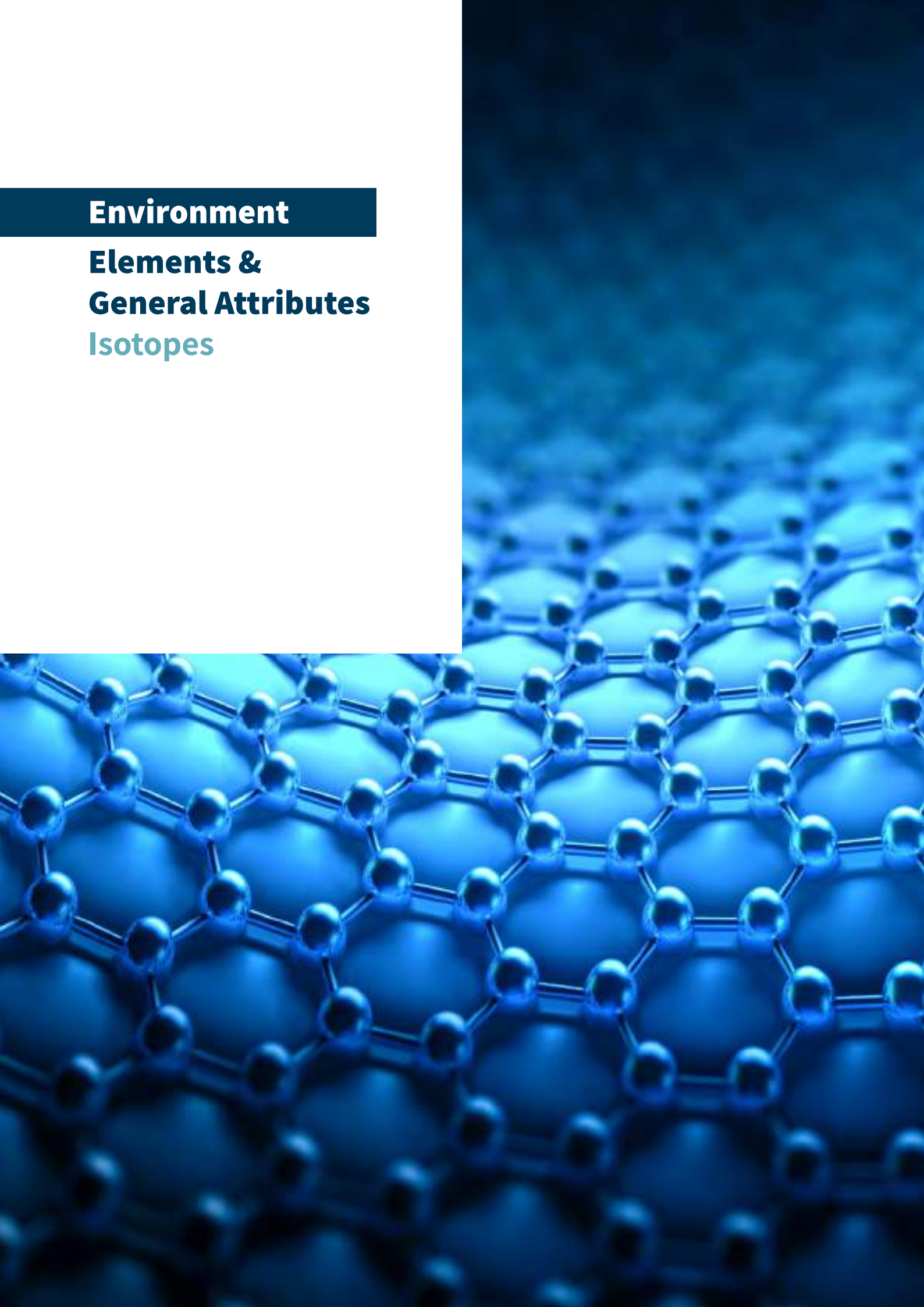
Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
LGC5409	Ethanol / water - 20 mg/100 mL	Ethanol	50ml	64-17-5	20.1mg/100 mL

Product Code	Product Description	Pack size	Number of Analytes
LGC6016	Estuarine water - Trace metals	50ml	10
	Analyte	CAS Number	Analyte Concentration
	Cadmium	7440-43-9	101µg/kg
	Calcium	7440-70-2	(220)mg/L
	Copper	7440-50-8	190µg/kg
	Lead	7439-92-1	196µg/kg
	Magnesium	7439-95-4	(570)mg/L
	Manganese	7439-96-5	976µg/kg
	Nickel	7440-02-0	186µg/kg
	Potassium	7440-09-7	(180)mg/L
	Sodium	7440-23-5	(4700)mg/L
	Zinc	7440-66-6	(55)µg/L

Product Code	Product Description	Pack size	Number of Analytes
LGC6020	River water - Anions	250ml	10
	Analyte	CAS Number	Analyte Concentration
	Chloride	16887-00-6	33.1mg/L
	Chloride	16887-00-6	31.3mg/L
	Fluoride	16984-48-8	0.273mg/L
	Fluoride	16984-48-8	1.248mg/L
	Nitrate (as NO3)	Not applicable	28.2mg/L
	Nitrate (as NO3)	Not applicable	38mg/L
	Sulfate (as SO4)	14808-79-8	82.8mg/L
	Sulfate (as SO4)	14808-79-8	66.2mg/L

Environment

**Elements &
General Attributes**
Isotopes



Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
ERM-AE639	Mercury - Isotopes	Mercury-202	Amp.		11.891µmol/g
ERM-AE640	Mercury - Isotopes	Mercury-202	Amp.		14.71nmol/g
ERM-AE641	CHLORIDE (NATURAL) SPIKE, CHLORIDE SOLUTION	Chlorine-35	4-5ml		18.959µmol/g
ERM-AE642	CHLORIDE-37 SPIKE, CHLORIDE SOLUTION	Chlorine-37	4-5ml		4.375µmol/g
ERM-AE649	THALLIUM (NATURAL) SPIKE, NITRATE SOLUTION	Thallium-205	4-5ml		0.83688µmol/g
ERM-AE701	CALCIUM-41 ISOTOPIC, NITRATE SOLUTION (set of 8 units)	Calcium	8x25ml	7440-70-2	n(⁴¹ Ca)/n(⁴⁰ Ca)

Product Code	Product Description	Pack size	Number of Analytes
ERM-AE671	Methylmercury in 2 % Ethanol/Water solution	5g	7
	Analyte	CAS Number	Analyte Concentration
	mol (CH ₃ (²⁰² Hg)Cl)	g-1 (solution)	15.1 x 10 ⁻⁹
	n(¹⁹⁶ Hg)/n(²⁰² Hg)	0.000	018
	n(¹⁹⁸ Hg)/n(²⁰² Hg) ratio	0.000	62
	n(¹⁹⁹ Hg)/n(²⁰² Hg) ratio	0.001	60
	n(²⁰⁰ Hg)/n(²⁰² Hg) ratio	0.005	50
	n(²⁰¹ Hg)/n(²⁰² Hg) ratio	0.013	4
	n(²⁰⁴ Hg)/n(²⁰² Hg) ratio	0.002	60

Product Code	Product Description	Pack size	Number of Analytes
IRMM-012	Chromium, isotopic, chloride solution	5ml	3
	Analyte	CAS Number	Analyte Concentration
	n(⁵⁰ Cr)/n(⁵² Cr)		0.05186 mol/mol
	n(⁵³ Cr)/n(⁵² Cr)		0.11339 mol/mol
	n(⁵⁴ Cr)/n(⁵² Cr)		0.028220 mol/mol

Product Code	Product Description	Pack size	Number of Analytes
IRMM-615	Lithium-6 - Isotopes	5ml	2
	Analyte	CAS Number	Analyte Concentration
	Lithium 6		94.9426 % m(⁶ Li)/m(Li)
	Lithium 7		5.0574 % m(⁷ Li)/m(Li)

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
NIST-975A	Sodium chloride - Isotopic composition	250mg	2
	Analyte	CAS Number	Analyte Concentration
	Chlorine-35		75.774%
	Chlorine-37		24.226%

Product Code	Product Description	Pack size	Number of Analytes
NIST-977	Bromine (Isotopic)	250mg	2
	Analyte	CAS Number	Analyte Concentration
	Bromine-79		50.686%
	Bromine-81		49.314%

Product Code	Product Description	Pack size	Number of Analytes
NIST-978A	Silver (Isotopic)	250mg	2
	Analyte	CAS Number	Analyte Concentration
	Silver-107		51.8392%
	Silver-109		48.1608%

Product Code	Product Description	Pack size	Number of Analytes
NIST-979	Chromium nitrate - Isotopic composition	250mg	4
	Analyte	CAS Number	Analyte Concentration
	Chromium 50		4.345%
	Chromium-52		83.789%
	Chromium-53		9.501%
	Chromium-54		2.365%

Product Code	Product Description	Pack size	Number of Analytes
NIST-980	Magnesium (Isotopic)	250mg	3
	Analyte	CAS Number	Analyte Concentration
	Magnesium-24		78.992%
	Magnesium-25		10.003%
	Magnesium-26		11.005%

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
NIST-981	Lead metal, natural - Isotopic composition	1g	4
	Analyte	CAS Number	Analyte Concentration
	Lead-204		1.4255%
	Lead-206		24.1442%
	Lead-207		22.0833%
	Lead-208		52.347%

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
NIST-984	Rubidium Assay (Isotopic)	Rubidium chloride	250mg	7791-11-9	99.9%

Product Code	Product Description	Pack size	Number of Analytes
NIST-987	Strontium carbonate - Assay/isotopic composition	1g	4
	Analyte	CAS Number	Analyte Concentration
	Strontium-84		0.5574%
	Strontium-86		9.8566%
	Strontium-87		7.0015%
	Strontium-88		82.5845%

Product Code	Product Description	Pack size	Number of Analytes
NIST-994	Gallium (Isotopic)	250mg	2
	Analyte	CAS Number	Analyte Concentration
	Gallium-69		60.1079%
	Gallium-71		39.8921%

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
NIST-4251D	Barium-133 Radioactivity Standard	Barium-133	5ml		382.6kBq/g
NIST-4328C	Thorium-229 Radioactivity Standard	Thorium-229	5ml		35.29Bq/g
NIST-4361C	Hydrogen-3 Radioactivity Standard	Hydrogen-3	500ml		2.009Bq/g
NIST-4417L	Indium-111 Radioactivity Standard	Indium-111	5ml		9.115MBq/g

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
NIST-8536	GISP—Greenland Ice Sheet Precipitation (Hydrogen and Oxygen Isotopes in Water)	250mg	2
	Analyte	CAS Number	Analyte Concentration
	Deuterium	7782-39-0	(189.5)‰
	Oxygen-18		(24.78)‰

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
NIST-8541	USGS24 Graphite (Carbon Isotopes in Graphite)	Carbon-13	0.8g	14762-74-4	(16.05)‰
NIST-8548	IAEA-N-2 (Nitrogen Isotopes in Ammonium Sulfate)	Nitrogen-15	0.4g		20.41‰
NIST-8550	USGS25 (Nitrogen Isotopes in Ammonium Sulfate)	Nitrogen-15	0.5g		(30.41)‰
NIST-8552	NSVEC (Nitrogen Isotopes in Gaseous Nitrogen)	Nitrogen-15	Each		(2.78)‰
NIST-8553	IAEA-S-4 (Soufre de Lacq) (Sulfur Isotopes in Elemental Sulfur)	Sulfur-34	0.5g		16.86‰
NIST-8555	IAEA-S-2 (Sulfur Isotopes in Silver Sulfide)	Sulfur-34	0.5g		22.62‰

Product Code	Product Description	Pack size	Number of Analytes
NIST-8557	NBS127 (Sulfur and Oxygen Isotopes in Barium Sulfate)	0.5g	2
	Analyte	CAS Number	Analyte Concentration
	Oxygen-18		8.59‰
	Sulfur-34		21.17‰

Product Code	Product Description	Pack size	Number of Analytes
NIST-8558	USGS32 Nitrogen and Oxygen Isotopes in Nitrate	0.9g	3
	Analyte	CAS Number	Analyte Concentration
	Nitrogen-15		180‰
	Oxygen-17		n.d.‰
	Oxygen-18		25.7‰

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
NIST-8562	CO ₂ -13C-enriched, Paleomarine Origin (Carbon Dioxide)	Set (2)	2
	Analyte	CAS Number	Analyte Concentration
	Carbon-13	14762-74-4	(3.72)‰
	Oxygen-18		(8.43)‰

Product Code	Product Description	Pack size	Number of Analytes
NIST-8563	CO ₂ -13C-depleted, Petrochemical Origin (Carbon Dioxide)	Set (2)	2
	Analyte	CAS Number	Analyte Concentration
	Carbon-13	14762-74-4	(41.59)‰
	Oxygen-18		(23.61)‰

Product Code	Product Description	Pack size	Number of Analytes
NIST-8568	Nitrogen and Oxygen Isotopes in Nitrate (USGS34)	0.9g	3
	Analyte	CAS Number	Analyte Concentration
	Nitrogen-15		(1.8)‰
	Oxygen-17		(0.1)‰
	Oxygen-18		(27.9)‰

Product Code	Product Description	Pack size	Number of Analytes
NIST-8569	Nitrogen and Oxygen Isotopes in Nitrate (USGS35)	0.9g	3
	Analyte	CAS Number	Analyte Concentration
	Nitrogen-15		2.7‰
	Oxygen-17		21.6‰
	Oxygen-18		57.5‰

Product Code	Product Description	Pack size	Number of Analytes
NIST-8610	Mercury Isotopes in UM-Almaden Mono-Elemental Secondary Standard	4x5ml	5
	Analyte	CAS Number	Analyte Concentration
	Mercury-199		-0.17‰
	Mercury-200		-0.27‰
	Mercury-201		-0.46‰
	Mercury-202		-0.56‰
	Mercury-204		-0.82‰

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Pack size	Number of Analytes
LGC171-KT	Glycine Solutions - Absolute carbon isotope ratio	3x2ml	3
	Analyte	CAS Number	Analyte Concentration
	lgc1711	ratio $n(^{13}\text{C})/n(^{12}\text{C})$	0.010642
	lgc1712	ratio $n(^{13}\text{C})/n(^{12}\text{C})$	0.010821
	lgc1713	ratio $n(^{13}\text{C})/n(^{12}\text{C})$	0.01127



Environment

Gas Standards



Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
NIST-1658A	Methane in Air, 1 umol/mol	Methane	Cylinder	74-82-8	0.0001079%
NIST-1662A	SO2/N2 1000 umol/mol	Sulfur dioxide	Cylinder	7446-09-5	977ppm
NIST-1663A	SO2/N2 1500 umol/mol	Sulfur dioxide	Cylinder	7446-09-5	1474.4ppm
NIST-1665B	Propane in Air (Nominal Amount-of-Substance Fraction 3 µmol/mol)	N-Propane	6L	74-98-6	3µmol/mol
NIST-1667B	Propane in Air	N-Propane	Cylinder	74-98-6	0.004961%
NIST-1668B	Propane in air	N-Propane	Cylinder	74-98-6	0.009868%
NIST-1669B	Propane in Air (Nominal Amount-of-Substance Fraction 500 µmol/mol)	N-Propane	ea each	74-98-6	496.7µmol/mol
NIST-1674B	Carbon Dioxide in Nitrogen (Nominal Amount-of-Substance Fraction 7 % mol/mol)	Carbon Dioxide	6L	124-38-9	7%
NIST-1677C	Carbon Monoxide in Nitrogen (Nominal 10 umol/mol)	Carbon Monoxide	6L	630-08-0	9.893µmol/mol
NIST-1678C	Carbon Monoxide in Nitrogen (Nominal 50 umol/mol)	Carbon Monoxide	Cylinder	630-08-0	49.136ppm
NIST-1680B	Carbon Monoxide in Nitrogen (Nominal 500 umol/mol)	Carbon Monoxide	Cylinder	630-08-0	0.04948%
NIST-1685B	NO/N2 250 UMOL/MOL	Nitric Oxide	Cylinder	10102-43-9	0.02515%
NIST-1687B	Nitric Oxide in Nitrogen (Nominal Amount-of-Substance Fraction 1000 µmol/mol)	Nitric Oxide	6L	10102-43-9	996.7µmol/mol
NIST-2614A	Carbon Monoxide in Air (Nominal 45 umol/mol)	Carbon Monoxide	Cylinder	630-08-0	0.004401%
NIST-2617	Carbon Dioxide in Nitrogen (Nominal Amount-of-Substance Fraction 500 µmol/mol)	Carbon Dioxide	6L	124-38-9	0.04963%
NIST-2619A	Carbon Dioxide in Nitrogen .5% mol/mol	Carbon Dioxide	Cylinder	124-38-9	0.4969%
NIST-2620A	Carbon Dioxide in Nitrogen (Nominal Amount-of-Substance Fraction 1 % mol/mol)	Carbon Dioxide	6L	124-38-9	0.9955%
NIST-2621A	Carbon Dioxide in Nitrogen 1.5% mol/mol	Carbon Dioxide	Cylinder	124-38-9	1.4594%
NIST-2622A	Carbon Dioxide in Nitrogen 2.0 2.0% mol/mol	Carbon Dioxide	Cylinder	124-38-9	1.9868%
NIST-2627A	NO/N2 5 umol/mol	Nitric Oxide	Cylinder	10102-43-9	
NIST-2630	NO/N2 1500 umol/mol	Nitric Oxide	Cylinder	10102-43-9	0.1469%
NIST-2635A	Carbon Monoxide in Nitrogen (Nominal 25 umol/mol)	Carbon Monoxide	Cylinder	630-08-0	0.0024512%
NIST-2638A	Carbon Monoxide in Nitrogen (Nominal Amount-of-Substance Fraction 5000 µmol/mol)	Carbon Monoxide	6L	630-08-0	4957.9µmol/mol
NIST-2641A	CO/N2 4 % mol/mol	Carbon Monoxide	Cylinder	630-08-0	4.009%
NIST-2647A	Propane in Nitrogen (Nominal Amount-of-Substance Fraction 2500 µmol/mol)	N-Propane	6L	74-98-6	2482µmol/mol
NIST-2659A	O2/N2, 21 % mol/mol	Oxygen	Cylinder	7782-44-7	20.863%
NIST-2740A	CO/N2, 10 % mol/mol	Carbon Monoxide	Cylinder	630-08-0	9.846%
NIST-2741A	CO/N2, 13 % MOL/MOL	Carbon Monoxide	Cylinder	630-08-0	12.969%
NIST-2750	CH4/Air 50 umol/mol	Methane	Cylinder	74-82-8	0.004848%

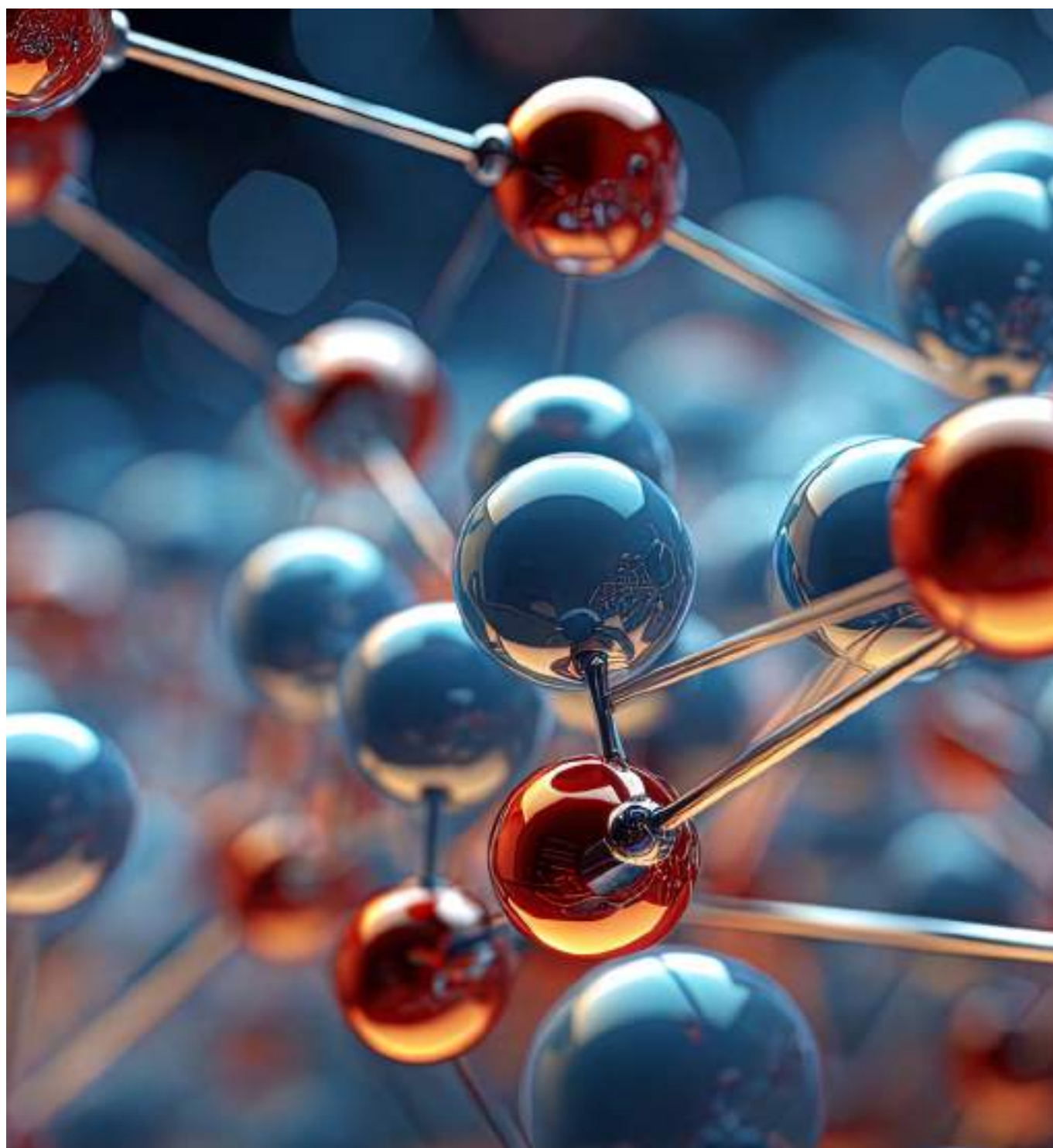
Environment
Physical



Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Environment

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
BCR-165	LATEX SPHERES (particle diameter 2 microns)	Average particle diameter	2ml		2.223 μ m
BCR-166	LATEX SPHERES (particle diameter 4.8 microns)	Average particle diameter	2ml		4.821 μ m
BCR-167	LATEX SPHERES (particle diameter 9.6 microns)	Average particle diameter	2ml		9.475 μ m
NIST-1082	Cigarette ignition strength standard		10pack	Not applicable	15.8%
NIST-8632A	Ultra Fine Test Dust (UFTD)	Average particle diameter	20g	Not applicable	distribution from 2 to 15 μ m



Food, Feed and Beverages Composition



Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
BCR-465	Rice flour - Amylose (low level)	Amylose	10mg	9005-82-7	15.4g/100g
BCR-466	Rice flour - Amylose (medium level)	Amylose	10mg	9005-82-7	23.1g/100g
BCR-467	Rice flour - Amylose (high level)	Amylose	10mg	9005-82-7	27.7g/100g

Product Code	Product Description	Pack size	Number of Analytes
BCR-633	Anhydrous butter fat - Tracers	Amp	4
	Analyte	CAS Number	Analyte Concentration
	beta-Apo-8'-carotenic acid ethyl ester	1109-11-1	26.5mg/kg
	beta-Sitosterol	83-46-5	530mg/kg
	n-Heptanoic acid triglyceride		10.6g/kg
	Stigmasterol	83-48-7	147mg/kg

Product Code	Product Description	Pack size	Number of Analytes
BCR-644	Artificial foodstuff - Free sugars and starch/glucose	50g	4
	Analyte	CAS Number	Analyte Concentration
	Fructose		16.2g/100g
	Glucose		35.1g/100g
	Lactose	63-42-3	15.85g/100g
	Sucrose	57-50-1	10.81g/100g

Product Code	Product Description	Pack size	Number of Analytes
BCR-645	Artificial foodstuff - Free sugars and starch/glucose	50g	3
	Analyte	CAS Number	Analyte Concentration
	Glucose		25.2g/100g
	Lactose	63-42-3	27.8g/100g
	Sucrose	57-50-1	26.2g/100g

Product Code	Product Description	Pack size	Number of Analytes
BCR-685	Skimmed milk powder - Major nutrients	50g	2
	Analyte	CAS Number	Analyte Concentration
	Crude protein		38.2g/100g
	Fat		0.96g/100g

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
ERM-BC190	RAPESEED (S, total glucosinolate, medium level)	Total glucosinolate	20g		23mmol/kg
ERM-BC366	RAPESEED (colza) (S, total glucosinolate, low level)	Total glucosinolate	20g		11.9mmol/kg
ERM-BC367	RAPESEED (colza) (S, total glucosinolate, high level)	Total glucosinolate	20g		99mmol/kg

Product Code	Product Description	Pack size	Number of Analytes
ERM-BC381	RYE FLOUR (major nutrients)	Vial	8
	Analyte	CAS Number	Analyte Concentration
	Ash		1.08%
	Calcium	7440-70-2	0.32g/kg
	Fat		1.36%
	Magnesium	7439-95-4	0.567g/kg
	Nitrogen	7727-37-9	1.562%
	Phosphorus	7723-14-0	2.01g/kg
	Potassium	7440-09-7	3.35g/kg
	Starch	9005-25-8	72.2%

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
ERM-BC514	HARICOTS BEANS (dietary fibre)	Dietary Fibre	25g		256 - 198 - 237 - 259 - 201g/kg
ERM-BC515	CARROT (dietary fibre)	Dietary Fibre	25g		311 - 271 - 298 - 295 - 252g/kg
ERM-BC516	APPLE (dietary fibre)	Dietary Fibre	25g		164 - 137 - 162 - 149 - 134g/kg
ERM-BC517	FULL FAT SOYA (dietary fibre)	Dietary Fibre	25g		126 - 119 - 128 - 124 - 123g/kg
ERM-BD518	Bran breakfast cereal - Dietary fibre	Dietary Fibre	25g		302 - 241 - 276 - 305 - 250g/kg

Product Code	Product Description	Pack size	Number of Analytes
MUVA-BR-1007	Tinned Sausage (calf liver sausage)	125g	8
	Analyte	CAS Number	Analyte Concentration
	Ash		2.3g/100g
	Chloride	16887-00-6	1093mg/100g
	Fat		35.12g/100g
	Hydroxyproline		0.24g/100g
	Protein		13.98g/100g
	Sodium chloride	7647-14-5	1.8g/100g
	Starch	9005-25-8	72.2%
	Water content		46.97g/100g

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
MUVA-BR-1008	Tinned Sausage (Lyoner)	125g	8
	Analyte	CAS Number	Analyte Concentration
	Ash		2.59g/100g
	Chloride	16887-00-6	1119mg/100g
	Fat		23.82g/100g
	Hydroxyproline		0.22g/100g
	Protein		12.78g/100g
	Sodium chloride	7647-14-5	1.84g/100g
	Water content		60.79g/100g

Product Code	Product Description	Pack size	Number of Analytes
MUVA-BU-1314	Sweet Cream Butter salted	250g	7
	Analyte	CAS Number	Analyte Concentration
	Butyric acid methyl ester	623-42-7	3.86%
	Chloride	16887-00-6	823mg/100g
	Cholesterol	57-88-5	2276mg/kg
	pH		6.5
	Sodium chloride	7647-14-5	1.36%
	Solids-not-fat (SNF)		2.76%
	Water	7732-18-5	16.26%

Product Code	Product Description	Pack size	Number of Analytes
MUVA-BU-1315	Sweet Cream Butter	250g	7
	Analyte	CAS Number	Analyte Concentration
	Butyric acid methyl ester	623-42-7	3.83g/100g
	Cholesterol	57-88-5	2160mg/kg
	pH value		6.75
	Solids-not-fat (SNF)		1.58g/100g
	Water	7732-18-5	15.64g/100g

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
MUVA-BU-1316	Sweet cream butter salted	250g	7
	Analyte	CAS Number	Analyte Concentration
	Butyric acid methyl ester	623-42-7	3.66g/100g
	Chloride	16887-00-6	711mg/100g
	Cholesterol	57-88-5	2204mg/kg
	pH value		6.51
	Sodium	7440-23-5	463mg/100g
	Sodium chloride	7647-14-5	1.17g/100g
	Solids non-fat		2.43g/100g
	Water	7732-18-5	15.88g/100g

Product Code	Product Description	Pack size	Number of Analytes
MUVA-BU-1317	Mild acid butter	250g	7
	Analyte	CAS Number	Analyte Concentration
	Butyric acid methyl ester	623-42-7	3.78g/100g
	Cholesterol	57-88-5	2280mg/kg
	pH value		6.21
	Solids non-fat		1.33g/100g
	Water	7732-18-5	15.53g/100g

Product Code	Product Description	Pack size	Number of Analytes
MUVA-CA-0908	Sodium-caseinate	80g	5
	Analyte	CAS Number	Analyte Concentration
	Ash		3.48g/100g
	Fat		0.8g/100g
	Lactose Monohydrate	64044-51-5	0.07g/100g
	Protein		91.09g/100g
	Water	7732-18-5	5.43g/100g

Product Code	Product Description	Pack size	Number of Analytes
MUVA-FK-1232	Cream cheese 30 % f.i.d.m	200g	8
	Analyte	CAS Number	Analyte Concentration
	Chloride	16887-00-6	451mg/100g
	Dry matter		25.94g/100g
	Fat	13.72g/100g	91.09g/100g
	Lactic acid		451mg/100g
	Lactose Monohydrate	64044-51-5	2.9g/100g
	pH value	4.55	3.48g/100g
	Protein	6.88g/100g	5.43g/100g
	Sodium chloride	7647-14-5	0.74g/100g

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
MUVA-FK-1234	Cream cheese 50 % f.i.d.m	300g	8
	Analyte	CAS Number	Analyte Concentration
	Chloride	16887-00-6	
	DL-Lactic Acid	50-21-5	
	Dry matter		3.66g/100g
	Fat		6.51
	Lactose Monohydrate	64044-51-5	
	pH value		463mg/100g
	Protein		711mg/100g
	Sodium chloride	7647-14-5	

Product Code	Product Description	Pack size	Number of Analytes
MUVA-FM-2107	Fatty acid distribution (Milk powder, spray dried)	80g	2
	Analyte	CAS Number	Analyte Concentration
	Arachidic acid	506-30-9	0.14g/100g
	Linolenic Acid	463-40-1	0.62g/100g

Product Code	Product Description	Pack size	Number of Analytes
MUVA-FS-1919	Apple Juice	150ml	2
	Analyte	CAS Number	Analyte Concentration
	Ethanol	64-17-5	70.2mmol H+/L
	Fructose		64.23g/L
	Glucose		22.11g/L
	pH		3.66
	Soluble solids		12.2°Brix
	Titratable acidity		70.2mmol H+/L

Product Code	Product Description	Pack size	Number of Analytes
MUVA-HA-1515	Hard cheese - Type Emmentaler	100g 100 g	7
	Analyte	CAS Number	Analyte Concentration
	Chloride	16887-00-6	376mg/100g
	Dry matter	63.69g/100g	2280mg/kg
	Fat	28.34g/100g	6.21
	pH	5.52	3.78g/100g
	Protein	28.92g/100g	15.53g/100g
	Sodium	7440-23-5	233mg/100g
	Sodium chloride	7647-14-5	0.62g/100g

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
MUVA-HAP-2505	Hard cheese (freeze dried)	Alkaline phosphatase activity	5g		434mU/g

Product Code	Product Description	Pack size	Number of Analytes
MUVA-JO-1427	Yoghurt 1.8% Fat	500g	13
	Analyte	CAS Number	Analyte Concentration
	DL-Lactic Acid	50-21-5	978mg/100g
	DL-Lactic Acid	50-21-5	1147mg/100g
	Dry matter		11.81g/100g
	Dry matter		12.79g/100g
	Dry matter		15.61g/100g
	Fat		1.81g/100g
	Fat		1.82g/100g
	Fat		3.96g/100g
	pH		4.24
	pH value		4.1
	Protein		4.72g/100g
	Protein		4.7g/100g
	Protein		4.52g/100g

Product Code	Product Description	Pack size	Number of Analytes
MUVA-KI-1108	Carbohydrates / vitamins - Infant food (powder)	80g	7
	Analyte	CAS Number	Analyte Concentration
	Alpha Tocopherol	10191-41-0	5.42mg/100g
	Fructose		2.02g/100g
	Glucose		1.17g/100g
	Lactose Monohydrate	64044-51-5	22.75g/100g
	L-Ascorbic Acid	50-81-7	40.4mg/100g
	Sucrose	57-50-1	0.65g/100g
	Vitamin A		540µg/100g

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
MUVA-KI-1109	Carbohydrates / vitamins - Infant food (powder)	80g	7
	Analyte	CAS Number	Analyte Concentration
	Alpha Tocopherol	10191-41-0	5.56mg/100g
	Fructose		1.52g/100g
	Glucose		1.24g/100g
	Lactose Monohydrate	64044-51-5	23.46g/100g
	L-Ascorbic Acid	50-81-7	42.1mg/100g
	Sucrose	57-50-1	0.99g/100g
	Vitamin A		568µg/100g

Product Code	Product Description	Pack size	Number of Analytes
MUVA-KM-0517	Evaporated Milk 8 % fat	170g	5
	Analyte	CAS Number	Analyte Concentration
	Ash		1.3g/100g
	Dry matter		25.88g/100g
	Fat		8.12g/100g
	Phosphorus	7723-14-0	1644mg/kg
	Protein		6.12g/100g

Product Code	Product Description	Pack size	Number of Analytes
MUVA-KM-0519	Evaporated Milk 4% Fat	170g	5
	Analyte	CAS Number	Analyte Concentration
	Ash		1.49g/100g
	Dry matter		24.31g/100g
	Fat		7.09g/100g
	Phosphorus	7723-14-0	2050mg/kg
	Protein		4.09g/100g

Product Code	Product Description	Pack size	Number of Analytes
MUVA-KM-0520	Evaporated milk 8 % Fat	170g	5
	Analyte	CAS Number	Analyte Concentration
	Ash		1.3g/100g
	Dry matter		25.88g/100g
	Fat		8.12g/100g
	Phosphorus	7723-14-0	1644mg/kg
	Protein		6.12g/100g

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
MUVA-MO-0616	Whey Powder	80g	10
	Analyte	CAS Number	Analyte Concentration
	Ash		6.34g/100g
	Calcium	7440-70-2	5011mg/kg
	Dry matter		96.01g/100g
	Fat		2.59g/100g
	Lactic acid		309.7mg/100g
	Lactose Monohydrate	64044-51-5	49.5g/100g
	Magnesium	7439-95-4	970mg/kg
	Nitrate	14797-55-8	19.2mg/kg
	Non-protein Nitrogen		3.11g/100g
	Protein		35.51g/100g

Product Code	Product Description	Pack size	Number of Analytes
MUVA-MO-0617	Whey Powder	80g	10
	Analyte	CAS Number	Analyte Concentration
	Ash		7.64g/100g
	Calcium	7440-70-2	5122g/100g
	Dry matter		98.55g/100g
	Fat		0.78g/100g
	Lactose Monohydrate	64044-51-5	72.45g/100g
	Magnesium	7439-95-4	1176g/100g
	Nitrate	14797-55-8	35.5g/100g
	Non-protein Nitrogen		2.97g/100g
	Protein		12.67g/100g
	Total Lactic Acid		392.5g/100g

Product Code	Product Description	Pack size	Number of Analytes
MUVA-MP-0219	Skimmed milk powder spray dried	80g	5
	Analyte	CAS Number	Analyte Concentration
	Ash		7.86g/100g
	Dry matter		96.45g/100g
	Fat		0.73g/100g
	Lactose	63-42-3	52.42g/100g
	Protein		35.12g/100g

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
MUVA-MP-0220	Skimmed milk powder, spray dried, lactose-free Best before: 06/2026	80g	5
	Analyte	CAS Number	Analyte Concentration
	Ash		7.66%
	Fat		1.26%
	Lactose Monohydrate	64044-51-5	0.049%
	pH		1.26%
	Protein		35.75%

Product Code	Product Description	Pack size	Number of Analytes
MUVA-MP-0221	Whole milk powder, roller dried	80g	6
	Analyte	CAS Number	Analyte Concentration
	Ash		5.92g/100g
	Dry matter		97.22g/100g
	Fat		25.75g/100g
	Free fat		20.07g/100g
	Lactose Monohydrate	64044-51-5	40.55g/100g
	Protein		24.22g/100g

Product Code	Product Description	Pack size	Number of Analytes
MUVA-MP-0222	Milk powder, spray dried, fat reduced	80g	6
	Analyte	CAS Number	Analyte Concentration
	Ash		6.77g/100g
	Dry matter		96.27g/100g
	Fat		13.36g/100g
	Free fat		3.83g/100g
	Lactose Monohydrate	64044-51-5	45.12g/100g
	Protein		30.97g/100g

Product Code	Product Description	Pack size	Number of Analytes
MUVA-MP-0223	Whole milk powder spray dried	80g	6
	Analyte	CAS Number	Analyte Concentration
	Ash		5.66g/100g
	Dry matter		96.79g/100g
	Fat		26.38g/100g
	Lactose Monohydrate	64044-51-5	37.36g/100g
	pH		6.66
	Protein		27.1g/100g

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
MUVA-MP-0224	Cream powder, roller dried	80g	6
	Analyte	CAS Number	Analyte Concentration
	Ash		4.43g/100g
	Dry matter		98.1g/100g
	Fat		42.25g/100g
	Lactose Monohydrate	64044-51-5	30.92g/100g
	pH		6.69
	Protein		19.26g/100g

Product Code	Product Description	Pack size	Number of Analytes
MUVA-MPK-0907	Whey Protein Concentrate	80g	5
	Analyte	CAS Number	Analyte Concentration
	Ash		3.19g/100g
	Fat		5.8g/100g
	Lactose Monohydrate	64044-51-5	6.45g/100g
	Protein		77.54g/100g
	Water	7732-18-5	4.47g/100g

Product Code	Product Description	Pack size	Number of Analytes
MUVA-PM-2901	Base Milk for powder production (shock frozen)	40ml	5
	Analyte	CAS Number	Analyte Concentration
	Dry matter		13g/100g
	Fat		3.508g/100g
	Lactose Monohydrate	64044-51-5	5.361g/100g
	pH value		6.68
	Protein		3.341g/100g

Product Code	Product Description	Pack size	Number of Analytes
MUVA-R-441	UHT Cream 30% fat	160g	3
	Analyte	CAS Number	Analyte Concentration
	Dry matter		37.05g/100g
	Fat		30.35g/100g
	Protein		2.44g/100g

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
MUVA-R-0445	UHT Cream 30% fat	160g	3
	Analyte	CAS Number	Analyte Concentration
	Dry matter		36.45g/100g
	Fat		30.24g/100g
	Protein		2.38g/100g

Product Code	Product Description	Pack size	Number of Analytes
MUVA-R-0446	UHT Cream 36 % Fat	14g	3
	Analyte	CAS Number	Analyte Concentration
	Dry matter		41.01g/100g
	Fat		35.26g/100g
	Protein		2.23g/100g

Product Code	Product Description	Pack size	Number of Analytes
MUVA-S-0819	Nougat	100g	5
	Analyte	CAS Number	Analyte Concentration
	Dry matter		99.65g/100g
	Fat		35.46g/100g
	Lactose Monohydrate	64044-51-5	0.36g/100g
	Sucrose	57-50-1	49.01g/100g
	Theobromine	83-67-0	788mg/kg

Product Code	Product Description	Pack size	Number of Analytes
MUVA-SK-0321	Processed Cheese 45% f.i.d.m	250g	10
	Analyte	CAS Number	Analyte Concentration
	Ash		3.91g/100g
	Chloride	16887-00-6	512mg/100g
	Citronic acid	498-24-8	70.5mg/100g
	Dry matter		35.27g/100g
	Fat		13.22g/100g
	Lactose Monohydrate	64044-51-5	0.48g/100g
	pH value		5.61
	Protein		16.31g/100g
	Sodium	7440-23-5	888mg/100g
	Sodium chloride	7647-14-5	0.84g/100g

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
MUVA-SK-0322	Processed cheese 40 % f.i.d.m	250g	11
	Analyte	CAS Number	Analyte Concentration
	Ash		3.96g/100g
	Chloride	16887-00-6	476mg/100g
	Citronic acid	498-24-8	118mg/100g
	Dry matter		41.79g/100g
	Fat		19.1g/100g
	Lactose Monohydrate	64044-51-5	0.78g/100g
	pH		5.67
	Protein		16.65g/100g
	Sodium	7440-23-5	903mg/100g
	Sodium chloride	7647-14-5	0.78g/100g
	Total Phosphorus		0.86g/100g

Product Code	Product Description	Pack size	Number of Analytes
MUVA-VM-3101	Plant drink (Oats)	40ml	6
	Analyte	CAS Number	Analyte Concentration
	Dry matter		10.83
	Dry matter		2.05
	Fat		0.98
	Fat		3.39
	Protein		1.29
	Protein		7.54

Product Code	Product Description	Pack size	Number of Analytes
MUVA-VS-3001	Chickpea base	100g	4
	Analyte	CAS Number	Analyte Concentration
	Ash		0.81g/L
	Dry matter		30.56g/L
	Fat		18.82g/L
	Protein		1.35g/L

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
NIST-1546A	Meat homogenate - Nutrients	4x85g	32
	Analyte	CAS Number	Analyte Concentration
	25-Hydroxyvitamin D3	19356-17-3	0.0009mg/kg
	Arachidic acid	506-30-9	0.0329%
	Arachidonic Acid	506-32-1	0.0201%
	Behenic Acid	112-85-6	0.0442%
	Capric Acid	334-48-5	0.0167%
	Cholesterol	57-88-5	0.0717%
	cis alpha-Linolenic acid (ALA)	463-40-1	0.133%
	cis-Vaccenic Acid	506-17-2	0.324%
	Copper	7440-50-8	0.605mg/kg
	D-Pantothenic acid	79-83-4	4.58mg/kg
	Gondoic Acid	5561-99-9	0.1322%
	Iron	7439-89-6	10.17mg/kg
	Lauric Acid	143-07-7	0.0153%
	Lignoceric Acid	557-59-5	0.0068%
	Linoleic Acid	60-33-3	3.32%
	Magnesium	7439-95-4	178.1mg/kg
	Manganese	7439-96-5	0.286mg/kg
	Myristic Acid	544-63-8	0.245%
	Myristoleic acid	544-64-9	0.0118%
	Nervonic Acid	506-37-6	0.0228%
	Niacin	59-67-6	0.401mg/kg
	Nicotinamide (Vitamin B3)	98-92-0	38.18mg/kg
	Oleic Acid	112-80-1	8.09%
	Palmitic Acid	57-10-3	4.63%
	Palmitoleic acid	373-49-9	0.618%
	Phosphorus	7723-14-0	1651mg/kg
	Potassium	7440-09-7	2490mg/kg
	Pyridoxamine	85-87-0	0.272mg/kg
	Selenium	7782-49-2	0.281mg/kg
	Sodium	7440-23-5	9600mg/kg
	Stearic Acid	57-11-4	2.18%
	Zinc	7440-66-6	17.88mg/kg

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
NIST-1549A	Whole Milk Powder	5x10g	67
	Analyte	CAS Number	Analyte Concentration
	25-Hydroxyvitamin D3	19356-17-3	(0.00053)mg/kg
	(all-cis)-7,10,13,16,19-Docosapentaenoic Acid	24880-45-3	(0.014)g/100 g
	Ash		(5.625)g/100 g
	Barium	7440-39-3	0.566mg/kg
	Biotin	58-85-5	(0.152)mg/kg
	Butyric Acid	107-92-6	(0.868)g/100 g
	Calcium	7440-70-2	8810mg/kg
	Calories		(502.2)kcal per 100 g
	Caproic Acid	142-62-1	(0.573)g/100 g
	Caprylic Acid	124-07-2	(0.311)g/100 g
	Carbohydrate		(38.43)g/100 g
	Cholesterol	57-88-5	0.981mg/g
	Choline	62-49-7	(998)mg/kg
	Colecalciferol	67-97-0	(0.00188)mg/kg
	Copper	7440-50-8	(0.638)mg/kg
	Cyanocobalamin	68-19-9	(0.032)mg/kg
	D-Pantothenic acid	79-83-4	33.7mg/kg
	Fat		(26.98)g/100 g
	Glycine	56-40-6	(0.46)g/100 g
	Iodine	7553-56-2	(3.34)mg/kg
	Iron	7439-89-6	(1.85)mg/kg
	L-(+)-Lysine	56-87-1	(2.05)g/100 g
	L-(-)-Tryptophan	73-22-3	(0.29)g/100 g
	L-Alanine	56-41-7	(0.845)g/100 g
	L-Arginine	74-79-3	(0.89)g/100 g
	L-Aspartic acid	56-84-8	(1.96)g/100 g
	Lauric Acid	143-07-7	(0.764)g/100 g
	L-Carnitine	541-15-1	(173.1)mg/kg
	L-Cystine	56-89-3	(0.18)g/100 g
	L-Glutamic acid	56-86-0	(5.34)g/100 g
	L-Histidine	71-00-1	(0.617)g/100 g
Linoleic Acid	60-33-3	(0.659)g/100 g	
L-Isoleucine	73-32-5	(1.12)g/100 g	
L-Leucine	61-90-5	(2.41)g/100 g	
L-Methionine	63-68-3	(0.68)g/100 g	
L-Phenylalanine	63-91-2	(1.21)g/100 g	
L-Serine	56-45-1	(1.42)g/100 g	
L-Threonine	72-19-5	(1.09)g/100 g	
L-Tyrosine	60-18-4	(1.12)g/100 g	
L-Valine	72-18-4	(1.34)g/100 g	
Magnesium	7439-95-4	892mg/kg	

Continued on next page

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Continued from previous page

Analyte	CAS Number	Analyte Concentration
Manganese	7439-96-5	0.184mg/kg
Margaric Acid	506-12-7	(0.171)g/100 g
Margaroleic Acid	1981-50-6	(0.056)g/100 g
Molybdenum	7439-98-7	(0.377)mg/kg
Myristic Acid	544-63-8	(2.49)g/100 g
Nickel	7440-02-0	(0.068)mg/kg
Nicotinamide (Vitamin B3)	98-92-0	5.91mg/kg
Oleic Acid	112-80-1	(4.83)g/100 g
Palmitelaidic Acid	10030-73-6	(0.091)g/100 g
Palmitic Acid	57-10-3	(6.65)g/100 g
Palmitoleic acid	373-49-9	(0.385)g/100 g
Pentadecanoic acid (Pentadecylic acid)	1002-84-2	(0.265)g/100 g
Phosphorus	7723-14-0	7600mg/kg
Potassium	7440-09-7	11920mg/kg
Protein		(25.64)g/100 g
Pyridoxal	66-72-8	1.72mg/kg
Pyridoxamine	85-87-0	0.259mg/kg
Selenium	7782-49-2	0.242mg/kg
Sodium	7440-23-5	3176mg/kg
Solids		(96.92)g/100 g
Stearic Acid	57-11-4	(2.57)g/100 g
Strontium	7440-24-6	2.14mg/kg
Total Vitamin B6 as Pyridoxine		1.97mg/kg
Tridecanoic acid (Tridecylic acid)	638-53-9	(0.029)g/100 g
Vitamin B2 (Riboflavin)	83-88-5	10.6mg/kg
Zinc	7440-66-6	33.8mg/kg

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
NIST-17G	Sucrose optical rotation	Sucrose	60g	57-50-1	99.941%

Product Code	Product Description	Pack size	Number of Analytes
NIST-1845A	Whole Egg Powder	5x10g	33
	Analyte	CAS Number	Analyte Concentration
	25-Hydroxyvitamin D3	19356-17-3	0.0122mg/kg
	Arachidonic Acid	506-32-1	0.643%
	Barium	7440-39-3	1.458mg/kg
	Calcium	7440-70-2	2369mg/kg
	Cholecalciferol	67-97-0	0.0488mg/kg
	Cholesterol	57-88-5	1.767%
	cis alpha-Linolenic acid (ALA)	463-40-1	0.1643%
	cis-Docosahexaenoic Acid (DHA)	6217-54-5	0.1701%
	cis Docosapentaenoic acid (DPA)	25182-74-5	0.0202%
	cis-Vaccenic Acid	506-17-2	0.532%
	Copper	7440-50-8	2.4mg/kg
	D-Pantothenic acid	79-83-4	64.6mg/kg
	gamma-Linolenic Acid	506-26-3	0.0452%
	Iron	7439-89-6	83mg/kg
	Linoleic Acid	60-33-3	5.43%
	Magnesium	7439-95-4	406mg/kg
	Manganese	7439-96-5	1.15mg/kg
	Myristic Acid	544-63-8	0.1094%
	Myristoleic acid	544-64-9	0.0185%
	Nicotinamide (Vitamin B3)	98-92-0	1.421mg/kg
	Oleic Acid	112-80-1	11%
	Palmitic Acid	57-10-3	8.22%
	Palmitoleic acid	373-49-9	0.831%
	Phosphorus	7723-14-0	8640mg/kg
	Potassium	7440-09-7	4110mg/kg
	Pyridoxal	66-72-8	0.1329mg/kg
	Pyridoxamine	85-87-0	0.0472mg/kg
	Selenium	7782-49-2	1.554mg/kg
	Sodium	7440-23-5	4576mg/kg
	Stearic Acid	57-11-4	2.802%
	Strontium	7440-24-6	1.6962mg/kg
	Vitamin B2 (Riboflavin)	83-88-5	16.51mg/kg
Zinc	7440-66-6	55.9mg/kg	

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
NIST-1849B	Infant/Adult Nutritional Formula I (milk-based)	10x10g	78
	Analyte	CAS Number	Analyte Concentration
	5'-Adenylic Acid	61-19-8	128.8mg/kg
	Alpha-Tocopherol (free)		55mg/kg
	Alpha-Tocopherol (total)		202mg/kg
	Ash		4.49g/100g
	beta-Carotene	7235-40-7	0.5452mg/kg
	Beta Tocopherol	148-03-8	4.79mg/kg
	Biotin	58-85-5	2.08mg/kg
	Calcium	7440-70-2	5050mg/kg
	Calories		518kcal/100g
	Carbohydrate		53.4g/100g
	Chlorine	7782-50-5	6580mg/kg
	Cholesterol	57-88-5	1.3455mg/kg
	Chromium	7440-47-3	1.033mg/kg
	Colecalciferol	67-97-0	0.1056mg/kg
	Copper	7440-50-8	18.96mg/kg
	Cyanocobalamin	68-19-9	0.0497mg/kg
	Cytidine-5'-monophosphate	63-37-6	350.9mg/kg
	Delta Tocopherol	5488-58-4	35mg/kg
	DL-Alanine	302-72-7	0.4701g/100g
	DL-Arginine	7200-25-1	0.4275g/100g
	DL-Aspartic acid	617-45-8	1.0536g/100g
	DL-Cystine	923-32-0	0.13g/100g
	DL-Glutamic acid	617-65-2	2.503g/100g
	DL-Histidine	4998-57-6	0.2969g/100g
	DL-Isoleucine	443-79-8	0.6885g/100g
	DL-Leucine	328-39-2	1.2764g/100g
	DL-Lysine	70-54-2	0.919g/100g
	DL-Phenylalanine	150-30-1	0.576g/100g
	DL-Proline	609-36-9	1.191g/100g
	DL-Serine	302-84-1	0.658g/100g
	DL-Threonine	80-68-2	0.6338g/100g
	DL-Tryptophan	54-12-6	0.1774g/100g
	DL-Tyrosine	556-03-6	0.5845g/100g
	DL-Valine	516-06-3	0.7449g/100g
	D-Pantothenic acid	79-83-4	72.6mg/kg
	Ergocalciferol	50-14-6	0.1162mg/kg
	Fat		27.93g/100g
	Fluoride	16984-48-8	1.61mg/kg
	Folic Acid	59-30-3	2.55mg/kg
Galactooligosaccharides		2.575g/100g	
Gamma Tocopherol	7616-22-0	115.7mg/kg	

Continued on next page

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Continued from previous page

Analyte	CAS Number	Analyte Concentration
Glucose		0.863g/100g
Glycine	56-40-6	0.2465g/100g
Guanosine-5'-monophosphate	85-32-5	190.36mg/kg
Iodine	7553-56-2	2.03mg/kg
Iron	7439-89-6	168mg/kg
Lactose	63-42-3	47.34g/100g
L-Ascorbic Acid	50-81-7	969mg/kg
Lutein	127-40-2	2.478mg/kg
Lycopene	502-65-8	1.733mg/kg
Magnesium	7439-95-4	1570mg/kg
Manganese	7439-96-5	46.4mg/kg
Methionine (Free)		0.11g/100g
Methionine (Total)		0.4523g/100g
Molybdenum	7439-98-7	1.741mg/kg
myo-Inositol	87-89-8	448.9mg/kg
Nicotinamide (Vitamin B3)	98-92-0	109.7mg/kg
Phosphorus	7723-14-0	3750mg/kg
Potassium	7440-09-7	9014mg/kg
Protein		12.86g/100g
Selenium	7782-49-2	0.816mg/kg
Sodium	7440-23-5	4155mg/kg
Solids		97.826g/100g
Taurine	107-35-7	0.3596g/100g
Thiamine	59-43-8	14.4mg/kg
Total Carnitine		160.1mg/kg
Total Choline		1014mg/kg
Total Nucleotide Equivalents		847mg/kg
Total sugars		48.2g/100g
Uridine 5'-Monophosphate	58-97-9	177mg/kg
Vitamin A (as retinol)	68-26-8	10.13mg/kg
Vitamin A acetate (Retinol acetate)	127-47-9	7.1mg/kg
Vitamin A palmitate (Retinol palmitate)	79-81-2	7.803mg/kg
Vitamin B2 (Riboflavin)	83-88-5	16.9mg/kg
Vitamin B6 (Pyridoxine)	65-23-6	14.8mg/kg
Vitamin E acetate (DL-alpha-Tocopherol acetate)	52225-20-4	147mg/kg
Vitamin K1 (cis and trans)		0.96mg/kg
Zinc	7440-66-6	141.9mg/kg

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
NIST-1869	Infant/Adult Nutritional Formula II (milk/whey/soy-based)	10x10g	46
	Analyte	CAS Number	Analyte Concentration
	Arachidonic Acid	506-32-1	0.118%
	Ash		3.421%
	Biotin	58-85-5	0.000189%
	Calcium	7440-70-2	0.456%
	Capric Acid	334-48-5	1.018%
	Caprylic Acid	124-07-2	1.301%
	Chlorine	7782-50-5	0.513%
	Cholesterol	57-88-5	0.00001302%
	Choline	62-49-7	0.1612%
	Chromium	7440-47-3	0.0000859%
	cis alpha-Linolenic acid (ALA)	463-40-1	0.52%
	cis-Docosahexaenoic Acid (DHA)	6217-54-5	0.123%
	Cis-Monounsaturated Fatty Acids		6.8%
	Cis-Polyunsaturated Fatty Acids		5.83%
	Copper	7440-50-8	0.0019%
	DL-Carnitine	406-76-8	0.01035%
	D-Pantothenic acid	79-83-4	0.00649%
	Fat		17.9%
	Iodine	7553-56-2	0.000128%
	Iron	7439-89-6	0.01647%
	L-Ascorbic Acid	50-81-7	0.0897%
	Lauric Acid	143-07-7	0.0416%
	Linoleic Acid	60-33-3	4.98%
	Magnesium	7439-95-4	0.0947%
	Manganese	7439-96-5	0.0046%
	Molybdenum	7439-98-7	0.0001612%
	Myristic Acid	544-63-8	0.085%
	Nicotinamide (Vitamin B3)	98-92-0	0.00984%
	Oleic Acid	112-80-1	6.6%
	Palmitic Acid	57-10-3	1.31%
	Palmitoleic acid	373-49-9	0.0196%
	Phosphorus	7723-14-0	0.4186%
	Potassium	7440-09-7	0.756%
	Protein		14.498%
	Saturated fatty acids		4.41%
	Selenium	7782-49-2	0.0000806%
	Sodium	7440-23-5	0.1877%
	Stearic Acid	57-11-4	0.49%
Thiamin		0.001336%	
Total Omega-3 fatty acids		0.653%	
Total Omega-6 fatty acids		5.21%	

Continued on next page

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Continued from previous page

Analyte	CAS Number	Analyte Concentration
Total Solids		96.63%
trans-Vaccenic Acid	693-72-1	0.151%
Vitamin B2 (Riboflavin)	83-88-5	0.00136%
Vitamin B6 (Pyridoxine)	65-23-6	0.001309%
Zinc	7440-66-6	0.0144%

Product Code	Product Description	Pack size	Number of Analytes
NIST-2383A	Baby Food Composite	4x70g	24
	Analyte	CAS Number	Analyte Concentration
	alpha-Carotene	7488-99-5	0.82mg/kg
	Barium	7440-39-3	0.278mg/kg
	beta-Carotene	7235-40-7	3.47mg/kg
	Calcium	7440-70-2	342.6mg/kg
	Cobalt	7440-48-4	0.048mg/kg
	Copper	7440-50-8	0.758mg/kg
	D-Pantothenic acid	79-83-4	1.64mg/kg
	Iron	7439-89-6	4.42mg/kg
	Lutein	127-40-2	0.89mg/kg
	Lycopene	502-65-8	4.87mg/kg
	Magnesium	7439-95-4	212.2mg/kg
	Manganese	7439-96-5	0.963mg/kg
	Niacin (Nicotinic Acid)	59-67-6	1.79mg/kg
	Nicotinamide (Vitamin B3)	98-92-0	3.59mg/kg
	Phosphorus	7723-14-0	453mg/kg
	Potassium	7440-09-7	2910mg/kg
	Pyridoxamine	85-87-0	0.159mg/kg
	Sodium	7440-23-5	195mg/kg
	Strontium	7440-24-6	4.445mg/kg
	Thiamin		0.768mg/kg
	Vitamin B2 (Riboflavin)	83-88-5	0.56mg/kg
	Vitamin B6 (Pyridoxine)	65-23-6	0.052mg/kg
	Zeaxanthin	144-68-3	0.67mg/kg
	Zinc	7440-66-6	2.22mg/kg

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
NIST-2384	Baking Chocolate	5x91g	25
	Analyte	CAS Number	Analyte Concentration
	Arachidic acid	506-30-9	0.501%
	Behenic Acid	112-85-6	0.088%
	Cadmium	7440-43-9	0.0734mg/kg
	Caffeine	58-08-2	1060mg/kg
	Calcium	7440-70-2	840mg/kg
	cis alpha-Linolenic acid (ALA)	463-40-1	0.093%
	cis-Vaccenic Acid	506-17-2	0.172%
	Copper	7440-50-8	23.9mg/kg
	DL-Catechin	7295-85-4	245mg/kg
	(-)-Epicatechin	490-46-0	1220mg/kg
	Iron	7439-89-6	132mg/kg
	Lead	7439-92-1	0.0357mg/kg
	Lignoceric Acid	557-59-5	0.05%
	Linoleic Acid	60-33-3	1.458%
	Magnesium	7439-95-4	2610mg/kg
	Manganese	7439-96-5	20.8mg/kg
	Myristic Acid	544-63-8	0.076%
	Oleic Acid	112-80-1	15.73%
	Palmitic Acid	57-10-3	12.44%
	Palmitoleic acid	373-49-9	0.127%
	Phosphorus	7723-14-0	3330mg/kg
	Potassium	7440-09-7	8650mg/kg
	Stearic Acid	57-11-4	17.24%
Theobromine	83-67-0	11600mg/kg	
Zinc	7440-66-6	37.6mg/kg	

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
NIST-2387	Peanut butter - Fat, fatty acids, trace elements and tocophe	3x170g	26
	Analyte	CAS Number	Analyte Concentration
	Arachidic acid	506-30-9	0.71%
	Behenic Acid	112-85-6	1.81%
	Calcium	7440-70-2	411mg/kg
	cis alpha-Linolenic acid (ALA)	463-40-1	0.03%
	cis-Vaccenic Acid	506-17-2	0.255%
	Copper	7440-50-8	4.93mg/kg
	D-delta-tocopherol	119-13-1	10mg/kg
	Gamma- and Beta-Tocopherol		100mg/kg
	Gondoic Acid	5561-99-9	0.643%
	Iron	7439-89-6	16.4mg/kg
	Lignoceric Acid	557-59-5	0.781%
	Linoleic Acid	60-33-3	13.15%
	Magnesium	7439-95-4	1680mg/kg
	Manganese	7439-96-5	16mg/kg
	Monounsaturated fatty acids		24.4%
	Myristic Acid	544-63-8	0.024%
	Oleic Acid	112-80-1	23.38%
	Palmitic Acid	57-10-3	4.94%
	Palmitoleic acid	373-49-9	0.044%
	Phosphorus	7723-14-0	3378mg/kg
	Polyunsaturated fatty acids		13.2%
	Potassium	7440-09-7	6070mg/kg
	Saturated fatty acids		10.4%
	Sodium	7440-23-5	4890mg/kg
	Stearic Acid	57-11-4	2.13%
	Zinc	7440-66-6	26.3mg/kg

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
NIST-3232	Kelp Powder (Thallus laminariae)	3x5g	33
	Analyte	CAS Number	Analyte Concentration
	Aluminium	7429-90-5	(0.107)%
	Arsenic	7440-38-2	0.00383%
	Arsenic Acid	7778-39-4	(0.247)%
	Arsenosugar 328		(0.00012)%
	Arsenosugar 392		(0.001406)%
	Arsenosugar 482		(0.00059)%
	Ash		23.55g/100g
	Cacodylic acid	75-60-5	(0.0000479)%
	Cadmium	7440-43-9	0.00004259%
	Calcium	7440-70-2	1.226%
	Calories		306.2kcal/100g
	Carbohydrate		56.7g/100g
	Chlorine	7782-50-5	(3.56)%
	Chromium	7440-47-3	0.000592%
	cis-Vitamin K1	16033-41-3	(0.00000353)%
	Cobalt	7440-48-4	(0.0000307)%
	Copper	7440-50-8	0.0003875%
	Iodine	7553-56-2	0.0944%
	Iron	7439-89-6	0.0672%
	Lead	7439-92-1	0.0001032%
	Magnesium	7439-95-4	0.613%
	Manganese	7439-96-5	0.00246%
	Mercury	7439-97-6	0.00001129%
	Molybdenum	7439-98-7	0.00002441%
	Phosphorus	7723-14-0	(0.4551)%
	Potassium	7440-09-7	7.6%
	Protein		14.48g/100g
	Rubidium	7440-17-7	(0.002844)%
	Sodium	7440-23-5	1.633%
	Total fat		2.4g/100g
	Vitamin K1 (cis and trans)		(0.0000431)%
	Vitamin K1 (Phytonadione)	84-80-0	(0.0000396)%
	Zinc	7440-66-6	0.00274%

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
NIST-3233	Fortified Breakfast Cereal	60g	17
	Analyte	CAS Number	Analyte Concentration
	Alpha Tocopherol	10191-41-0	1350mg/kg
	Barium	7440-39-3	2.766mg/kg
	Cadmium	7440-43-9	0.0819mg/kg
	Calcium	7440-70-2	36910mg/kg
	Copper	7440-50-8	3.97mg/kg
	D-Pantothenic acid	79-83-4	540mg/kg
	Folic Acid	59-30-3	15.1mg/kg
	Iron	7439-89-6	766mg/kg
	Magnesium	7439-95-4	1093mg/kg
	Manganese	7439-96-5	33.1mg/kg
	Nicotinamide (Vitamin B3)	98-92-0	799mg/kg
	Phosphorus	7723-14-0	2592mg/kg
	Potassium	7440-09-7	3060mg/kg
	Sodium	7440-23-5	6830mg/kg
	Strontium	7440-24-6	8.34mg/kg
	Thiamin		60.2mg/kg
	Zinc	7440-66-6	628mg/kg

Product Code	Product Description	Pack size	Number of Analytes
NIST-3235	Soy Milk	10x10ml	13
	Analyte	CAS Number	Analyte Concentration
	Calcium	7440-70-2	0.1219%
	Copper	7440-50-8	0.0000976%
	D-delta-tocopherol	119-13-1	0.00061%
	D-gamma-tocopherol	54-28-4	0.00075%
	D-Pantothenic acid	79-83-4	0.000092%
	Ergocalciferol	50-14-6	0.0000012%
	Magnesium	7439-95-4	0.01704%
	Manganese	7439-96-5	0.0001907%
	Phosphorus	7723-14-0	0.0392%
	Potassium	7440-09-7	0.1357%
	Riboflavin		0.000223%
	Sodium	7440-23-5	0.04882%
	Zinc	7440-66-6	0.000258%

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
NIST-3252	Protein Drink Mix - nutritional composition	5x10g	26
	Analyte	CAS Number	Analyte Concentration
	Barium	7440-39-3	3.12mg/kg
	Biotin	58-85-5	4.43mg/kg
	Calcium	7440-70-2	17840mg/kg
	Caprylic Acid	124-07-2	0.0097%
	Cholesterol	57-88-5	0.05077%
	Choline	62-49-7	1328mg/kg
	Copper	7440-50-8	36.36mg/kg
	D-Pantothenic acid	79-83-4	150mg/kg
	Iron	7439-89-6	381mg/kg
	Magnesium	7439-95-4	6337mg/kg
	Manganese	7439-96-5	11.12mg/kg
	Molybdenum	7439-98-7	1.19mg/kg
	Myristoleic acid	544-64-9	0.0081%
	Niacin (Nicotinic Acid)	59-67-6	7.33mg/kg
	Nicotinamide (Vitamin B3)	98-92-0	269.7mg/kg
	Palmitoleic acid	373-49-9	0.01649%
	Phosphorus	7723-14-0	17210mg/kg
	Potassium	7440-09-7	11550mg/kg
	Selenium	7782-49-2	0.596mg/kg
	Sodium	7440-23-5	6820mg/kg
	Strontium	7440-24-6	13.65mg/kg
	Thiamin		12.3mg/kg
	Total cis-C18:1 Fatty Acids		1.186%
	Vitamin B2 (Riboflavin)	83-88-5	28.7mg/kg
	Vitamin B6 (Pyridoxine)	65-23-6	29.2mg/kg
	Zinc	7440-66-6	235mg/kg

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
NIST-3256	Green tea-containing solid oral dosage form - Catechins, xanthines and toxic elements	5x2.5g	13
	Analyte	CAS Number	Analyte Concentration
	Arsenic	7440-38-2	0.269mg/kg
	Cadmium	7440-43-9	0.025mg/kg
	Caffeine	58-08-2	7%
	(+)-Catechin	154-23-4	0.263%
	(-)-Epicatechin	490-46-0	1.2%
	(-)-Epicatechin gallate	1257-08-5	1.71%
	(-)-Epigallocatechin	970-74-1	3.07%
	(-)-Epigallocatechin gallate	989-51-5	7.11%
	Gallic Acid	149-91-7	1.31%
	(-)-Gallocatechin	3371-27-5	0.755%
	Lead	7439-92-1	0.316mg/kg
	Mercury	7439-97-6	0.014mg/kg
	Theobromine	83-67-0	0.104%

Product Code	Product Description	Pack size	Number of Analytes
NIST-3268	Kudzu (<i>Pueraria montana</i> var. <i>lobata</i>) Extract	5x1g	7
	Analyte	CAS Number	Analyte Concentration
	Arsenic	7440-38-2	0.849mg/kg
	Cadmium	7440-43-9	0.0821mg/kg
	Daidzein	486-66-8	17.1mg/g
	Daidzin	552-66-9	8.21mg/g
	Lead	7439-92-1	1.16mg/kg
	Puerarin	3681-99-0	128mg/g
	Selenium	7782-49-2	0.158mg/kg

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
NIST-3287	Blueberry (Fruit) - Organic acids	5x5g	13
	Analyte	CAS Number	Analyte Concentration
	Calcium	7440-70-2	323mg/kg
	Copper	7440-50-8	2.22mg/kg
	D-Pantothenic acid	79-83-4	3.36mg/kg
	Iron	7439-89-6	12.2mg/kg
	Magnesium	7439-95-4	313.7mg/kg
	Manganese	7439-96-5	8.47mg/kg
	Niacin (Nicotinic Acid)	59-67-6	2.864mg/kg
	Phosphorus	7723-14-0	671mg/kg
	Potassium	7440-09-7	4490mg/kg
	Quinic Acid	77-95-2	2.553%
	Thiamin		1.679mg/kg
	Vitamin B6 (Pyridoxine)	65-23-6	1.263mg/kg
	Zinc	7440-66-6	6.49mg/kg

Product Code	Product Description	Pack size	Number of Analytes
NIST-3290	Dry Cat Food	5x10g	43
	Analyte	CAS Number	Analyte Concentration
	Arachidic acid	506-30-9	0.0224%
	Arachidonic Acid	506-32-1	0.069%
	Arsenic	7440-38-2	0.146mg/kg
	Barium	7440-39-3	12.39mg/kg
	Biotin	58-85-5	1.42mg/kg
	Cadmium	7440-43-9	0.0384mg/kg
	Calcium	7440-70-2	11230mg/kg
	Chlorine	7782-50-5	8350mg/kg
	Choline	62-49-7	2627mg/kg
	Chromium	7440-47-3	30.01mg/kg
	cis alpha-Linolenic acid (ALA)	463-40-1	0.163%
	cis-Docosahexaenoic Acid (DHA)	6217-54-5	0.054%
	cis Docosapentaenoic acid (DPA)	25182-74-5	0.0147%
	cis Eicosapentaenoic acid (EPA)	10417-94-4	0.0736%
	cis-Vaccenic Acid	506-17-2	0.2149%
	Copper	7440-50-8	18.35mg/kg
	DL-Carnitine	406-76-8	59.2mg/kg
	Folic Acid	59-30-3	6mg/kg
	gamma-Linolenic Acid	506-26-3	0.0199%
	Iron	7439-89-6	364mg/kg
	Lead	7439-92-1	0.44mg/kg
	Linoleic Acid	60-33-3	2.88%
	Magnesium	7439-95-4	981mg/kg

Continued on next page

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Continued from previous page

Analyte	CAS Number	Analyte Concentration
Manganese	7439-96-5	74mg/kg
Molybdenum	7439-98-7	3.38mg/kg
Myristic Acid	544-63-8	0.106%
Myristoleic acid	544-64-9	0.01756%
Niacin (Nicotinic Acid)	59-67-6	181mg/kg
Nicotinamide (Vitamin B3)	98-92-0	27.99mg/kg
Oleic Acid	112-80-1	4.02%
Palmitic Acid	57-10-3	2.6%
Phosphorus	7723-14-0	9320mg/kg
Potassium	7440-09-7	7660mg/kg
Pyridoxal	66-72-8	0.877mg/kg
Pyridoxamine	85-87-0	0.737mg/kg
Selenium	7782-49-2	0.548mg/kg
Sodium	7440-23-5	5500mg/kg
Stearic Acid	57-11-4	0.69%
Strontium	7440-24-6	15.63mg/kg
Thiamin		26.5mg/kg
Total cis-C18:1 Fatty Acids		4.203%
Vitamin B2 (Riboflavin)	83-88-5	39.8mg/kg
Vitamin B6 (Pyridoxine)	65-23-6	27.38mg/kg

Product Code	Product Description	Pack size	Number of Analytes
NIST-3299	Ground Turmeric (<i>Curcuma longa</i> L.) Rhizome	5x3g	6
	Analyte	CAS Number	Analyte Concentration
	Arsenic	7440-38-2	0.332mg/g
	Bisdemethoxycurcumin	33171-05-0	3.66mg/g
	Cadmium	7440-43-9	1.73mg/g
	Curcumin	458-37-7	12.17mg/g
	Desmethoxycurcumin	24939-17-1	3.79mg/g
	Lead	7439-92-1	1.2mg/g

Product Code	Product Description	Pack size	Number of Analytes
NIST-8260	Infant Nutritional Formula (hydrolyzed milk-based)	400g	6
	Analyte	CAS Number	Analyte Concentration
	Calcium	7440-70-2	421.9mg/100g
	Chlorate	14866-68-3	0.0281mg/100g
	Manganese	7439-96-5	0.1177mg/100g
	Vitamin B6 (Pyridoxine)	65-23-6	0.4396mg/100g
	Vitamin E acetate (DL-alpha-Tocopherol acetate)	52225-20-4	16.21mg/100g
	Zinc	7440-66-6	4.737mg/100g

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
NIST-8261	Adult Nutritional Formula (high-protein)	400g	5
	Analyte	CAS Number	Analyte Concentration
	Calcium	7440-70-2	292.5mg/100g
	Manganese	7439-96-5	1.267mg/100g
	Vitamin B6 (Pyridoxine)	65-23-6	1.884mg/100g
	Vitamin E acetate (DL-alpha-Tocopherol acetate)	52225-20-4	17.49mg/100g
	Zinc	7440-66-6	10.59mg/100g

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
NIST-8323	Frozen Yeast Protein Extract	Total Protein	3vials x 0.2mL		0.188mg/mL

Product Code	Product Description	Pack size	Number of Analytes
NIST-8403	Cocoa Flavanol Extract	5x2g	7
	Analyte	CAS Number	Analyte Concentration
	Degree of polymerisation DP1		114.9mg/g mass fraction
	Degree of polymerisation DP2		82.6mg/g mass fraction
	Degree of polymerisation DP3		87.4mg/g mass fraction
	Degree of polymerisation DP4		74mg/g mass fraction
	Degree of polymerisation DP5		62.7mg/g mass fraction
	Degree of polymerisation DP6		48.4mg/g mass fraction
	Degree of polymerisation DP7		37.7mg/g mass fraction

Product Code	Product Description	Pack size	Number of Analytes
NIST-8650	Ground Kudzu (<i>Pueraria montana</i> var. <i>lobata</i>) Rhizome	5x3g	6
	Analyte	CAS Number	Analyte Concentration
	Arsenic	7440-38-2	0.156mg/kg
	Cadmium	7440-43-9	0.348mg/kg
	Daidzein	486-66-8	4.17mg/g
	Daidzin	552-66-9	4.21mg/g
	Lead	7439-92-1	1.159mg/kg
	Puerarin	3681-99-0	32.2mg/g

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
NIST-8652	Kudzu-Containing Solid Oral Dosage Form	5x2.6g	3
	Analyte	CAS Number	Analyte Concentration
	Daidzein	486-66-8	3.51mg/g
	Daidzin	552-66-9	12mg/g
	Puerarin	3681-99-0	68.1mg/g

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
NIST-911C	Cholesterol	Cholesterol	2g	57-88-5	99.2%

Product Code	Product Description	Pack size	Number of Analytes
NIST-920	D-Mannitol	50g	2
	Analyte	CAS Number	Analyte Concentration
	D-Mannitol	69-65-8	99.8%
	D-Sorbit	50-70-4	0.1%

Product Code	Product Description	Pack size	Number of Analytes
LGC5100	Whisky - Congeners	10ml	6
	Analyte	CAS Number	Analyte Concentration
	1-Propanol	71-23-8	57g/100L
	2-Methyl-1-Butanol	137-32-6	21.38g/100L
	Butyl Alcohol, n-butanol	71-36-3	0.48g/100L
	Isoamyl Alcohol (3-Methyl-1-Butanol)	123-51-3	58.2g/100L
	Isobutanol	78-83-1	58.8g/100L
	Methanol	67-56-1	5.2g/100L

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
LGC7103	Sweet digestive biscuit - Proximates and elements	48g 48 g	18
	Analyte	CAS Number	Analyte Concentration
	Ash		(1.599)g/100g
	Calcium	7440-70-2	(480)mg/kg
	Chloride	16887-00-6	(0.302)g/100g
	Copper	7440-50-8	(1.5)mg/kg
	Fructose		(0.25)g/100g
	Glucose		(0.23)g/100g
	Iron	7439-89-6	(18)mg/kg
	Magnesium	7439-95-4	(254)mg/kg
	Manganese	7439-96-5	(5.49)mg/kg
	Moisture		(2.88)g/100g
	Nitrogen	7727-37-9	(1.073)g/100g
	Phosphorus	7723-14-0	(900)mg/kg
	Potassium	7440-09-7	(1580)mg/kg
	Sodium	7440-23-5	(5010)mg/kg
	Starch	9005-25-8	(48)g/100g
	Sucrose	57-50-1	(13.89)g/100g
	Total fat		(21.17)g/100g
	Zinc	7440-66-6	(6.41)mg/kg

Product Code	Product Description	Pack size	Number of Analytes
LGC7155	Processed Meat – Proximates, chloride, hydroxyproline & metals	50g	10
	Analyte	CAS Number	Analyte Concentration
	Ash	Not applicable	3.229g/100g
	Chloride	16887-00-6	1.377g/100g
	Hydroxyproline	6912-67-0	0.559g/100g
	Magnesium	7439-95-4	11.02mg/100g
	Moisture	Not applicable	55.13g/100g
	Nitrogen	7727-37-9	2.202g/100g
	Phosphorus	7723-14-0	236mg/100g
	Potassium	7440-09-7	187.4mg/100g
	Sodium	7440-23-5	1110mg/100g
	Total Fat	Not applicable	24.23g/100g

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
LGC7300	2,6-Di-tert-butyl-4-methylphenol (BHT)	Butylhydroxytoluene	500mg	128-37-0	99.8%

**Food, Feed and
Beverages**

Composition

ABV



Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
BCR-651	Beer - Alcohol (low level)	Ethanol	10ml	64-17-5	0.505%
BCR-652	Beer - Alcohol (very low level)	Ethanol	10ml	64-17-5	0.051%
BCR-653	Wine - Alcohol (low level)	Ethanol	10ml	64-17-5	0.539%

Product Code	Product Description	Pack size	Number of Analytes
BCR-656	ABSOLUTE ALCOHOL (carbon-13 and deuterium isotopic ratio content)	25ml	2
	Analyte	CAS Number	Analyte Concentration
	Carbon-13	14762-74-4	(26.91)‰
	Ethanol	64-17-5	(94)%

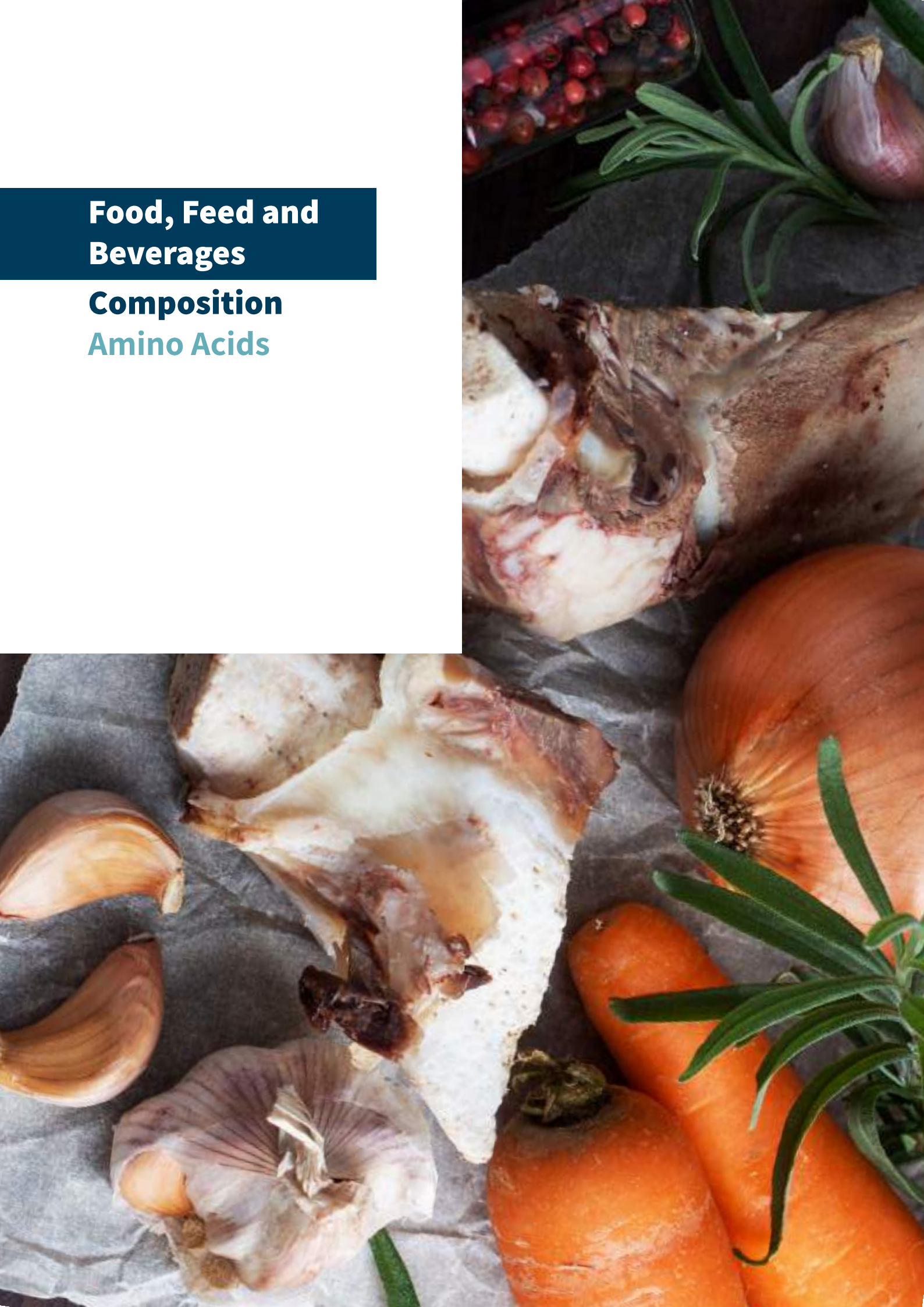
Product Code	Product Description	Pack size	Number of Analytes
BCR-660	ALCOHOLIC SOLUTION (carbon-13 and deuterium isotopic ratio content)	450ml	2
	Analyte	CAS Number	Analyte Concentration
	Carbon-13	14762-74-4	(26.72)‰
	Ethanol	64-17-5	11.96%

Product Code	Product Description	Pack size	Number of Analytes
LGC5000	Brandy - 40% ABV	50ml	3
	Analyte	CAS Number	Analyte Concentration
	Actual Alcoholic strength		40.075%ABV
	Apparent alcoholic strength		37.834%ABV
	Apparent Density in air		950.376kg/m ³

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
LGC5005	Lager - 5% ABV	Alcohol by volume	330ml		5%

Food, Feed and Beverages

Composition Amino Acids



Food & Environmental Matrix Reference Materials Catalogue 2024

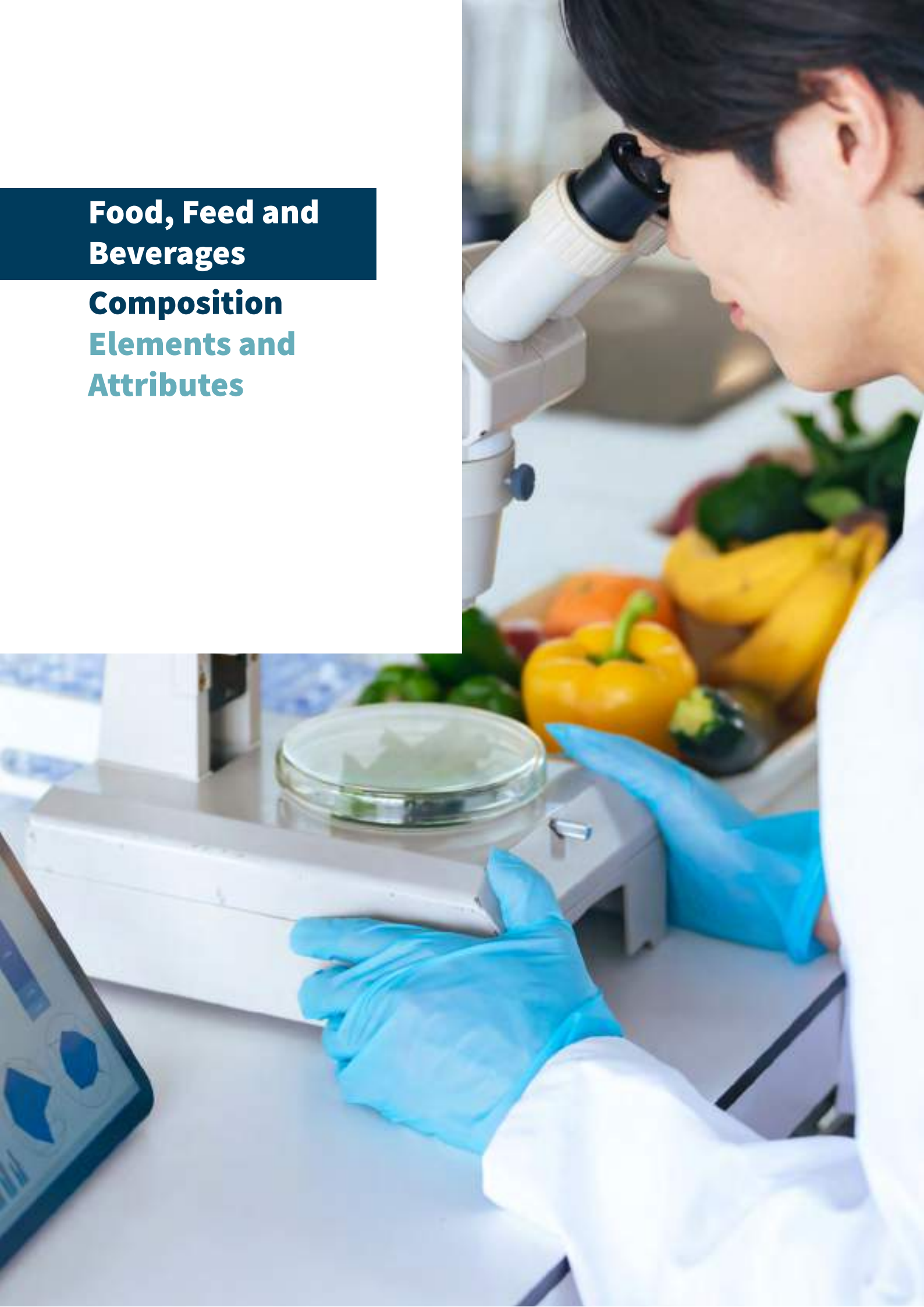
Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
NIST-2389A	Amino Acids in 0.1 mol/L Hydrochloric Acid	5x1.2ml	17
	Analyte	CAS Number	Analyte Concentration
	DL-Alanine	302-72-7	0.0223%
	DL-Arginine	7200-25-1	0.0436%
	DL-Aspartic acid	617-45-8	0.0333%
	DL-Glutamic acid	617-65-2	0.0368%
	DL-Histidine	4998-57-6	0.039%
	DL-Isoleucine	443-79-8	0.032%
	DL-Leucine	328-39-2	0.0319%
	DL-Lysine	70-54-2	0.0353%
	DL-Methionine	59-51-8	0.0373%
	DL-Phenylalanine	150-30-1	0.0421%
	DL-Proline	609-36-9	0.0282%
	DL-Serine	302-84-1	0.0256%
	DL-Threonine	80-68-2	0.0296%
	DL-Tyrosine	556-03-6	0.0459%
	DL-Valine	516-06-3	0.0293%
	Glycine	56-40-6	0.0189%
	L-Cystine	56-89-3	0.0295%



Food, Feed and Beverages

Composition Elements and Attributes



Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
ERM-CE477	Mussel tissue - Butyltin compounds	14g	3
	Analyte	CAS Number	Analyte Concentration
	Dibutyl tin	1002-53-5	1.54mg/kg
	Monobutyl tin	78763-54-9	1.5mg/kg
	Tributyl tin	688-73-3	2.2mg/kg

Product Code	Product Description	Pack size	Number of Analytes
MUVA-NEM-1608	Minerals / Trace Elements in Infant Food	50g	10
	Analyte	CAS Number	Analyte Concentration
	Calcium	7440-70-2	5048mg/kg
	Chloride	16887-00-6	2796mg/kg
	Copper	7440-50-8	2.5mg/kg
	Iron	7439-89-6	28.5mg/kg
	Magnesium	7439-95-4	911.5mg/kg
	Manganese	7439-96-5	12.33mg/kg
	Phosphorus	7723-14-0	4429mg/kg
	Potassium	7440-09-7	6780mg/kg
	Sodium	7440-23-5	1417mg/kg
	Zinc	7440-66-6	21.9mg/kg

Product Code	Product Description	Pack size	Number of Analytes
MUVA-NEM-1609	Minerals / Trace Elements in Infant Food, second source	50g	10
	Analyte	CAS Number	Analyte Concentration
	Calcium	7440-70-2	4994mg/kg
	Chloride	16887-00-6	2956mg/kg
	Copper	7440-50-8	1.38mg/kg
	Iron	7439-89-6	18.4mg/kg
	Magnesium	7439-95-4	543.3mg/kg
	Manganese	7439-96-5	2.43mg/kg
	Phosphorus	7723-14-0	3214mg/kg
	Potassium	7440-09-7	6188mg/kg
	Sodium	7440-23-5	1421mg/kg
	Zinc	7440-66-6	12.5mg/kg

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
LGC5000	Brandy - 40% ABV	50ml	2
	Analyte	CAS Number	Analyte Concentration
	Nitrogen	7727-37-9	12.13%
	Phosphorus	7723-14-0	26.93%

Product Code	Product Description	Pack size	Number of Analytes
NIST-3234	Soy Flour	50g	10
	Analyte	CAS Number	Analyte Concentration
	Calcium	7440-70-2	3191mg/kg
	Calcium	7440-70-2	4994mg/kg
	Copper	7440-50-8	15.34mg/kg
	Iron	7439-89-6	80.3mg/kg
	Magnesium	7439-95-4	3487mg/kg
	Manganese	7439-96-5	36.78mg/kg
	Phosphorus	7723-14-0	8080mg/kg
	Potassium	7440-09-7	25010mg/kg
	Potassium	7440-09-7	6188mg/kg
	Zinc	7440-66-6	48.9mg/kg



Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
BCR-113	POTASSIUM CHLORIDE FERTILIZER (elemental composition)	100g	13
	Analyte	CAS Number	Analyte Concentration
	Calcium	7440-70-2	0.103%
	Calcium	7440-70-2	0.94%
	Chlorine	7782-50-5	47.8%
	Chlorine	7782-50-5	1.85%
	Magnesium	7439-95-4	0.024%
	Magnesium	7439-95-4	0.074%
	Potassium	7440-09-7	50.25%
	Potassium	7440-09-7	41.8%
	Sodium	7440-23-5	1.53%
	Sodium	7440-23-5	1.1%
	Soluble Potassium		50.13%
	Soluble Potassium		41.76%
	Sulfate	14808-79-8	53.3%

Product Code	Product Description	Pack size	Number of Analytes
BCR-129	Hay powder - Trace elements	30g	27
	Analyte	CAS Number	Analyte Concentration
	Aluminium	7429-90-5	(0.0112)%
	Bromine	7726-95-6	(0.00101)%
	Calcium	7440-70-2	0.64%
	Carbon	7440-44-0	(45.2)%
	Chlorine	7782-50-5	(0.001)%
	Chromium	7440-47-3	(0.00025)%
	Cobalt	7440-48-4	(0.0000121)%
	Copper	7440-50-8	(0.001)%
	Fluorine	7782-41-4	(0.00022)%
	Hydrogen	1333-74-0	(6.3)%
	Iodine	7553-56-2	0.0000167%
	Iron	7439-89-6	(0.0114)%
	Magnesium	7439-95-4	0.145%
	Manganese	7439-96-5	(0.0072)%
	Molybdenum	7439-98-7	(0.0001)%
	Nitrogen	7727-37-9	3.72%
	Nitrogene by Kjeldahl		3.42%
	Phosphorus	7723-14-0	0.236%
	Potassium	7440-09-7	3.38%
	Rubidium	7440-17-7	(0.005)%
	Scandium	7440-20-2	(0.0000017)%
	Selenium	7782-49-2	(0.0000025)%
	Silicon	7440-21-3	(0.2221)%

Continued on next page

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Continued from previous page

Analyte	CAS Number	Analyte Concentration
Sodium	7440-23-5	(0.349)%
Strontium	7440-24-6	(0.0021)%
Titanium	7440-32-6	(0.00038)%
Zinc	7440-66-6	0.00321%

Product Code	Product Description	Pack size	Number of Analytes
BCR-178	Calcium ammonium nitrate - Elemental composition	100g	5
	Analyte	CAS Number	Analyte Concentration
	Ammoniacal nitrogen		13.044%
	Calcium	7440-70-2	8.882%
	Nitrate-Nitrogen		13.015%
	Nitrogen	7727-37-9	260.19mg/g
	Total nitrogen		26.019%

Product Code	Product Description	Pack size	Number of Analytes
BCR-402	White clover - Trace elements	25g	8
	Analyte	CAS Number	Analyte Concentration
	Arsenic	7440-38-2	0.0000093%
	Chromium	7440-47-3	(0.000519)%
	Cobalt	7440-48-4	0.0000178%
	Iron	7439-89-6	(0.0244)%
	Molybdenum	7439-98-7	0.000693%
	Nickel	7440-02-0	(0.000825)%
	Selenium	7782-49-2	0.00067%
	Zinc	7440-66-6	(0.00252)%

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
BCR-414	Plankton - Trace elements	5g	17
	Analyte	CAS Number	Analyte Concentration
	Arsenic	7440-38-2	0.000682%
	Cadmium	7440-43-9	0.0000383%
	Chromium	7440-47-3	0.00238%
	Cobalt	7440-48-4	(0.000143)%
	Copper	7440-50-8	0.00295%
	Iron	7439-89-6	(0.185)%
	Lead	7439-92-1	0.000397%
	Manganese	7439-96-5	0.0299%
	Mercury	7439-97-6	0.0000276%
	Molybdenum	7439-98-7	(0.000135)%
	Nickel	7440-02-0	0.00188%
	Potassium	7440-09-7	(0.755)%
	Scandium	7440-20-2	(0.000054)%
	Selenium	7782-49-2	0.000175%
	Strontium	7440-24-6	(0.0261)%
	Vanadium	7440-62-2	0.00081%
	Zinc	7440-66-6	0.01116%

Product Code	Product Description	Pack size	Number of Analytes
BCR-627	Tuna fish tissue - Arsenic species	10g	3
	Analyte	CAS Number	Analyte Concentration
	Arsenic	7440-38-2	4.8mg/kg
	Arsenobetaine	64436-13-1	52µmol/kg
	Cacodylic acid	75-60-5	2µmol/kg

Product Code	Product Description	Pack size	Number of Analytes
BCR-668	MUSSEL TISSUE (rare earth elements, Th, U)	10g	26
	Analyte	CAS Number	Analyte Concentration
	Arsenic indicative	7440-38-2	7.1mg/kg
	Cadmium indicative	7440-43-9	0.275mg/kg
	Cerium	7440-45-1	89ug/kg
	Cesium indicative	7440-46-2	13.8ug/kg
	Chromium indicative	7440-47-3	0.37mg/kg
	Cobalt indicative	7440-48-4	(0.31-0.36)mg/kg
	Dysprosium	7429-91-6	8.9ug/kg
	Erbium	7440-52-0	4.5ug/kg
	Europium	7440-53-1	2.79ug/kg
	Gadolinium	7440-54-2	13ug/kg

Continued on next page

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Continued from previous page

Analyte	CAS Number	Analyte Concentration
Holmium	7440-60-0	1.8ug/kg
Iron indicative	7439-89-6	(84.7-93.5)mg/kg
Lanthanum	7439-91-0	80ug/kg
Lutetium	7439-94-3	0.39ug/kg
Molybdenum indicative	7439-98-7	1.99mg/kg
Neodymium	7440-00-8	54ug/kg
Praseodymium	7440-10-0	12.3ug/kg
Samarium	7440-19-9	11.2ug/kg
Scandium indicative	7440-20-2	8.5ug/kg
Terbium	7440-27-9	1.62ug/kg
Thorium	7440-29-1	10.7ug/kg
Thulium	7440-30-4	0.48ug/kg
Uranium	7440-61-1	56ug/kg
Ytterbium indicative	7440-64-4	2.8ug/kg
Yttrium	7440-65-5	59ug/kg
Zinc indicative	7440-66-6	70.7mg/kg

Product Code	Product Description	Pack size	Number of Analytes
BCR-679	White cabbage - Trace elements	15g	18
	Analyte	CAS Number	Analyte Concentration
	Antimony	7440-36-0	20.6ug/kg
	Arsenic	7440-38-2	6.7-7.3ug/kg
	Barium	7440-39-3	10.3mg/kg
	Boron	7440-42-8	27.7mg/kg
	Cadmium	7440-43-9	1.66mg/kg
	Calcium	7440-70-2	7768mg/kg
	Chromium	7440-47-3	0.6mg/kg
	Copper	7440-50-8	2.89mg/kg
	Iron	7439-89-6	55mg/kg
	Magnesium	7439-95-4	1362mg/kg
	Manganese	7439-96-5	13.3mg/kg
	Mercury	7439-97-6	6.3ug/kg
	Molybdenum	7439-98-7	14.8mg/kg
	Nickel	7440-02-0	27mg/kg
	Phosphorus	7723-14-0	3307mg/kg
	Strontium	7440-24-6	11.8mg/kg
	Thallium	7440-28-0	3ug/kg
	Zinc	7440-66-6	79.7mg/kg

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
ERM-BB184	Bovine muscle - Trace elements	7g	13
	Analyte	CAS Number	Analyte Concentration
	Arsenic	7440-38-2	0.0234mg/kg
	Cadmium	7440-43-9	0.0022mg/kg
	Calcium (Indicative)	7440-70-2	(0.0155)%
	Chlorine (Indicative)	7782-50-5	(0.154)%
	Copper	7440-50-8	2.31mg/kg
	Iron	7439-89-6	75mg/kg
	Magnesium (Indicative)	7439-95-4	(0.1)%
	Manganese	7439-96-5	0.276mg/kg
	Mercury (Indicative)	7439-97-6	0.0018mg/kg
	Potassium (Indicative)	7440-09-7	(1.58)%
	Selenium	7782-49-2	0.45mg/kg
	Sodium (Indicative)	7440-23-5	(0.18)%
	Zinc	7440-66-6	146mg/kg

Product Code	Product Description	Pack size	Number of Analytes
ERM-BB185	Bovine Liver (Trace Elements)	10g	7
	Analyte	CAS Number	Analyte Concentration
	Arsenic	7440-38-2	0.0177mg/kg
	Cadmium	7440-43-9	0.28mg/kg
	Copper	7440-50-8	598mg/kg
	Lead	7439-92-1	0.0326mg/kg
	Manganese	7439-96-5	13.1mg/kg
	Selenium	7782-49-2	2.99mg/kg
	Zinc	7440-66-6	143mg/kg

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
ERM-BB186	Pig kidney - Trace elements	10g	15
	Analyte	CAS Number	Analyte Concentration
	Arsenic Indicative	7440-38-2	-0.008mg/kg
	Cadmium	7440-43-9	1.09mg/kg
	Calcium Indicative	7440-70-2	-290mg/kg
	Chlorine Indicative	7782-50-5	-7100mg/kg
	Cobalt Indicative	7440-48-4	-0.106mg/kg
	Copper	7440-50-8	36.5mg/kg
	Iron	7439-89-6	255mg/kg
	Lead	7439-92-1	0.04mg/kg
	Magnesium Indicative	7439-95-4	-790mg/kg
	Manganese	7439-96-5	7.26mg/kg
	Mercury Indicative	7439-97-6	-0.023mg/kg
	Potassium Indicative	7440-09-7	-12000mg/kg
	Selenium	7782-49-2	10.3mg/kg
	Sodium Indicative	7440-23-5	-6000mg/kg
Zinc	7440-66-6	134mg/kg	

Product Code	Product Description	Pack size	Number of Analytes
ERM-BB384	Pork muscle - Proximates and essential elements (2 vials)	2x18g	7
	Analyte	CAS Number	Analyte Concentration
	Ash		0.451%
	Calcium	7440-70-2	0.0000164%
	Kjeldahl nitrogen		1.42%
	Magnesium	7439-95-4	0.000103%
	Phosphorus	7723-14-0	0.00087%
	Sodium	7440-23-5	0.000186%
	Total fat		0.899%

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
ERM-BB422	Fish muscle - Trace elements	10g	14
	Analyte	CAS Number	Analyte Concentration
	Arsenic	7440-38-2	12.7mg/kg
	Cadmium	7440-43-9	0.0075mg/kg
	Calcium	7440-70-2	(0.0342)%
	Chlorine	7782-50-5	(0.35)%
	Copper	7440-50-8	1.67mg/kg
	Iodine	7553-56-2	1.4mg/kg
	Iron	7439-89-6	9.4mg/kg
	Magnesium	7439-95-4	(0.137)%
	Manganese	7439-96-5	0.368mg/kg
	Mercury	7439-97-6	0.601mg/kg
	Potassium	7440-09-7	(2.14)%
	Selenium	7782-49-2	1.33mg/kg
	Sodium	7440-23-5	(0.28)%
	Zinc	7440-66-6	16mg/kg

Product Code	Product Description	Pack size	Number of Analytes
ERM-BC211	RICE (As species)	10g	3
	Analyte	CAS Number	Analyte Concentration
	Arsenite and Arsenate		124µg/kg
	Cacodylic acid	75-60-5	119µg/kg
	Total Arsenic		260µg/kg



Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
ERM-BD150	SKIMMED MILK POWDER (trace elements)	20g	30
	Analyte	CAS Number	Analyte Concentration
	Cadmium	7440-43-9	0.0114mg/kg
	Cadmium	7440-43-9	0.106mg/kg
	Calcium	7440-70-2	1.39%
	Calcium	7440-70-2	1.39%
	Chlorine	7782-50-5	0.97%
	Chlorine	7782-50-5	0.98%
	Copper	7440-50-8	1.08mg/kg
	Copper	7440-50-8	5mg/kg
	Iodine	7553-56-2	1.73mg/kg
	Iodine	7553-56-2	1.78mg/kg
	Iron	7439-89-6	4.6mg/kg
	Iron	7439-89-6	53mg/kg
	Lead	7439-92-1	0.019mg/kg
	Lead	7439-92-1	0.207mg/kg
	Magnesium	7439-95-4	0.126%
	Magnesium	7439-95-4	0.126%
	Manganese	7439-96-5	0.289mg/kg
	Manganese	7439-96-5	0.29mg/kg
	Mercury	7439-97-6	0.06mg/kg
	Mercury	7439-97-6	0.52mg/kg
	Phosphorus	7723-14-0	1.1%
	Phosphorus	7723-14-0	1.1%
	Potassium	7440-09-7	1.7%
	Potassium	7440-09-7	1.7%
	Selenium	7782-49-2	0.188mg/kg
	Selenium	7782-49-2	0.19mg/kg
	Sodium	7440-23-5	0.418%
	Sodium	7440-23-5	0.419%
	Zinc	7440-66-6	44.8mg/kg
	Zinc	7440-66-6	44.9mg/kg

Product Code	Product Description	Pack size	Number of Analytes
ERM-BD512	Dark Chocolate, certified for cadmium and three other trace elements (set of 6 vials)	Bottle	4
	Analyte	CAS Number	Analyte Concentration
	Cadmium	7440-43-9	0.0000302%
	Copper	7440-50-8	0.00143%
	Manganese	7439-96-5	0.00157%
	Nickel	7440-02-0	0.000301%

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
ERM-CD200	SEAWEED (bladderwrack) (trace elements)	5g	7
	Analyte	CAS Number	Analyte Concentration
	Arsenic	7440-38-2	55mg/kg
	Cadmium	7440-43-9	0.95mg/kg
	Copper	7440-50-8	1.71mg/kg
	Lead	7439-92-1	0.51mg/kg
	Mercury	7439-97-6	0.0186mg/kg
	Selenium	7782-49-2	0.088mg/kg
	Zinc	7440-66-6	25.3mg/kg

Product Code	Product Description	Pack size	Number of Analytes
ERM-CD281	Rye grass - Trace elements	Vial	21
	Analyte	CAS Number	Analyte Concentration
	Antimony	7440-36-0	0.042mg/kg
	Arsenic	7440-38-2	0.042mg/kg
	Boron	7440-42-8	5.5mg/kg
	Cadmium	7440-43-9	0.12mg/kg
	Calcium	7440-70-2	(0.63)%
	Chromium	7440-47-3	24.8mg/kg
	Copper	7440-50-8	10.2mg/kg
	Iron	7439-89-6	(0.018)%
	Lead	7439-92-1	1.67mg/kg
	Magnesium	7439-95-4	(0.16)%
	Manganese	7439-96-5	82mg/kg
	Mercury	7439-97-6	0.0164mg/kg
	Molybdenum	7439-98-7	2.22mg/kg
	Nickel	7440-02-0	15.2mg/kg
	Phosphorus	7723-14-0	(0.28)%
	Potassium	7440-09-7	(3.4)%
	Selenium	7782-49-2	0.023mg/kg
	Silicon	7440-21-3	(0.13)%
	Sodium	7440-23-5	(0.4)%
	Tin	7440-31-5	0.062mg/kg
	Zinc	7440-66-6	30.5mg/kg

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
ERM-CE278K	MUSSEL TISSUE (elements)	8g	20
	Analyte	CAS Number	Analyte Concentration
	Arsenic	7440-38-2	6.7mg/kg
	Cadmium	7440-43-9	0.336mg/kg
	Calcium	7440-70-2	(0.186)%
	Chlorine	7782-50-5	(2.28)%
	Chromium	7440-47-3	0.73mg/kg
	Cobalt	7440-48-4	(0.000021)%
	Copper	7440-50-8	5.98mg/kg
	Iron	7439-89-6	161mg/kg
	Lead	7439-92-1	2.18mg/kg
	Magnesium	7439-95-4	(0.151)%
	Manganese	7439-96-5	4.88mg/kg
	Mercury	7439-97-6	0.071mg/kg
	Nickel	7440-02-0	0.69mg/kg
	Potassium	7440-09-7	(0.537)%
	Rubidium	7440-17-7	2.46mg/kg
	Selenium	7782-49-2	1.62mg/kg
	Silver	7440-22-4	(0.0000044)%
	Sodium	7440-23-5	(1.39)%
Strontium	7440-24-6	19mg/kg	
Zinc	7440-66-6	71mg/kg	

Product Code	Product Description	Pack size	Number of Analytes
NIST-1515	Apple Leaves	50g	22
	Analyte	CAS Number	Analyte Concentration
	Aluminium	7429-90-5	284.5mg/kg
	Barium	7440-39-3	48.8mg/kg
	Boron	7440-42-8	27.6mg/kg
	Cadmium	7440-43-9	0.0132mg/kg
	Calcium	7440-70-2	15250mg/kg
	Chlorine	7782-50-5	582mg/kg
	Copper	7440-50-8	5.69mg/kg
	Iron	7439-89-6	82.7mg/kg
	Lead	7439-92-1	0.47mg/kg
	Magnesium	7439-95-4	2710mg/kg
	Manganese	7439-96-5	54.1mg/kg
	Mercury	7439-97-6	0.0432mg/kg
	Molybdenum	7439-98-7	0.095mg/kg
	Nickel	7440-02-0	0.936mg/kg
	Nitrogen	7727-37-9	22990mg/kg
Phosphorus	7723-14-0	1593mg/kg	

Continued on next page

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Continued from previous page

Analyte	CAS Number	Analyte Concentration
Potassium	7440-09-7	16080mg/kg
Rubidium	7440-17-7	10.2mg/kg
Sodium	7440-23-5	24.4mg/kg
Strontium	7440-24-6	25.1mg/kg
Vanadium	7440-62-2	0.254mg/kg
Zinc	7440-66-6	12.45mg/kg

Product Code	Product Description	Pack size	Number of Analytes
NIST-1547	Peach Leaves	50g	22
	Analyte	CAS Number	Analyte Concentration
	Aluminium	7429-90-5	248.9mg/kg
	Barium	7440-39-3	123.7mg/kg
	Boron	7440-42-8	28.73mg/kg
	Cadmium	7440-43-9	0.0261mg/kg
	Calcium	7440-70-2	15590mg/kg
	Chlorine	7782-50-5	361mg/kg
	Copper	7440-50-8	3.75mg/kg
	Iron	7439-89-6	219.8mg/kg
	Lead	7439-92-1	0.869mg/kg
	Magnesium	7439-95-4	4320mg/kg
	Manganese	7439-96-5	97.8mg/kg
	Mercury	7439-97-6	0.0317mg/kg
	Molybdenum	7439-98-7	0.0603mg/kg
	Nickel	7440-02-0	0.689mg/kg
	Nitrogen	7727-37-9	29650mg/kg
	Phosphorus	7723-14-0	1371mg/kg
	Potassium	7440-09-7	24330mg/kg
	Rubidium	7440-17-7	19.65mg/kg
	Sodium	7440-23-5	23.8mg/kg
	Strontium	7440-24-6	53mg/kg
	Vanadium	7440-62-2	0.367mg/kg
	Zinc	7440-66-6	17.97mg/kg

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
NIST-1548B	Typical Diet - Trace elements	2x5g	15
	Analyte	CAS Number	Analyte Concentration
	Aluminium	7429-90-5	67.8mg/kg
	Arsenic	7440-38-2	0.0355mg/kg
	Barium	7440-39-3	0.85mg/kg
	Cadmium	7440-43-9	0.0327mg/kg
	Calcium	7440-70-2	1604mg/kg
	Chlorine	7782-50-5	10770mg/kg
	Copper	7440-50-8	2.03mg/kg
	Iron	7439-89-6	28.9mg/kg
	Lead	7439-92-1	2410mg/kg
	Magnesium	7439-95-4	538mg/kg
	Manganese	7439-96-5	6.3mg/kg
	Potassium	7440-09-7	5950mg/kg
	Sodium	7440-23-5	6980mg/kg
	Strontium	7440-24-6	3.69mg/kg
	Zinc	7440-66-6	19.1mg/kg

Product Code	Product Description	Pack size	Number of Analytes
NIST-1566B	Oyster Tissue - Trace elements and methyl mercury	25g	22
	Analyte	CAS Number	Analyte Concentration
	Aluminium	7429-90-5	197.2mg/kg
	Arsenic	7440-38-2	7.65mg/kg
	Cadmium	7440-43-9	2.48mg/kg
	Calcium	7440-70-2	0.0838%
	Chlorine	7782-50-5	0.514%
	Cobalt	7440-48-4	0.371mg/kg
	Copper	7440-50-8	71.6mg/kg
	Iron	7439-89-6	205.8mg/kg
	Lead	7439-92-1	0.308mg/kg
	Magnesium	7439-95-4	0.1085%
	Manganese	7439-96-5	18.5mg/kg
	Mercury	7439-97-6	0.0371mg/kg
	Methylmercury	22967-92-6	0.0132mg/kg
	Nickel	7440-02-0	1.04mg/kg
	Potassium	7440-09-7	0.652%
	Rubidium	7440-17-7	3.26mg/kg
	Selenium	7782-49-2	2.06mg/kg
	Silver	7440-22-4	0.666mg/kg
	Sodium	7440-23-5	0.3297%
	Thorium	7440-29-1	0.0367mg/kg
	Vanadium	7440-62-2	0.577mg/kg
	Zinc	7440-66-6	1424mg/kg

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
NIST-1567B	Wheat flour - Trace elements	50g	15
	Analyte	CAS Number	Analyte Concentration
	Cadmium	7440-43-9	0.0254mg/kg
	Calcium	7440-70-2	191.4mg/kg
	Chlorine	7782-50-5	565.3mg/kg
	Copper	7440-50-8	2.03mg/kg
	Iron	7439-89-6	14.11mg/kg
	Lead	7439-92-1	0.0104mg/kg
	Magnesium	7439-95-4	398mg/kg
	Manganese	7439-96-5	9mg/kg
	Molybdenum	7439-98-7	0.464mg/kg
	Phosphorus	7723-14-0	1333mg/kg
	Potassium	7440-09-7	1325mg/kg
	Rubidium	7440-17-7	0.671mg/kg
	Selenium	7782-49-2	1.14mg/kg
Sodium	7440-23-5	6.71mg/kg	
Zinc	7440-66-6	11.61mg/kg	

Product Code	Product Description	Pack size	Number of Analytes
NIST-1568B	Rice flour - Trace elements	50g	20
	Analyte	CAS Number	Analyte Concentration
	Aluminium	7429-90-5	4.21mg/kg
	Arsenic	7440-38-2	0.285mg/kg
	Bromine	7726-95-6	8.31mg/kg
	Cacodylic acid	75-60-5	0.18mg/kg
	Cadmium	7440-43-9	0.0224mg/kg
	Calcium	7440-70-2	118.4mg/kg
	Chlorine	7782-50-5	301.1mg/kg
	Copper	7440-50-8	2.35mg/kg
	Iron	7439-89-6	7.42mg/kg
	Magnesium	7439-95-4	559mg/kg
	Manganese	7439-96-5	19.2mg/kg
	Mercury	7439-97-6	0.00591mg/kg
	Methylarsonic Acid	124-58-3	0.0116mg/kg
	Molybdenum	7439-98-7	1.451mg/kg
	Phosphorus	7723-14-0	1530mg/kg
	Potassium	7440-09-7	1282mg/kg
	Rubidium	7440-17-7	6.198mg/kg
	Selenium	7782-49-2	0.365mg/kg
Sodium	7440-23-5	6.74mg/kg	
Zinc	7440-66-6	19.42mg/kg	

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
NIST-1570A	Spinach leaves - Trace elements	60g	18
	Analyte	CAS Number	Analyte Concentration
	Aluminium	7429-90-5	310mg/kg
	Arsenic	7440-38-2	0.068mg/kg
	Boron	7440-42-8	37.7mg/kg
	Cadmium	7440-43-9	2.876mg/kg
	Calcium	7440-70-2	1.526%
	Cobalt	7440-48-4	0.393mg/kg
	Copper	7440-50-8	12.22mg/kg
	Manganese	7439-96-5	76mg/kg
	Mercury	7439-97-6	0.0297mg/kg
	Nickel	7440-02-0	2.142mg/kg
	Phosphorus	7723-14-0	0.5187%
	Potassium	7440-09-7	2.9%
	Selenium	7782-49-2	0.1152mg/kg
	Sodium	7440-23-5	1.821%
	Strontium	7440-24-6	55.54mg/kg
	Thorium	7440-29-1	0.048mg/kg
	Vanadium	7440-62-2	0.568mg/kg
	Zinc	7440-66-6	82.3mg/kg

Product Code	Product Description	Pack size	Number of Analytes
NIST-1573A	Tomato leaves - Trace elements	50g	21
	Analyte	CAS Number	Analyte Concentration
	Aluminium	7429-90-5	598mg/kg
	Antimony	7440-36-0	0.063mg/kg
	Arsenic	7440-38-2	0.112mg/kg
	Boron	7440-42-8	33.3mg/kg
	Cadmium	7440-43-9	1.52mg/kg
	Calcium	7440-70-2	5.05%
	Chromium	7440-47-3	1.99mg/kg
	Cobalt	7440-48-4	0.57mg/kg
	Copper	7440-50-8	4.7mg/kg
	Iron	7439-89-6	368mg/kg
	Manganese	7439-96-5	246mg/kg
	Mercury	7439-97-6	0.034mg/kg
	Nickel	7440-02-0	1.59mg/kg
	Nitrogen	7727-37-9	3.03%
	Phosphorus	7723-14-0	0.216%
	Potassium	7440-09-7	2.7%
	Rubidium	7440-17-7	14.89mg/kg
	Selenium	7782-49-2	0.054mg/kg
	Sodium	7440-23-5	136mg/kg
	Vanadium	7440-62-2	0.835mg/kg
	Zinc	7440-66-6	30.9mg/kg

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
NIST-1577C	Bovine liver - Trace elements	20g	19
	Analyte	CAS Number	Analyte Concentration
	Arsenic	7440-38-2	19.6ppb
	Cadmium	7440-43-9	97ppb
	Calcium	7440-70-2	131mg/kg
	Chromium	7440-47-3	53ppb
	Cobalt	7440-48-4	0.3mg/kg
	Copper	7440-50-8	275.2mg/kg
	Iron	7439-89-6	197.94mg/kg
	Lead	7439-92-1	62.8ppb
	Magnesium	7439-95-4	620mg/kg
	Manganese	7439-96-5	10.46mg/kg
	Molybdenum	7439-98-7	3.3mg/kg
	Nickel	7440-02-0	44.5ppb
	Potassium	7440-09-7	1.023%
	Selenium	7782-49-2	2.031mg/kg
	Silver	7440-22-4	5.9ppb
	Sodium	7440-23-5	0.2033%
	Strontium	7440-24-6	95.3ppb
	Vanadium	7440-62-2	8.17ppb
	Zinc	7440-66-6	181.1mg/kg

Product Code	Product Description	Pack size	Number of Analytes
NIST-2385	Slurried Spinach	4x70g	7
	Analyte	CAS Number	Analyte Concentration
	Calcium	7440-70-2	624mg/kg
	Iron	7439-89-6	17.1mg/kg
	Magnesium	7439-95-4	368mg/kg
	Manganese	7439-96-5	3.81mg/kg
	Phosphorus	7723-14-0	323.7mg/kg
	Potassium	7440-09-7	3650mg/kg
	Zinc	7440-66-6	8.37mg/kg

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
NIST-2386	Avocado Powder	5x10g	22
	Analyte	CAS Number	Analyte Concentration
	Cadmium	7440-43-9	0.142mg/kg
	Calcium	7440-70-2	777mg/kg
	Choline	62-49-7	1470mg/kg
	Copper	7440-50-8	16.22mg/kg
	D-Pantothenic acid	79-83-4	67mg/kg
	Iron	7439-89-6	33.6mg/kg
	L-Ascorbic Acid	50-81-7	186mg/kg
	L-Carnitine	541-15-1	2.15mg/kg
	Magnesium	7439-95-4	2000mg/kg
	Manganese	7439-96-5	10.72mg/kg
	Niacin (Nicotinic Acid)	59-67-6	107mg/kg
	Nicotinamide (Vitamin B3)	98-92-0	6.56mg/kg
	Phosphorus	7723-14-0	3590mg/kg
	Potassium	7440-09-7	36400mg/kg
	Pyridoxal	66-72-8	1.81mg/kg
	Sodium	7440-23-5	870mg/kg
	Thiamine	59-43-8	1.82mg/kg
	Total Vitamin B3		101mg/kg
	Total Vitamin B6 as Pyridoxine		5.4mg/kg
	Vitamin B2 (Riboflavin)	83-88-5	7.7mg/kg
	Vitamin B6 (Pyridoxine)	65-23-6	3.6mg/kg
	Zinc	7440-66-6	36.6mg/kg

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
NIST-3031	Dimethylarsinic Acid Standard Solution	Cacodylic acid	2x5ml	75-60-5	20.47mg/kg

Product Code	Product Description	Pack size	Number of Analytes
NIST-3035	Arsenic Species in Apple Juice	5x1.5ml	5
	Analyte	CAS Number	Analyte Concentration
	Arsenic	7440-38-2	24.92ppb
	Arsenic Acid	7778-39-4	6.35ppb
	Arsenous Acid	13464-58-9	5.17ppb
	Cacodylic acid	75-60-5	5.23ppb
	Methylarsonic Acid	124-58-3	9.38ppb

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
NIST-3262	St. John's Wort (<i>Hypericum perforatum</i> L.) Aerial Parts	each	3
	Analyte	CAS Number	Analyte Concentration
	Arsenic	7440-38-2	0.152mg/kg
	Cadmium	7440-43-9	0.3638mg/kg
	Mercury	7439-97-6	0.01479mg/kg

Product Code	Product Description	Pack size	Number of Analytes
NIST-3279	Chromium Dietary Supplement	5x6g	2
	Analyte	CAS Number	Analyte Concentration
	Chromium	7440-47-3	1299mg/kg
	Vanadium	7440-62-2	(2032)mg/kg

Product Code	Product Description	Pack size	Number of Analytes
NIST-3281	Cranberry (Fruit) - Organic acids	5x6g	10
	Analyte	CAS Number	Analyte Concentration
	Calcium	7440-70-2	514mg/kg
	Copper	7440-50-8	3.65mg/kg
	Iron	7439-89-6	26.3mg/kg
	Magnesium	7439-95-4	429mg/kg
	Manganese	7439-96-5	21.59mg/kg
	Phosphorus	7723-14-0	807mg/kg
	Potassium	7440-09-7	7680mg/kg
	Quinic Acid	77-95-2	4.78%
	Sodium	7440-23-5	263mg/kg
	Zinc	7440-66-6	6.69mg/kg

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
NIST-3282	Low-calorie cranberry juice cocktail - Organic acids, Trace elements	5x1.2ml	9
	Analyte	CAS Number	Analyte Concentration
	Calcium	7440-70-2	26.3mg/kg
	Citric Acid	77-92-9	0.3221%
	Copper	7440-50-8	0.231mg/kg
	DL-Malic Acid	6915-15-7	0.2133%
	Magnesium	7439-95-4	12.97mg/kg
	Manganese	7439-96-5	0.493mg/kg
	Potassium	7440-09-7	247mg/kg
	Quinic Acid	77-95-2	0.2672%
	Sodium	7440-23-5	201mg/kg

Product Code	Product Description	Pack size	Number of Analytes
NIST-3294	Multielement Tablets	Set 5x5ml	18
	Analyte	CAS Number	Analyte Concentration
	Arsenic	7440-38-2	0.132mg/kg
	Boron	7440-42-8	0.141mg/g
	Cadmium	7440-43-9	0.08015mg/kg
	Calcium	7440-70-2	110.7mg/g
	Chloride	16887-00-6	53mg/g
	Chromium	7440-47-3	93.7mg/kg
	Copper	7440-50-8	1.4mg/g
	Iodine	7553-56-2	0.1327mg/g
	Iron	7439-89-6	12.35mg/g
	Lead	7439-92-1	0.2727mg/kg
	Magnesium	7439-95-4	67.8mg/g
	Manganese	7439-96-5	1.44mg/g
	Molybdenum	7439-98-7	70.7mg/kg
	Nickel	7440-02-0	8.43mg/kg
	Phosphorus	7723-14-0	75.7mg/g
	Potassium	7440-09-7	53.1mg/g
	Selenium	7782-49-2	17.42mg/kg
	Zinc	7440-66-6	10.15mg/g

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
NIST-3530	Iodized Table Salt (Iodide)	Iodine	200g	7553-56-2	0.00522%

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
NIST-3035	Arsenic Species in Apple Juice	5x1.5ml	5
	Analyte	CAS Number	Analyte Concentration
	Arsenic	7440-38-2	0.02%
	Cadmium	7440-43-9	0.00169%
	Calcium	7440-70-2	2.26%
	Chromium	7440-47-3	0.0244%
	Cobalt	7440-48-4	0.00653%
	Copper	7440-50-8	0.1225%
	Iron	7439-89-6	3.99%
	Lead	7439-92-1	0.0273%
	Magnesium	7439-95-4	1.79%
	Manganese	7439-96-5	0.305%
	Mercury	7439-97-6	0.0001955%
	Molybdenum	7439-98-7	0.002%
	Nickel	7440-02-0	0.0135%
	Potassium	7440-09-7	11.65%
	Sodium	7440-23-5	0.405%
	Vanadium	7440-62-2	0.0122%
Zinc	7440-66-6	0.325%	

Product Code	Product Description	Pack size	Number of Analytes
LGC7162	Strawberry leaves - Trace elements	20g	24
	Analyte	CAS Number	Analyte Concentration
	Aluminium	7429-90-5	(0.1)g/100g
	Arsenic	7440-38-2	0.28mg/kg
	Barium	7440-39-3	107mg/kg
	Cadmium	7440-43-9	0.17mg/kg
	Calcium	7440-70-2	1.53g/100g
	Chromium	7440-47-3	2.15mg/kg
	Cobalt	7440-48-4	0.47mg/kg
	Copper	7440-50-8	(10)mg/kg
	Iron	7439-89-6	818mg/kg
	Lead	7439-92-1	1.8mg/kg
	Lithium	7439-93-2	(0.7)mg/kg
	Magnesium	7439-95-4	0.377g/100g
	Manganese	7439-96-5	171mg/kg
	Mercury	7439-97-6	0.027mg/kg
	Molybdenum	7439-98-7	0.32mg/kg
	Nickel	7440-02-0	2.6mg/kg
	Nitrogen	7727-37-9	2.01g/100g
	Phosphorus	7723-14-0	0.26g/100g
	Potassium	7440-09-7	1.96g/100g
	Selenium	7782-49-2	(0.04)mg/kg

Continued on next page

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Continued from previous page

Analyte	CAS Number	Analyte Concentration
Sodium	7440-23-5	(210)mg/kg
Strontium	7440-24-6	64mg/kg
Vanadium	7440-62-2	(1.8)mg/kg
Zinc	7440-66-6	24mg/kg

Product Code	Product Description	Pack size	Number of Analytes
LGC7164	Crab paste - Proximates and Elements	140g	18
	Analyte	CAS Number	Analyte Concentration
	Arsenic	7440-38-2	(13.8)mg/kg
	Ash		2.855g/100g
	Cadmium	7440-43-9	9.2mg/kg
	Calcium	7440-70-2	348mg/100g
	Chloride	16887-00-6	0.78g/100g
	Cobalt	7440-48-4	(0.131)mg/kg
	Copper	7440-50-8	20.1mg/kg
	Iron	7439-89-6	(3.17)mg/100g
	Lead	7439-92-1	0.0697mg/kg
	Magnesium	7439-95-4	43.1mg/100g
	Manganese	7439-96-5	3.28mg/kg
	Moisture		59.26g/100g
	Nitrogen	7727-37-9	3.541g/100g
	Phosphorus	7723-14-0	564mg/100g
	Potassium	7440-09-7	179mg/100g
	Sodium	7440-23-5	463mg/100g
	Total fat		12.13g/100g
	Zinc	7440-66-6	56.8mg/kg

Food, Feed and Beverages

**Composition
Elements and
Attributes:
Radionucleotides
& Isotopes**



Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
BCR-656	ABSOLUTE ALCOHOL (carbon-13 and deuterium isotopic ratio content)	25ml	2
	Analyte	CAS Number	Analyte Concentration
	Carbon-13	14762-74-4	(26.91)‰
	Ethanol	64-17-5	(94)%

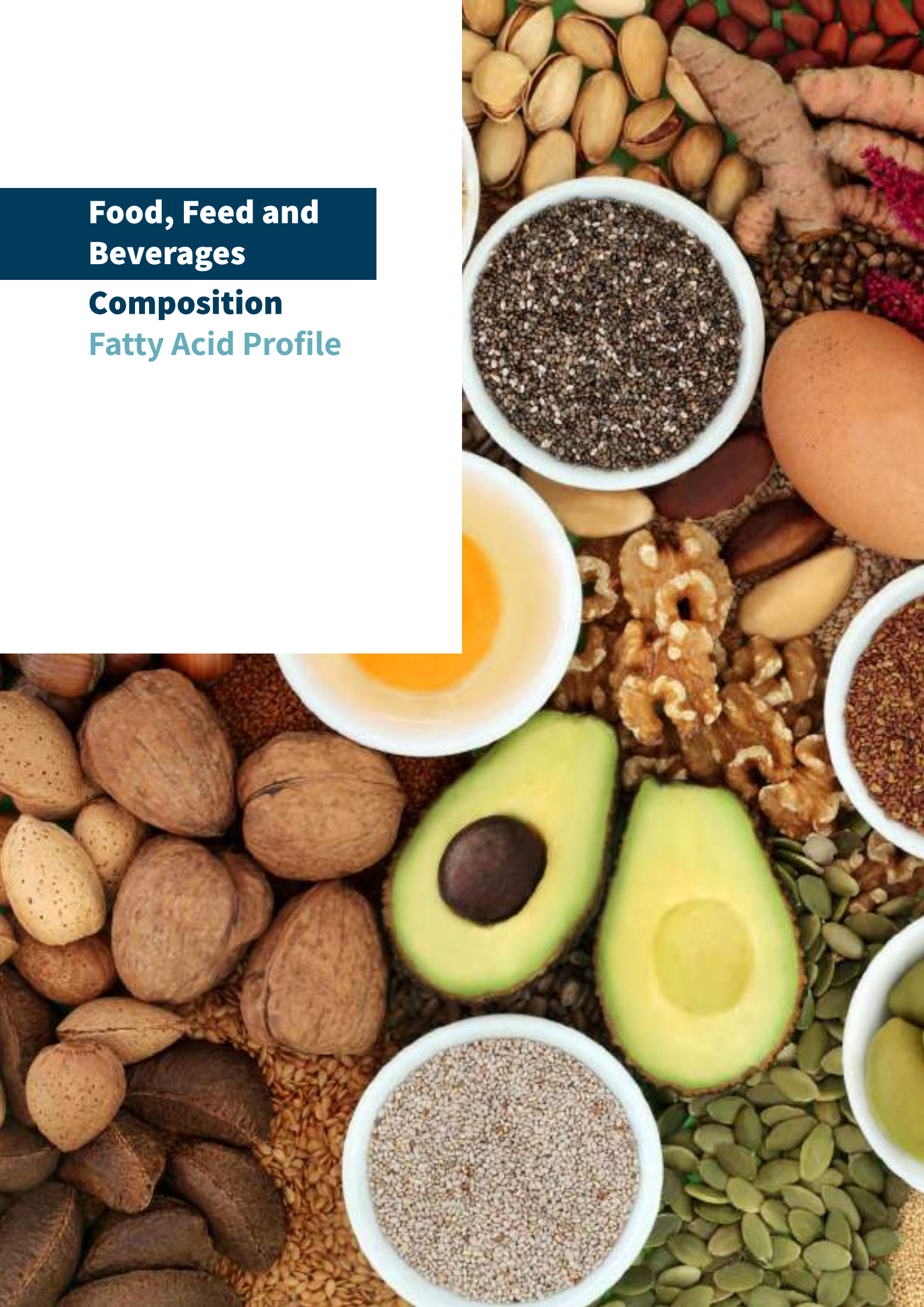
Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
BCR-657	Sugar (glucose) - Carbon-13 isotope ratio	Carbon-13	1g	14762-74-4	(10.76)‰

Product Code	Product Description	Pack size	Number of Analytes
BCR-660	ALCOHOLIC SOLUTION (carbon-13 and deuterium isotopic ratio content)	450ml	2
	Analyte	CAS Number	Analyte Concentration
	Carbon-13	14762-74-4	(26.72)‰
	Ethanol	64-17-5	11.96%



Food, Feed and Beverages

Composition Fatty Acid Profile



Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
BCR-162R	Soya-maize oil blend - Fatty acids	5.5g	5
	Analyte	CAS Number	Analyte Concentration
	cis alpha-Linolenic acid (ALA)	463-40-1	3.35g/100g
	Linoleic Acid	60-33-3	54.13g/100g
	Oleic Acid	112-80-1	25.4g/100g
	Palmitic Acid	57-10-3	10.74g/100g
	Stearic Acid	57-11-4	2.82g/100g

Product Code	Product Description	Pack size	Number of Analytes
MUVA-FM-2107	Fatty acid distribution (Milk powder, spray dried)	80g	13
	Analyte	CAS Number	Analyte Concentration
	Butyric Acid	107-92-6	3.66g/100g
	Capric Acid	334-48-5	3.05g/100g
	Caproic Acid	142-62-1	2.25g/100g
	Caprylic Acid	124-07-2	1.32g/100g
	Lauric Acid	143-07-7	3.39g/100g
	Linoleic Acid	60-33-3	1.55g/100g
	Myristic Acid	544-63-8	11.57g/100g
	Myristoleic acid	544-64-9	1g/100g
	Oleic Acid	112-80-1	20.33g/100g
	Palmitic Acid	57-10-3	29.49g/100g
	Palmitoleic acid	373-49-9	1.57g/100g
	Stearic Acid	57-11-4	9.73g/100g
	Total trans fatty acids		1g/100g



Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
NIST-3275	Fish oil - Omega-3 and omega-6 fatty acids	6x1.2ml	13
	Analyte	CAS Number	Analyte Concentration
	Arachidic acid	506-30-9	0.0357%
	Behenic Acid	112-85-6	0.402%
	cis Eicosapentaenoic acid (EPA)	10417-94-4	11.3%
	cis-Vaccenic Acid	506-17-2	0.533%
	Erucic Acid	112-86-7	0.343%
	Gondoic Acid	5561-99-9	0.666%
	Lauric Acid	143-07-7	0.095%
	Linoleic Acid	60-33-3	0.231%
	Myristic Acid	544-63-8	0.1094%
	Oleic Acid	112-80-1	1.125%
	Palmitic Acid	57-10-3	0.525%
	Palmitoleic acid	373-49-9	0.743%
	Stearic Acid	57-11-4	0.422%

Product Code	Product Description	Pack size	Number of Analytes
NIST-8037	Krill Oil	3x4.5ml	22
	Analyte	CAS Number	Analyte Concentration
	(all-cis)-7,10,13,16,19-Docosapentaenoic Acid	24880-45-3	3.28mg/g
	Arachidonic Acid	506-32-1	2.49mg/g
	Behenic Acid	112-85-6	0.31mg/g
	Capric Acid	334-48-5	3.15mg/g
	Caprylic Acid	124-07-2	0.061mg/g
	cis alpha-Linolenic acid (ALA)	463-40-1	8.5mg/g
	cis-Docosahexaenoic Acid (DHA)	6217-54-5	74mg/g
	cis Eicosapentaenoic acid (EPA)	10417-94-4	118.8mg/g
	cis-Vaccenic Acid	506-17-2	39.7mg/g
	Erucic Acid	112-86-7	3.5mg/g
	gamma-Linolenic Acid	506-26-3	1.17mg/g
	Gondoic Acid	5561-99-9	3.88mg/g
	Lauric Acid	143-07-7	1.35mg/g
	Lignoceric Acid	557-59-5	0.43mg/g
	Linoleic Acid	60-33-3	16.3mg/g
	Myristic Acid	544-63-8	60mg/g
	Myristoleic acid	544-64-9	1.05mg/g
	Nervonic Acid	506-37-6	1.08mg/g
	Oleic Acid	112-80-1	60.8mg/g
	Palmitic Acid	57-10-3	128.5mg/g
	Palmitoleic acid	373-49-9	33.8mg/g
	Stearic Acid	57-11-4	6.9mg/g

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
NIST-8182	Fatty Acid Methyl Esters in 2,2,4-Tri-methylpentane	5x1.2ml	26
	Analyte	CAS Number	Analyte Concentration
	alpha-Linolenic Acid Methyl Ester	301-00-8	0.43%
	Arachidic Methyl Ester	1120-28-1	0.37%
	Arachidonic Acid Methyl Ester	2566-89-4	0.15%
	Behenic Acid Methyl Ester	929-77-1	0.43 %
	Capric Acid Methyl Ester	110-42-9	0.75%
	Caprylic Acid Methyl Ester	111-11-50	0.73%
	DHA Methyl Ester	2566-90-7	0.16%
	DPA Methyl Ester	108698-02-8	0.14%
	Elaidic Acid Methyl Ester	1937-62-8	0.2%
	EPA Methyl Ester	2734-47-6	0.15%
	Erucic Acid Methyl Ester	1120-34-9	0.22%
	gamma-Linolenic Acid Methyl Ester	16326-32-2	0.18%
	Gondoic Acid Methyl Ester	2390-09-2	0.19%
	Lauric Acid Methyl Ester	111-82-0	0.79%
	Lignoceric Acid Methyl Ester	2442-49-10	0.18%
	Linoelaidic Acid Methyl Ester	2566-97-4	0.2%
	Linoleic Acid Methyl Ester	112-63-0	0.73%
	Myristic Acid Methyl Ester	124-10-71	0.71%
	Myristoleic Acid Methyl Ester	56219-06-8	0.19%
	Nervonic Acid Methyl Ester	2733-88-2	0.17%
	Oleic Acid Methyl Ester	112-62-9	0.7%
	Palmitic Acid Methyl Ester	112-39-0	0.74%
	Palmitoleic Acid Methyl Ester	1120-25-8	0.5%
	Stearic Acid Methyl Ester	112-61-8	0.77%
	trans-Vaccenic Acid Methyl Ester	6198-58-9	0.24%
	Vaccenic Acid Methyl Ester	1937-63-9	0.23%

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
NIST-8183	Omega-3 and Omega-6 Fatty Acids in Botanical Oils	4x1.2ml	4
	Analyte	CAS Number	Analyte Concentration
	Borage seed oil fatty acids	Range of fatty acids including	Z)-9-Octadecenoic Acid (C18:1 n-9) (Oleic Acid) 148.7mg/g (E)-9-Octadecenoic Acid (t-C18:1 n-9) (Elaidic Acid) 0.117mg/g 9,12-Octadecadienoic Acid (C18:2 n-6) (Linoleic Acid) 374mg/g 6,9,12-Octadecatrienoic Acid (C18:3 n-6) (γ-Linolenic Acid) 251mg/g Heneicosanoic Acid (C21:0) 2.36mg/g (Z)-15-Tetracosenoic Acid (C24:1) (Nervonic Acid) 7.8mg/g
	Evening Primrose seed oil fatty acids	Range of fatty acids including:	9,12-Octadecadienoic Acid (C18:2 n-6) (Linoleic Acid) 742mg/g 6,9,12-Octadecatrienoic Acid (C18:3 n-6) (γ-Linolenic Acid) 99.9mg/g (Z)-11-Eicosenoic Acid (C20:1 n-9) (Gondoic Acid) 1.84mg/g
	Flax seed oil fatty acids	Range of fatty acids including:	(Z)-9-Octadecenoic Acid (C18:1 n-9) (Oleic Acid) 165.7mg/g (Z,Z,Z,Z)-5,8,11,14-Eicosatetraenoic Acid (C20:4 n-6) (Arachidonic Acid) 0.633mg/g (Z,Z,Z)-9,12,15-Octadecatrienoic Acid (C18:3 n-3) (α-Linolenic Acid) 579mg/g
	Perilla seed oil fatty acids	Range of fatty acids including:	(Z)-9-Hexadecenoic Acid (C16:1 n-7) (Palmitoleic Acid) 0.776mg/g (Z)-9-Octadecenoic Acid (C18:1 n-9) (Oleic Acid) 166.8mg/g (Z)-11-Octadecenoic Acid (C18:1 n-7) (Vaccenic Acid) 7.89mg/g (Z,Z,Z)-9,12,15-Octadecatrienoic Acid (C18:3 n-3) (α-Linolenic Acid) 629mg/g (Z)-15-Tetracosenoic Acid (C24:1) (Nervonic Acid) 0.084mg/g



Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
NIST-8256	Wild-caught Coho Salmon	2x60g	24
	Analyte	CAS Number	Analyte Concentration
	(all-cis)-7,10,13,16,19-Docosapentaenoic Acid	24880-45-3	0.052g/100g
	cis alpha-Linolenic acid (ALA)	463-40-1	0.032g/100g
	cis-Docosahexaenoic Acid (DHA)	6217-54-5	0.667g/100g
	cis Eicosapentaenoic acid (EPA)	10417-94-4	0.222g/100g
	cis-Vaccenic Acid	506-17-2	0.044g/100g
	Crude fat		3.73%
	Eicosadienoic acid	5598-38-9	0.023g/100g
	Erucic Acid	112-86-7	0.023g/100g
	Gondoic Acid	5561-99-9	0.135g/100g
	Linoleic Acid	60-33-3	0.048g/100g
	Monounsaturated Fat		0.683g/100g
	Myristic Acid	544-63-8	0.127g/100g
	Nervonic Acid	506-37-6	0.038g/100g
	Oleic Acid	112-80-1	0.342g/100g
	Omega-3 fatty acids		1.026g/100g
	Omega-6 fatty acids		0.071g/100g
	Palmitic Acid	57-10-3	0.502g/100g
	Palmitoleic acid	373-49-9	0.1g/100g
	Polyunsaturated Fat		1.097g/100g
	Saturated Fat		0.727g/100g
	Stearic Acid	57-11-4	0.099g/100g
	Stearidonic Acid	20290-75-9	0.053g/100g
	Total fat		2.508g/100g
Total Protein		23.77%	

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
NIST-8257	Aquacultured Coho Salmon	2x60g	31
	Analyte	CAS Number	Analyte Concentration
	(all-cis)-7,10,13,16,19-Docosapentaenoic Acid	24880-45-3	0.259g/100g
	all-cis-8,11,14-Eicosatrienoic acid	1783-84-2	0.023g/100g
	Arachidic acid	506-30-9	0.022g/100g
	Arachidonic Acid	506-32-1	0.095g/100g
	cis-10-Heptadecenoic acid	29743-97-3	0.02g/100g
	cis alpha-Linolenic acid (ALA)	463-40-1	0.132g/100g
	cis-Docosahexaenoic Acid (DHA)	6217-54-5	0.97g/100g
	cis Docosapentaenoic acid (DPA)	25182-74-5	0.0348g/100g
	cis Eicosapentaenoic acid (EPA)	10417-94-4	0.616g/100g
	cis-Vaccenic Acid	506-17-2	0.277g/100g
	Crude fat		9.87%
	Eicosadienoic acid	5598-38-9	0.056g/100g
	Erucic Acid	112-86-7	0.02g/100g
	gamma-Linolenic Acid	506-26-3	0.02g/100g
	Gondoic Acid	5561-99-9	0.136g/100g
	Linoleic Acid	60-33-3	0.685g/100g
	Margaric Acid	506-12-7	0.034g/100g
	Monounsaturated Fat		2.948g/100g
	Myristic Acid	544-63-8	0.39g/100g
	Oleic Acid	112-80-1	1.903g/100g
	Omega-3 fatty acids		2.074g/100g
	Omega-6 fatty acids		0.913g/100g
	Palmitic Acid	57-10-3	1.527g/100g
	Palmitoleic acid	373-49-9	0.592g/100g
	Pentadecanoic acid (Pentadecylic acid)	1002-84-2	0.033g/100g
	Polyunsaturated Fat		2.987g/100g
	Saturated Fat		2.398g/100g
	Stearic Acid	57-11-4	0.392g/100g
	Stearidonic Acid	20290-75-9	0.097g/100g
	Total fat		8.333g/100g
Total Protein		20.6%	

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
NIST-8258	Wild-caught Shrimp	8g	15
	Analyte	CAS Number	Analyte Concentration
	Arachidonic Acid	506-32-1	0.039%
	cis-Docosahexaenoic Acid (DHA)	6217-54-5	0.063%
	cis Eicosapentaenoic acid (EPA)	10417-94-4	0.083%
	Crude fat		0.721%
	Monounsaturated Fat		0.069%
	Oleic Acid	112-80-1	0.041%
	Omega-3 fatty acids		0.146%
	Omega-6 fatty acids		0.039%
	Palmitic Acid	57-10-3	0.074%
	Palmitoleic acid	373-49-9	0.028%
	Polyunsaturated Fat		0.185%
	Saturated Fat		0.137%
	Stearic Acid	57-11-4	0.063%
	Total fat		0.39%
Total Protein		21.63%	

Product Code	Product Description	Pack size	Number of Analytes
NIST-8259	Aquacultured Shrimp	8g	15
	Analyte	CAS Number	Analyte Concentration
	Arachidonic Acid	506-32-1	0.029%
	cis-Docosahexaenoic Acid (DHA)	6217-54-5	0.052%
	cis Eicosapentaenoic acid (EPA)	10417-94-4	0.082%
	Crude fat		0.643%
	Linoleic Acid	60-33-3	0.101%
	Monounsaturated Fat		0.08%
	Oleic Acid	112-80-1	0.08%
	Omega-3 fatty acids		0.133%
	Omega-6 fatty acids		0.129%
	Palmitic Acid	57-10-3	0.109%
	Polyunsaturated Fat		0.262%
	Saturated Fat		0.173%
	Stearic Acid	57-11-4	0.064%
	Total fat		0.515%
Total Protein		19.3%	

**Food, Feed and
Beverages**

Composition
GMO



Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
ERM-BF410AP	Soya seed powder - GTS 40-3-2 Soya (0%)	GMO content	1g		<0.09g/100g
ERM-BF410BP	GTS 40-3-2 SOYA BEAN (>98 %)	GMO content	1g		>98g/100g
ERM-BF410CP	GTS 40-3-2 Soya Bean (level 1 - nominal 0.1 % GMO)	GTS 40-3-2 soya bean	1g		0.1g/100g
ERM-BF410DP	Soya seed powder - GTS 40-3-2 Soya (1%)	GMO content	1g		1g/100g
ERM-BF410EP	Genetically modified soya bean powder - GTS 40-3-2 Soya (10%)	GMO content	1g		10g/100g
ERM-BF411A	Genetically Modified Bt-176 Maize (0%)	GMO content	1g		<0.14g/kg
ERM-BF411B	Genetically Modified Bt-176 Maize (0.1%)	GMO content	1g		1g/kg
ERM-BF411C	Genetically Modified Bt-176 Maize (0.5%)	GMO content	1g		5g/kg
ERM-BF411D	Genetically Modified Bt-176 Maize (1%)	GMO content	1g		10g/kg
ERM-BF411E	Genetically Modified Bt-176 Maize (2%)	GMO content	1g		20g/kg
ERM-BF411G	Maize (nominal 100% GMO)	Bt-176 maize	1g		1000g/kg
ERM-BF412AK	Genetically Modified Bt-11 Maize (0%, blank)	GMO content	1g		<0.12g/kg
ERM-BF412BK	Genetically Modified Bt-11 Maize (level 1, 100%)	GMO content	1g		>970g/kg
ERM-BF412CK	Genetically Modified Bt-11 Maize (level 2, 0.1% GMO)	GMO content	1g		0.99g/kg
ERM-BF412DK	Genetically Modified Bt-11 Maize (level 3, 1% GMO)	GMO content	1g		9.9g/kg
ERM-BF412EK	Genetically Modified Bt-11 Maize (level 4, 10% GMO)	GMO content	1g		99g/kg
ERM-BF413AK	Genetically modified MON-810 maize powder (blank)	GMO content	1g		<0.9g/kg
ERM-BF413CK	Genetically modified MON-810 maize powder (0.5%)	GMO content	1g		4.9g/kg
ERM-BF413EK	Genetically modified MON-810 maize powder (2%)	GMO content	1g		19.8g/kg
ERM-BF413GK	Genetically modified MON-810 maize powder (10%)	GMO content	1g		99g/kg
ERM-BF414A	Genetically modified GA21 Maize (0%)	GMO content	Vial		<0.8g/kg
ERM-BF414B	Genetically modified GA21 Maize (0.1%)	GMO content	Vial		1g/kg
ERM-BF414C	Genetically modified GA21 Maize (0.5%)	GMO content	Vial		4.9g/kg
ERM-BF414D	Genetically modified GA21 Maize (1%)	GMO content	Vial		9.9g/kg
ERM-BF414E	Genetically modified GA21 Maize (2%)	GMO content	Vial		17.2g/kg
ERM-BF414F	Genetically Modified Bt-176 Maize (5%)	GMO content	Vial		42.9g/kg
ERM-BF415A	Genetically modified NK603 Maize (0%)	GMO content	Vial		<0.4g/kg
ERM-BF415B	Genetically modified NK603 Maize (0.1%)	GMO content	Vial		1g/kg

Continued on next page

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Continued from previous page

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
ERM-BF415C	Genetically modified NK603 Maize (0.5%)	GMO content	Vial		4.9g/kg
ERM-BF415D	Genetically modified NK603 Maize (1%)	GMO content	Vial		9.8g/kg
ERM-BF415E	Genetically modified NK603 Maize (2%)	GMO content	Vial		19.6g/kg
ERM-BF415F	Genetically modified NK603 Maize (5%)	GMO content	Vial		49.1g/kg
ERM-BF416A	Genetically modified MON 863 Maize (0%)	GMO content	Vial		<1.0g/kg
ERM-BF416B	Genetically modified MON 863 Maize (0.1%)	GMO content	Vial		1g/kg
ERM-BF416C	Genetically modified MON 863 Maize (1%)	GMO content	Vial		9.8g/kg
ERM-BF416D	Genetically modified MON 863 Maize (10%)	GMO content	Vial		98.5g/kg
ERM-BF417A	Stacked Genetically modified MON 863 x MON 810 Maize	GMO content	Vial		<1.0g/kg
ERM-BF417B	MON 863 x MON 810 MAIZE (level 1 - nominal 0.1 % GMO)	GMO content	Vial		1g/kg
ERM-BF417C	MON 863 x MON 810 MAIZE (level 2 - nominal 1 % GMO)	GMO content	Vial		9.8g/kg
ERM-BF417D	MON 863 x MON 810 MAIZE (level 3 - nominal 10 % GMO)	GMO content	Vial		98.5g/kg
ERM-BF418A	Genetically modified 1507 Maize (0%)	GMO content	Vial		<0.5g/kg
ERM-BF418B	Genetically modified 1507 Maize (0.1%)	GMO content	Vial		1g/kg
ERM-BF418C	Genetically modified 1507 Maize (1%)	GMO content	Vial		9.9g/kg
ERM-BF418D	Genetically modified 1507 Maize (10%)	GMO content	Vial		98.6g/kg
ERM-BF419A	Genetically modified H7-1 Sugar Beet (blank)	GMO content	Vial		0g/kg
ERM-BF419B	H7-1 SUGAR BEET (level 1 - nominal 100 % GMO)	GMO content	Vial		1000g/kg
ERM-BF420A	Genetically modified 3272 Maize (0%)	GMO content	Vial		<1.3g/kg
ERM-BF420B	Genetically modified 3272 Maize (1%)	GMO content	Vial		9.8g/kg
ERM-BF420C	Genetically modified 3272 Maize (10%)	GMO content	Vial		98g/kg
ERM-BF421A	Genetically modified EH92-527-1 Potato (0%)	GMO content	Vial		0
ERM-BF421B	Genetically modified EH92-527-1 Potato (100%)	GMO content	Vial		1
ERM-BF422A	Genetically modified 281-24-236 x 3006-210-23 Cotton seed (0%)	GMO content	Vial		<0.5g/kg
ERM-BF422B	Genetically modified 281-24-236 x 3006-210-23 Cotton seed (100%)	GMO content	Vial		>979g/kg
ERM-BF422C	Genetically modified 281-24-236 x 3006-210-23 Cotton seed (1%)	GMO content	Vial		10g/kg

Continued on next page

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Continued from previous page

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
ERM-BF422D	Genetically modified 281-24-236 x 3006-210-23 Cotton seed (10%)	GMO content	Vial		100g/kg
ERM-BF423A	Genetically modified MIR604 Maize (0%)	GMO content	Vial		<0.9g/kg
ERM-BF423B	Genetically modified MIR604 Maize (0.1%)	GMO content	Vial		1g/kg
ERM-BF423C	Genetically modified MIR604 Maize (1%)	GMO content	Vial		9.8g/kg
ERM-BF423D	Genetically modified MIR604 Maize (10%)	GMO content	Vial		98.5g/kg
ERM-BF424A	Genetically modified 59122 Maize (0%)	GMO content	Vial		<1.2g/kg
ERM-BF424B	Genetically modified 59122 Maize (0.1%)	GMO content	Vial		1g/kg
ERM-BF424C	Genetically modified 59122 Maize (1%)	GMO content	Vial		9.9g/kg
ERM-BF424D	Genetically modified 59122 Maize (10%)	GMO content	Vial		98.7g/kg
ERM-BF425A	Genetically modified 356043 Soya seed (0%)	GMO content	Vial		<0.5g/kg
ERM-BF425B	Genetically modified 356043 Soya seed (0.1%)	GMO content	Vial		1g/kg
ERM-BF425C	SOYA 356043 (level 2 - nominal 1 % GMO), additional certification of	GMO content	Vial		10g/kg
ERM-BF425D	Genetically modified 356043 Soya seed (10%)	GMO content	Vial		100g/kg
ERM-BF426A	Genetically modified 305423 Soya seed (0%)	GMO content	Vial		<0.8g/kg
ERM-BF426B	Genetically modified 305423 Soya seed (0.5%)	GMO content	Vial		5g/kg
ERM-BF426C	Genetically modified 305423 Soya seed (1%)	GMO content	Vial		10g/kg
ERM-BF426D	Genetically modified 305423 Soya seed (10%)	GMO content	Vial		100g/kg
ERM-BF427A	Genetically modified 98140 Maize seed (blank)	GMO content	Vial		<0.4g/kg
ERM-BF427B	Genetically modified 98140 Maize seed (0.5%)	GMO content	Vial		5g/kg
ERM-BF427C	98140 MAIZE (level 2 - nominal 2 % GMO), additional certification of	GMO content	Vial		20g/kg
ERM-BF427D	Genetically modified 98140 Maize seed (10%)	GMO content	Vial		100g/kg
ERM-BF428A	Genetically modified GHB119 Cotton seed (blank)	GMO content	Vial		<0.2g/kg
ERM-BF428B	Genetically modified GHB119 Cotton seed (1%)	GMO content	Vial		10g/kg
ERM-BF428C	Genetically modified GHB119 Cotton seed (10%)	GMO content	Vial		100g/kg
ERM-BF429A	Genetically modified T304-40 Cotton seed (blank)	GMO content	Vial		<0.4g/kg
ERM-BF429B	Genetically modified T304-40 Cotton seed (1%)	GMO content	Vial		10g/kg

Continued on next page

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Continued from previous page

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
ERM-BF429C	Genetically modified T304-40 Cotton seed (10%)	GMO content	Vial		100g/kg
ERM-BF430A	Genetically modified AM04-1020 Potato (blank)	GMO content	1g		0g/kg
ERM-BF430B	Genetically modified AM04-1020 Potato (nominal 100% GMO)	GMO content	1g		positive
ERM-BF431A	AV43-6-G7 Potato (blank)	GMO content	Vial		0g/kg
ERM-BF431B	AV43-6-G7 Potato (nominal 100% GMO)	GMO content	Vial		positive
ERM-BF432A	DAS-68416-4 Soya Seed (blank)	GMO content	Vial		<0.3g/kg
ERM-BF432B	DAS-68416-4 Soya Seed (nominal 0.5 % GMO)	GMO content	Vial		5g/kg
ERM-BF432C	68416-4 Soya Seed (nominal 1.0 % GMO)	GMO content	Vial		10g/kg
ERM-BF432D	68416-4 Soya Seed (nominal 10.0 % GMO)	GMO content	Vial		100g/kg
ERM-BF433A	DAS-40278-9 Maize (blank)	GMO content	Vial		<0.3g/kg
ERM-BF433B	DAS-40278-9 Maize (nominal 0.5% GMO)	GMO content	Vial		5g/kg
ERM-BF433C	DAS-40278-9 Maize (nominal 1% GMO)	GMO content	Vial		10g/kg
ERM-BF433D	DAS-40278-9 Maize (nominal 10% GMO)	GMO content	Vial		100g/kg
ERM-BF434A	Genetically Modified 73496 Rapeseed Powder (0%)	GMO content	1g		<0.04g/kg
ERM-BF434B	Genetically Modified 73496 Rapeseed Powder (100%)	GMO content	1g		>988g/kg
ERM-BF434C	Genetically Modified 73496 Rapeseed Powder (0.1%)	GMO content	1g		1g/kg
ERM-BF434D	Genetically Modified 73496 Rapeseed Powder (1%)	GMO content	1g		10g/kg
ERM-BF434E	Genetically Modified 73496 Rapeseed Powder (10%)	GMO content	1g		100g/kg
ERM-BF435A	Genetically modified potato powder PH05-026-0048 (blank)	GMO content	Vial		<0.4g/kg
ERM-BF435B	Genetically modified potato powder PH05-026-0048 (positive)	GMO content	Vial		positive
ERM-BF436A	DAS-44406-6 Soya Seed (0%)	GMO content	Vial		<0.06g/kg
ERM-BF436B	DAS-44406-6 Soya Seed (100%)	GMO content	Vial		>986g/kg
ERM-BF436C	DAS-44406-6 Soya Seed (0.1%)	GMO content	Vial		1g/kg
ERM-BF436D	DAS-44406-6 Soya Seed (1%)	GMO content	Vial		10g/kg
ERM-BF436E	DAS-44406-6 Soya Seed (10%)	GMO content	Vial		100g/kg
ERM-BF437A	Genetically modified DAS-81419-2 Soya (0%)	GMO content	1g		<0.07g/kg
ERM-BF437B	Genetically modified DAS-81419-2 Soya (100%)	GMO content	1g		>986g/kg

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Food & Environmental Matrix Reference Materials Catalogue 2024

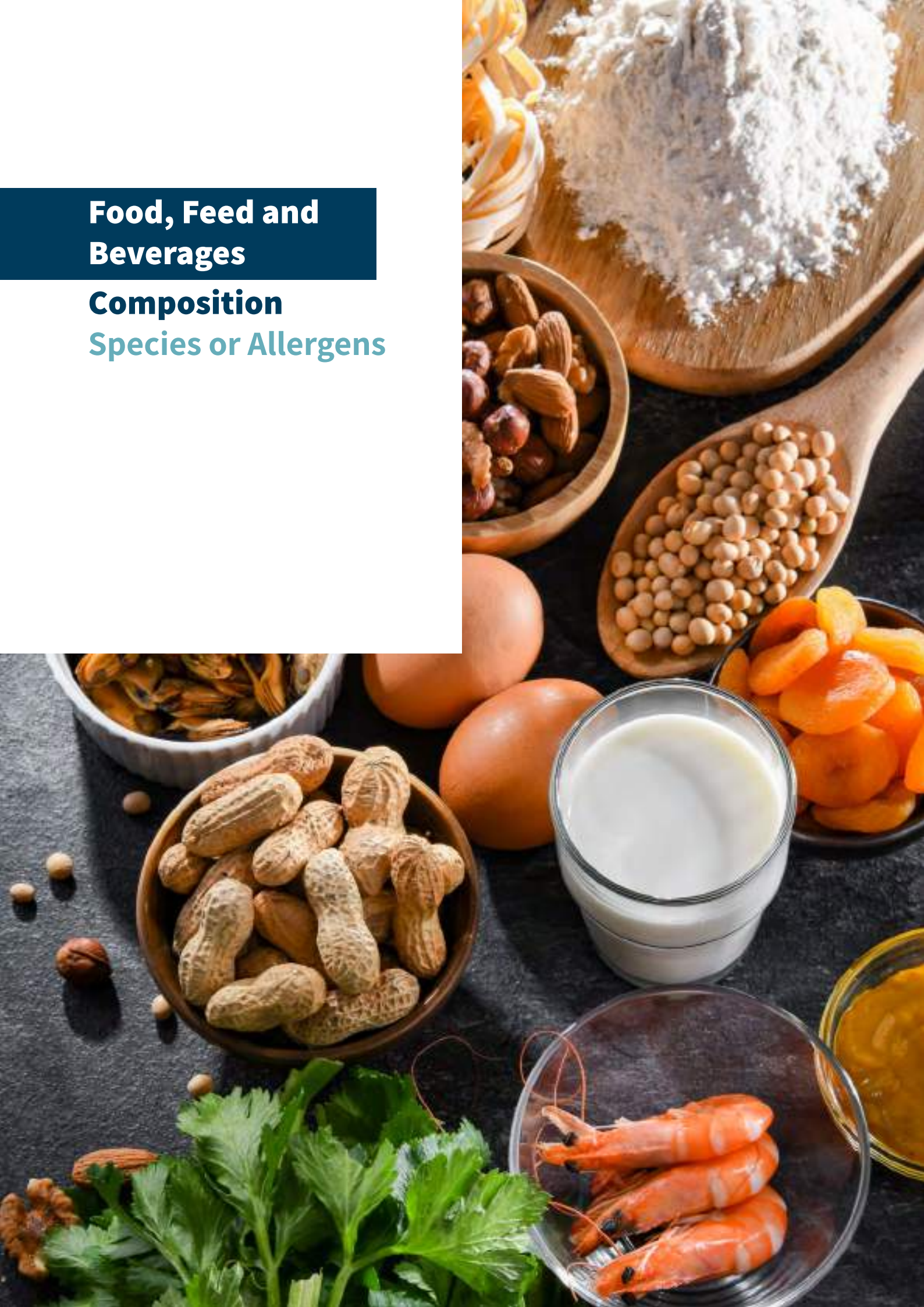
Product Listings: Food, Feed and Beverages

Continued from previous page

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
ERM-BF437C	Genetically modified DAS-81419-2 Soya (0.1%)	GMO content	1g		0.99g/kg
ERM-BF437D	Genetically modified DAS-81419-2 Soya (1%)	GMO content	1g		9.9g/kg
ERM-BF437E	Genetically modified DAS-81419-2 Soya (10%)	GMO content	1g		100g/kg
ERM-BF438A	Genetically modified VCO-Ø1981-5 Maize (blank)	GMO content	1g		<0.06g/kg
ERM-BF438B	Genetically modified VCO-Ø1981-5 Maize (nominal 100% GMO)	GMO content	1g		>986g/kg
ERM-BF438C	Genetically modified VCO-Ø1981-5 Maize (nominal 0.1% GMO)	GMO content	1g		1g/kg
ERM-BF438D	Genetically modified VCO-Ø1981-5 Maize (nominal 1% GMO)	GMO content	1g		10g/kg
ERM-BF438E	Genetically modified VCO-Ø1981-5 Maize (nominal 10% GMO)	GMO content	1g		100g/kg
ERM-BF439A	Genetically modified DP-ØØ4114-3 Maize (blank)	GMO content	1g		<0.06g/kg
ERM-BF439B	Genetically modified DP-ØØ4114-3 Maize (nominal 100% GMO)	GMO content	1g		>986g/kg
ERM-BF439C	Genetically modified DP-ØØ4114-3 Maize (nominal 0.1% GMO)	GMO content	1g		1g/kg
ERM-BF439D	Genetically modified DP-ØØ4114-3 Maize (nominal 1% GMO)	GMO content	1g		10g/kg
ERM-BF439E	Genetically modified DP-ØØ4114-3 Maize (nominal 10% GMO)	GMO content	1g		100g/kg
ERM-BF440A	DAS-81910-7 COTTON (blank)	GMO content	25g		<0.07g/kg
ERM-BF440B	ERM-BF440b DAS-81910-7 COTTON (nominal 100 % GMO)	GMO content	25g		>986g/kg
ERM-BF440C	ERM-BF440c DAS-81910-7 COTTON (nominal 0.1 % GMO)	GMO content	25g		1g/kg
ERM-BF440D	ERM-BF440d DAS-81910-7 COTTON (nominal 1 % GMO)	GMO content	25g		10g/kg
ERM-BF440E	ERM-BF440e DAS-81910-7 COTTON (nominal 10 % GMO)	GMO content	25g		100g/kg
ERM-BF443A	GMB151 SOYA BEAN (blank)	GM GMB151 soya bean event			<0.05g/100g
ERM-BF443B	GMB151 SOYA BEAN (nominal 100 % GMO)	GM GMB151 soya bean event			>98g/100g
ERM-BF443C	GMB151 SOYA BEAN (nominal 0.1 % GMO)	GM GMB151 soya bean event			0.1g/100g
ERM-BF443D	GMB151 SOYA BEAN (nominal 1 % GMO)	GM GMB151 soya bean event			1g/100g
ERM-BF443E	GMB151 SOYA BEAN (nominal 10 % GMO)	GM GMB151 soya bean event			10g/100g

Food, Feed and Beverages

Composition Species or Allergens



Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
BCR-599	Ewes/Goats' curd (for adulteration with cows' milk)	Set	2
	Analyte	CAS Number	Analyte Concentration
	Cows milk		1g/100ml
	Cows milk		Blank

Product Code	Product Description	Pack size	Number of Analytes
LGC746-KT	Chocolate paste and allergenic ingredients	5 x each LGC7461 and LGC7462, 1 each 7421-2, 7424-6	13
	Analyte	CAS Number	Analyte Concentration
	Almond powder	(LGC7424)	Positive standard
	Defatted Hazelnut powder	(LGC7425)	Positive standard
	Defatted Walnut powder	(LGC4246)	Positive standard
	Egg white powder	(LGC7422)	Positive standard
	Egg white protein	(LGC7462)	10mg/kg
	Egg white protein	(LGC7461)	Blank
	Milk protein	(LGC7462)	10mg/kg
	Milk protein	(LGC7461)	Blank
	Nut: Almond	(LGC7462)	(9.7mg/kg of allergen protein)
	Nut: Hazelnut	(LGC7462)	(9.8mg/kg of allergen protein)
	Nut: Hazelnut	(LGC7461)	Blank
	Nut: Walnut	(LGC7462)	(10mg/kg of allergen protein)
	Skimmed Milk Powder	(LGC7421)	Positive standard



Food & Environmental Matrix Reference Materials Catalogue 2024

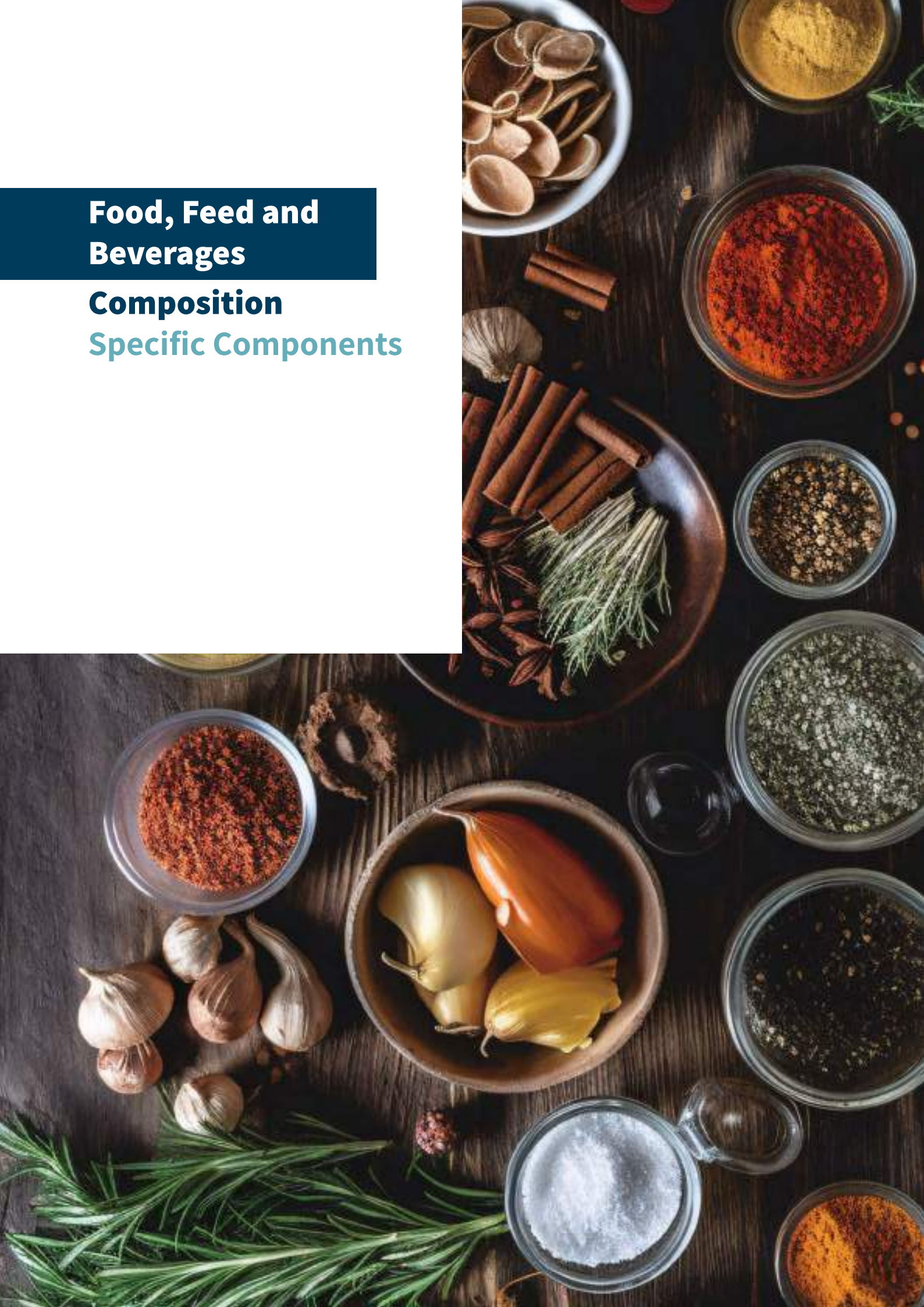
Product Listings: Food, Feed and Beverages

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
AL-RFM1405-0	Egg Blank in Chocolate	Egg	50g		Blank
FAL-RFM0601-0	Lupine Blank in Cereal Flour	Lupin	50g		Blank
FAL-RFM1006-0	Almond Blank in Halva	Almond	50g		Blank
FAL-RFM1107-0	Sesame Blank in Honey	Sesame	50g		Blank
FAL-RFM1201-0	Walnut Blank in Cereal Flour	Walnut	50g		Blank
FAL-RFM1301-0	Soy Blank in Cereal Flour	Soy	50g		Blank
FAL-RFM1613-0	Mustard Blank in Curry Powder	Mustard	50g		Blank
FAL-RFM1914-0	Gluten Blank in Beer	Gluten	50g		Blank
FAL-RFM1915-0	Gluten Blank in Malt Extract	Gluten	50g		Blank
FAL-RFM2016-0	Histamine Blank in Fish Feed	Histamine	50g		Blank
FAL-RFM2109-0	Celery Blank in Olive Paste	Celery	50g		Blank
FAL-RFM2310-0	Crustacean Blank in Fish Roe Spread	Crustacean	50g		Blank
FAL-RFM2601-0	Pistachio Blank in Cereal Flour	Pistachio	50g		Blank
LGCQC101-KT	Peanut allergen in chocolate dessert positive & negative control	Peanut protein	1g		<1mg/kg
NIST-8404	Almond Flour for Allergen Detection	Almond	5g		Positive test
NIST-8405	Hazelnut Flour for Allergen Detection	Hazelnut	5g		Positive test
NIST-927F	Bovine Serum Albumin (7% solution) (Total Protein Standard)	Albumin	10x2.2ml		7%



Food, Feed and Beverages

Composition Specific Components



Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
LGC1801	Nicotine	Nicotine	0.6ml	54-11-5	99.57%

Product Code	Product Description	Pack size	Number of Analytes
NIST-3238	Soy-Containing Solid Oral Dosage Form	5x10g	6
	Analyte	CAS Number	Analyte Concentration
	Daidzein	486-66-8	0.0241%
	Daidzin	552-66-9	(1.34)%
	Genistein	446-72-0	0.0108%
	Genistin	529-59-9	1.27%
	Glycitein	40957-83-3	0.0211%
	Glycitin	40246-10-4	0.376%

Product Code	Product Description	Pack size	Number of Analytes
NIST-3246	Ginkgo biloba - Flavonoids, terpene, actones, elements	5x3g	7
	Analyte	CAS Number	Analyte Concentration
	Cadmium	7440-43-9	20.8ppb
	Ginkgolide B	15291-77-7	0.047%
	Isorhamnetin	480-19-3	0.0517%
	Kaempferol	520-18-3	0.302%
	Lead	7439-92-1	995ppb
	Mercury	7439-97-6	23.08ppb
	Quercetin	117-39-5	0.269%

Product Code	Product Description	Pack size	Number of Analytes
NIST-3247	Ginkgo biloba ext - Flavonoids, terpene, actones, elements	5x1g	9
	Analyte	CAS Number	Analyte Concentration
	Bilobalide	33570-04-6	2.85%
	Ginkgolide A	15291-75-5	1.16%
	Ginkgolide B	15291-77-7	0.592%
	Ginkgolide C	15291-76-6	1.24%
	Ginkgolide J	107438-79-9	0.39%
	Isorhamnetin	480-19-3	1.08%
	Kaempferol	520-18-3	4.08%
	Lead	7439-92-1	4.273mg/kg
	Quercetin	117-39-5	4.51%

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
NIST-3248	Ginkgo-containing tablets - Flavonoids aglycones, terpene lactones	5x1g	6
	Analyte	CAS Number	Analyte Concentration
	Ginkgolide B	15291-77-7	0.112%
	Ginkgolide C	15291-76-6	0.236%
	Isorhamnetin	480-19-3	0.19%
	Kaempferol	520-18-3	0.719%
	Lead	7439-92-1	0.7753mg/kg
	Quercetin	117-39-5	0.756%

Product Code	Product Description	Pack size	Number of Analytes
NIST-3254	Green tea (<i>Camellia sinensis</i>) leaves - Catechins and xanthines	5x3g	11
	Analyte	CAS Number	Analyte Concentration
	Arsenic	7440-38-2	0.15mg/kg
	Cadmium	7440-43-9	0.037mg/kg
	Caffeine	58-08-2	2.35%
	(-)-Epicatechin	490-46-0	0.9%
	(-)-Epicatechin gallate	1257-08-5	1.27%
	(-)-Epigallocatechin	970-74-1	2.52%
	(-)-Epigallocatechin gallate	989-51-5	5.2%
	(-)-Gallocatechin Gallate	4233-96-9	0.099%
	Lead	7439-92-1	1.73mg/kg
	Mercury	7439-97-6	0.014mg/kg
	Theobromine	83-67-0	0.0463%

Product Code	Product Description	Pack size	Number of Analytes
NIST-3300	Curcumin Extract of Turmeric (<i>Curcuma longa</i> L.) Rhizome	5x1g	3
	Analyte	CAS Number	Analyte Concentration
	Bisdemethoxycurcumin	33171-05-0	18.06mg/g
	Curcumin	458-37-7	815mg/g
	Desmethoxycurcumin	24939-17-1	115.4mg/g

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
NIST-3384	Ground Asian Ginseng (Panax ginseng C.A. Meyer) Rhizome	5x3g	10
	Analyte	CAS Number	Analyte Concentration
	Arsenic	7440-38-2	0.385mg/kg
	Cadmium	7440-43-9	0.197mg/kg
	Ginsenoside Rb1	41753-43-9	22.8mg/g
	Ginsenoside Rb2	11021-13-9	9.36mg/g
	Ginsenoside Rc	11021-14-0	7.9mg/g
	Ginsenoside Rd	52705-93-8	4.7mg/g
	Ginsenoside Re	52286-59-6	7.18mg/g
	Ginsenoside Rf	52286-58-5	1.354mg/g
	Ginsenoside Rg1	22427-39-0	4.372mg/g
	Lead	7439-92-1	6.42mg/kg

Product Code	Product Description	Pack size	Number of Analytes
NIST-3385	Asian Ginseng (Panax ginseng) Extract	5x1g	10
	Analyte	CAS Number	Analyte Concentration
	Arsenic	7440-38-2	0.33mg/kg
	Cadmium	7440-43-9	0.0223mg/kg
	Ginsenoside Rb1	41753-43-9	34.8mg/g
	Ginsenoside Rb2	11021-13-9	17.9mg/g
	Ginsenoside Rc	11021-14-0	13.64mg/g
	Ginsenoside Rd	52705-93-8	13.1mg/g
	Ginsenoside Re	52286-59-6	17.8mg/g
	Ginsenoside Rf	52286-58-5	2.94mg/g
	Ginsenoside Rg1	22427-39-0	6.9mg/g
	Lead	7439-92-1	0.067mg/kg

Product Code	Product Description	Pack size	Number of Analytes
NIST-3389	Ginsenosides Calibration Solutions	5x1ml	7
	Analyte	CAS Number	Analyte Concentration
	Ginsenoside Rb1	41753-43-9	3.83mg/g
	Ginsenoside Rb2	11021-13-9	0.889mg/g
	Ginsenoside Rc	11021-14-0	0.754mg/g
	Ginsenoside Rd	52705-93-8	0.248mg/g
	Ginsenoside Re	52286-59-6	1.55mg/g
	Ginsenoside Rf	52286-58-5	1.3mg/g
	Ginsenoside Rg1	22427-39-0	0.524mg/g

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
NIST-3398	Ginger (<i>Zingiber officinale</i>) Rhizome	5x1.6g	12
	Analyte	CAS Number	Analyte Concentration
	10-(±)-Gingerol	107257-18-1	(0.618)mg/g
	10-Shogaol	104186-05-2	(1.233)mg/g
	6-Gingerol	23513-14-6	(3.919)mg/g
	6-Shogaol	23513-13-5	(2.706)mg/g
	8-(±)-Gingerol	77398-92-6	(0.894)mg/g
	8-Shogaol	104186-07-4	(0.734)mg/g
	Arsenic	7440-38-2	49.6mg/kg
	Arsenic Acid	7778-39-4	(1.31)mg/kg
	Arsenous Acid	13464-58-9	(3.4)mg/kg
	Inorganic arsenic		(4.72)mg/kg
	Lead	7439-92-1	1.445mg/kg
	Mercury	7439-97-6	0.0522mg/kg

Product Code	Product Description	Pack size	Number of Analytes
NIST-8186	Soy Protein Isolate	5x10g	6
	Analyte	CAS Number	Analyte Concentration
	Daidzein	486-66-8	104.3mg/kg
	Daidzin	552-66-9	174mg/kg
	Genistein	446-72-0	183mg/kg
	Genistin	529-59-9	329mg/kg
	Glycitein	40957-83-3	22.7mg/kg
	Glycitin	40246-10-4	31.4mg/kg

Product Code	Product Description	Pack size	Number of Analytes
NIST-8187	Soy Protein Concentrate	5x10g	4
	Analyte	CAS Number	Analyte Concentration
	Daidzin	552-66-9	(7.79)mg/kg
	Genistin	529-59-9	(12.3)mg/kg
	Glycitin	40246-10-4	(0.81)mg/kg
	Total Protein		(70.3)%

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
NIST-8188	Soy-Containing Solid Oral Dosage Form	5x2.6g	6
	Analyte	CAS Number	Analyte Concentration
	Daidzein	486-66-8	241mg/kg
	Daidzin	552-66-9	13400mg/kg
	Genistein	446-72-0	108mg/kg
	Genistin	529-59-9	12700mg/kg
	Glycitein	40957-83-3	211mg/kg
	Glycitin	40246-10-4	3760mg/kg

Product Code	Product Description	Pack size	Number of Analytes
NIST-8664	Ginseng-Containing Solid Oral Dosage Form	5x2.6g	7
	Analyte	CAS Number	Analyte Concentration
	Ginsenoside Rb1	41753-43-9	2.64mg/g
	Ginsenoside Rb2	11021-13-9	0.312mg/g
	Ginsenoside Rc	11021-14-0	0.334mg/g
	Ginsenoside Rd	52705-93-8	0.674mg/g
	Ginsenoside Re	52286-59-6	0.93mg/g
	Ginsenoside Rf	52286-58-5	0.639mg/g
	Ginsenoside Rg1	22427-39-0	0.583mg/g

Product Code	Product Description	Pack size	Number of Analytes
NIST-8666	Ginger (<i>Zingiber officinale</i>) Extract	5x3g	9
	Analyte	CAS Number	Analyte Concentration
	10-(±)-Gingerol	107257-18-1	4.751mg/g
	10-Shogaol	104186-05-2	1.645mg/g
	6-Gingerol	23513-14-6	23.9mg/g
	6-Shogaol	23513-13-5	5.554mg/g
	8-(±)-Gingerol	77398-92-6	3.806mg/g
	8-Shogaol	104186-07-4	0.98mg/g
	Arsenic	7440-38-2	43.7µg/kg
	Lead	7439-92-1	99.8µg/kg
	Mercury	7439-97-6	8.3µg/kg

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
BCR-122	Margarine - Vitamins	200g	2
	Analyte	CAS Number	Analyte Concentration
	Alpha Tocopherol	10191-41-0	241mg/kg
	Colecalciferol	67-97-0	0.125mg/kg

Product Code	Product Description	Pack size	Number of Analytes
ERM-BD600	Whole milk powder - Vitamins	100g	10
	Analyte	CAS Number	Analyte Concentration
	Ascorbic acid (Vitamin C)		0.0074%
	Colecalciferol	67-97-0	(0.0000057-0.0000269)%
	Cyanocobalamin (Vitamin B12)		0.000032%
	DL-alpha-Tocopherol (Vitamin E)	1406-18-4	0.0086%
	Niacin (Nicotinic Acid)	59-67-6	0.0008%
	Thiamin		0.0045%
	Vitamin A (all-trans-retinol and 13-cis-retinol)		0.00041%
	Vitamin A (as retinol)	68-26-8	0.00038%
	Vitamin B2 (Riboflavin)	83-88-5	0.00167%
	Vitamin B6 (Pyridoxine)	65-23-6	(0.000453-0.000831)%

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
NIST-2971	24R,25-Dihydroxyvitamin D3 Calibration Solution	24R,25-Dihydroxyvitamin D3 (Secalciferol)	5x1ml	55721-11-4	1.0544µg/g

Product Code	Product Description	Pack size	Number of Analytes
NIST-2972B	25-Hydroxyvitamin D2 and D3 Calibration Solutions	Each	3
	Analyte	CAS Number	Analyte Concentration
	25-Hydroxyvitamin D2	21343-40-8	293.6ng/g mass fraction
	25-Hydroxyvitamin D3	19356-17-3	410ng/g mass fraction
	25-Hydroxyvitamin D3	19356-17-3	81.2ng/g mass fraction

Product Code	Product Description	Pack size	Number of Analytes
NIST-3278	Edible oils - Tocopherols	5amps.	4
	Analyte	CAS Number	Analyte Concentration
	Alpha Tocopherol	10191-41-0	
	D-beta-Tocopherol	16698-35-4	11.38mg/kg
	D-delta-tocopherol	119-13-1	28.8mg/kg
	gamma-Tocopherol		111.5mg/kg

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
NIST-3289	Multivitamin Tablets	5x30g	7
	Analyte	CAS Number	Analyte Concentration
	Biotin	58-85-5	22.58µg/g
	Cyanocobalamin	68-19-9	5.19µg/g
	D-Pantothenic acid	79-83-4	6.96mg/g
	Nicotinamide (Vitamin B3)	98-92-0	12.33mg/g
	Thiamine	59-43-8	1.17mg/g
	Vitamin B2 (Riboflavin)	83-88-5	1.4mg/g
	Vitamin B6 (Pyridoxine)	65-23-6	1.39mg/g

Product Code	Product Description	Pack size	Number of Analytes
BCR-487	Pig liver - Vitamins	15g	5
	Analyte	CAS Number	Analyte Concentration
	Cyanocobalamin	68-19-9	1.12mg/kg
	folate		13.3mg/kg
	Thiamin		8.6mg/kg
	Vitamin B2 (Riboflavin)	83-88-5	106.8mg/kg
	Vitamin B6 (Pyridoxine)	65-23-6	19.3mg/kg



**Food, Feed and
Beverages
Contaminants**



Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
NIST-3253	Yerba Mate Leaves	2x10g	23
	Analyte	CAS Number	Analyte Concentration
	1-Methylpyrene	2381-21-7	(18.8)ng/g
	2-Methylphenanthrene	2531-84-2	(69)ng/g
	3-Methylphenanthrene	832-71-3	(62)ng/g
	Ash		(5.81)g/100 g
	Benz[a]anthracene	56-55-3	70.2ng/g
	Benzo(a)fluoranthene	203-33-8	(14.7)ng/g
	Benzo(c)phenanthrene	195-19-7	(18.9)ng/g
	Benzo(k)fluoranthene	207-08-9	(25.1)ng/g
	Benzo[a]pyrene	50-32-8	57.8ng/g
	Benzo[b]fluoranthene	205-99-2	(48)ng/g
	Benzo[ghi]perylene	191-24-2	118.6ng/g
	Calories		(402)kcal/100 g
	Carbohydrate		(77.8)g/100 g
	Chrysene	218-01-9	(128)ng/g
	Coronene	191-07-1	(43.8)ng/g
	Fluoranthene	206-44-0	(280)ng/g
	Indeno[1,2,3-cd]pyrene	193-39-5	(57.7)ng/g
	Perylene	198-55-0	14.4ng/g
	Picene	213-46-7	(12.72)ng/g
	Protein		(10.64)g/100 g
	Pyrene	129-00-0	324ng/g
	Total fat		(5.4)g/100 g
	Triphenylene	217-59-4	(29.1)ng/g



**Food, Feed and
Beverages**

Contaminants
Microbiological



Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
ERM-BD001	Milk Powder (Somatic Cell count, SCC)	Milk Powder (Somatic Cell count, SCC)	2x14g		64000; 62000cells/mL

Product Code	Product Description	Pack size	Number of Analytes
MUVA-ECE-1721	E.col, Enterobacteriaceae, Coliforms in Milk	30ml	6
	Analyte	CAS Number	Analyte Concentration
	Coliforms		4.14log cfu/mL
	Coliforms		5.12log cfu/mL
	Enterobacteriaceae		4.18log cfu/mL
	Enterobacteriaceae		5.15log cfu/mL
	Escherichia coli		3.84log cfu/mL
	Escherichia coli		4.85log cfu/mL

Product Code	Product Description	Pack size	Number of Analytes
MUVA-GKZ-1721	Bacterial count in Milk	30ml	2
	Analyte	CAS Number	Analyte Concentration
	Mesophilic aerobic Bacterial Count		5.03log ₁₀ cfu/mL
Mesophilic aerobic Bacterial Count		5.97log ₁₀ cfu/mL	

Product Code	Product Description	Pack size	Number of Analytes
MUVA-HS-1725	Yeast and Geotrichum in Milk	30ml	4
	Analyte	CAS Number	Analyte Concentration
	Geotrichum		3.24log ₁₀ cfu/mL
	Geotrichum		4.25log ₁₀ cfu/mL
	Yeast		4.32log ₁₀ cfu/mL
Yeast		5.3log ₁₀ cfu/mL	

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
MUVA-MBK-1721	Hard Cheese, freeze-dried	Mesophilic, aerobic bacterial count	30g 30 g		6.38log cfu/g
MUVA-MBK-1722	Bacterial count in Curd powder	Mesophilic aerobic Bacterial Count	40g 40 g		2.71log ₁₀ cfu/mL
MUVA-ST-1715	Staphylococcus in Milk	Staphylococcus	30ml 30 mL		5.11log ₁₀ cfu/mL
MUVA-ST-1716	Staphylococcus in Milk	Staphylococcus	30ml 30 mL		6.06log ₁₀ cfu/mL

Food & Environmental Matrix Reference Materials Catalogue 2024

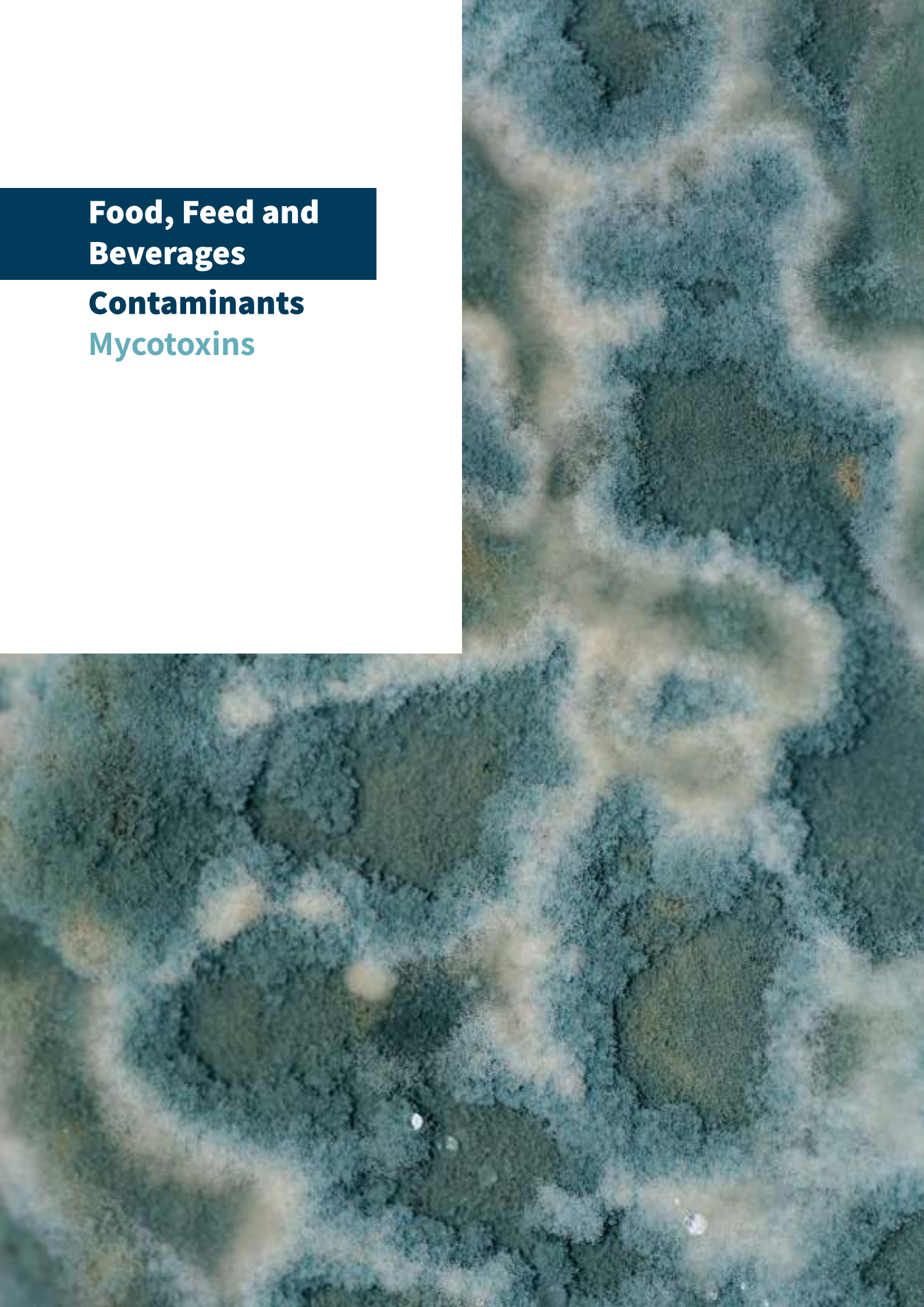
Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
NIST-8376	Microbial Pathogen DNA Standards for Detection and Identification	Each	20
	Analyte	CAS Number	Analyte Concentration
	Achromobacter xylosoxidans DNA		7.28x10 ⁶ (copy/μL)
	Acinetobacter baumannii DNA		12.01x10 ⁶ (copy/μL)
	Aeromonas hydrophila DNA		9.97x10 ⁶ (copy/μL)
	Enterococcus faecalis DNA		14.75x10 ⁶ (copy/μL)
	Escherichia coli O104:H4 DNA		8.89x10 ⁶ (copy/μL)
	Escherichia coli O157:H7 DNA		8.84x10 ⁶ (copy/μL)
	Human genomic DNA		0.0323x10 ⁶ (copy/μL)
	Klebsiella pneumoniae DNA		7.68x10 ⁶ (copy/μL)
	Legionella pneumophila DNA		13.63x10 ⁶ (copy/μL)
	Listeria monocytogenes DNA		17.39x10 ⁶ (copy/μL)
	Neisseria meningitidis DNA		21.67x10 ⁶ (copy/μL)
	Pseudomonas aeruginosa DNA		8.27x10 ⁶ (copy/μL)
	Salmonella enterica subsp. arizonae DNA		10.84x10 ⁶ (copy/μL)
	Salmonella enterica subsp. enterica DNA		9.72x10 ⁶ (copy/μL)
	Shigella sonnei DNA		9.67x10 ⁶ (copy/μL)
	Staphylococcus aureus ATCC 12600™ DNA		17.38x10 ⁶ (copy/μL)
	Staphylococcus aureus ATCC BAA-44™ DNA		16.49x10 ⁶ (copy/μL)
	Staphylococcus epidermidis DNA		15.99x10 ⁶ (copy/μL)
	Streptococcus pyogenes DNA		22.55x10 ⁶ (copy/μL)
	Vibrio furnissii DNA		9.7x10 ⁶ (copy/μL)

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
NIST-8230	Saccharomyces cerevisiae NE095 for Cell Counting and DNA-based	2 analytes Saccharomyces cerevisiae NE095 Number of cells per vial Saccharomyces cerevisiae NE095 Colony forming units per vial	12 vials freeze dried yeast cells plus 4 vials lyophilized matrix (no cells)		analyte Saccharomyces cerevisiae NE095 Colony forming units (CFU)analyte concentration = "6.0x10 ⁶ CFU/vial" 2nd analyte Saccharomyces cerevisiae NE09 the cell count is concentration " 9.95x10 ⁷ cells per vial"
NIST-8642A	FDA Saxitoxin Dihydrochloride Solution	Saxitoxin hydrochloride	5x1.2mL	35554-08-6	103μg/g

**Food, Feed and
Beverages**

Contaminants
Mycotoxins



Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
BCR-262R	Defatted peanut meal (blank) - Aflatoxin B1	Aflatoxin B1	100g	1162-65-8	<3µg/kg

Product Code	Product Description	Pack size	Number of Analytes
BCR-263R	DEFATTED PEANUT MEAL (aflatoxin B1, low level)	100g	3
	Analyte	CAS Number	Analyte Concentration
	Aflatoxin B1	1162-65-8	17.1µg/kg
	Aflatoxin B2	7220-81-7	3µg/kg
	Aflatoxin G1	1165-39-5	3µg/kg

Product Code	Analyte	Pack Size	CAS number	Analyte Concentration
BCR-264	Aflatoxin B1	150g	1162-65-8	206µg/kg
BCR-375	Aflatoxin B1	50g	1162-65-8	<1µg/kg
BCR-377	Deoxynivalenol (blank) in Maize flour	150g	51481-10-8	

Product Code	Product Description	Pack size	Number of Analytes
BCR-385R	Peanut butter - Aflatoxins (low level)	100g	4
	Analyte	CAS Number	Analyte Concentration
	Aflatoxin B1	1162-65-8	1.77µg/kg
	Aflatoxin B2	7220-81-7	0.48µg/kg
	Aflatoxin G1	1165-39-5	0.9µg/kg
	Aflatoxin G2	7241-98-7	0.3µg/kg

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
BCR-396	Wheat flour - Deoxynivalenol (DON) blank	Wheat flour - Deoxynivalenol (DON) blank	150g	51481-10-8	

Product Code	Product Description	Pack size	Number of Analytes
BCR-401R	Peanut butter (blank) - Aflatoxins	100g	3
	Analyte	CAS Number	Analyte Concentration
	Aflatoxin B1	1162-65-8	<0.2µg/kg
	Aflatoxin B2	7220-81-7	<0.2µg/kg
	Aflatoxin G1	1165-39-5	<0.2µg/kg
	Aflatoxin G2	7241-98-7	<0.2µg/kg

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
BCR-471	Wheat - Ochratoxin A (blank)	Ochratoxin A	55g	303-47-9	<0.6µg/kg
ERM-AC057	Aflatoxin B1 3.79µg/g in Acetonitrile	Aflatoxin B1	4ml	1162-65-8	3.79µg/g
ERM-AC058	Aflatoxin B2 3.8µg/g in Acetonitrile	Aflatoxin B2	4ml	7220-81-7	3.8µg/g
ERM-AC059	Aflatoxin G1 3.78µg/g in Acetonitrile	Aflatoxin G1	4ml	1165-39-5	3.78µg/g
ERM-AC060	Aflatoxin G2 3.8µg/g in Acetonitrile	Aflatoxin G2	4ml	7241-98-7	3.8µg/g

Product Code	Product Description	Pack size	Number of Analytes
ERM-BC600	Wheat flour - Fusarium mycotoxins	81g	2
	Analyte	CAS Number	Analyte Concentration
	Nivalenol	23282-20-4	1000µg/kg
	Zearalenone	17924-92-4	90µg/kg

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
ERM-BC716	MAIZE (very low level ZON)	Zearalenone	60g	17924-92-4	<0.0000005%

Product Code	Product Description	Pack size	Number of Analytes
ERM-BC717	MAIZE (low level ZON, DON and NIV)	60g	3
	Analyte	CAS Number	Analyte Concentration
	Deoxynivalenol	51481-10-8	
	Nivalenol	23282-20-4	53µg/kg
	Zearalenone	17924-92-4	83µg/kg

Product Code	Product Description	Pack size	Number of Analytes
ERM-BC720	Oat Flakes - T-2 and HT-2 Toxin	94g	2
	Analyte	CAS Number	Analyte Concentration
	HT-2 Toxin (HT-2)	26934-87-2	81µg/kg
	T-2 Toxin (T-2)	21259-20-1	82µg/kg

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
ERM-BD282	Whole milk powder - Aflatoxin M1 (zero level)	Aflatoxin M1	30g	6795-23-9	<0.02µg/kg
ERM-BD283	Whole milk powder - Aflatoxin M1 (low level)	Aflatoxin M1	30g	6795-23-9	0.111µg/kg
ERM-BD284	Whole milk powder - Aflatoxin M1 (high level)	Aflatoxin M1	30g	6795-23-9	0.44µg/kg

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
ERM-BD286	Aflatoxins in Paprika Powder	100g	2
	Analyte	CAS Number	Analyte Concentration
	Aflatoxin B1	1162-65-8	3.72µg/kg
	Aflatoxin G1	1165-39-5	2.4µg/kg

Product Code	Product Description	Pack size	Number of Analytes
ERM-BE375	COMPOUND FEEDINGSTUFF (aflatoxin B1, B2, G1, G2 very low level)	2x75g	4
	Analyte	CAS Number	Analyte Concentration
	Aflatoxin B1	1162-65-8	2.6µg/kg
	Aflatoxin B2	7220-81-7	0.2µg/kg
	Aflatoxin G1	1165-39-5	0.4µg/kg
	Aflatoxin G2	7241-98-7	<0.2µg/kg

Product Code	Product Description	Pack size	Number of Analytes
ERM-BE376	COMPOUND FEEDINGSTUFF (aflatoxin B1, B2, G1, high level)	2x75g	3
	Analyte	CAS Number	Analyte Concentration
	Aflatoxin B1	1162-65-8	12.9µg/kg
	Aflatoxin B2	7220-81-7	0.68µg/kg
	Aflatoxin G1	1165-39-5	5.2µg/kg

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
NIST-1565	Mycotoxins in Corn	Ochratoxin A	2x60g	303-47-9	9.4ng/g

Product Code	Product Description	Pack size	Number of Analytes
ROM-10003612	Aflatoxin In Corn, Low Level	100g	4
	Analyte	CAS Number	Analyte Concentration
	Aflatoxin B1	1162-65-8	5.3µg/kg
	Aflatoxin B2	7220-81-7	1.3µg/kg
	Aflatoxin G1	1165-39-5	<1.0µg/kg
	Aflatoxin G2	7241-98-7	<1.0µg/kg

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
ROM-10003613	Aflatoxin In Corn, Mid Level	100g	4
	Analyte	CAS Number	Analyte Concentration
	Aflatoxin B1	1162-65-8	9.5µg/kg
	Aflatoxin B2	7220-81-7	2.1µg/kg
	Aflatoxin G1	1165-39-5	<1.0µg/kg
	Aflatoxin G2	7241-98-7	<1.0µg/kg

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
ROM-10003614	Deoxynivalenol In barley, high Level	Deoxynivalenol	100g	51481-10-8	3876µg/kg
ROM-10003615	Deoxynivalenol In Corn, low Level	Deoxynivalenol	100g	51481-10-8	569µg/kg
ROM-10003617	Deoxynivalenol In Corn, high Level	Deoxynivalenol	100g	51481-10-8	2734µg/kg
ROM-10003618	Deoxynivalenol In Wheat, low Level	Deoxynivalenol	100g	51481-10-8	1012µg/kg

Product Code	Product Description	Pack size	Number of Analytes
ROM-10003620	Fumonisin In Corn, low Level	100g	3
	Analyte	CAS Number	Analyte Concentration
	Fumonisin B1	116355-83-0	449µg/kg
	Fumonisin B2	116355-84-1	136µg/kg
	Fumonisin B3	1422359-85-0	61µg/kg

Product Code	Product Description	Pack size	Number of Analytes
ROM-10003621	Fumonisin In Corn, Mid Level	100g	3
	Analyte	CAS Number	Analyte Concentration
	Fumonisin B1	116355-83-0	1232µg/kg
	Fumonisin B2	116355-84-1	282µg/kg
	Fumonisin B3	1422359-85-0	139µg/kg

Product Code	Product Description	Pack size	Number of Analytes
ROM-10003622	Fumonisin In Corn, high Level	100g	3
	Analyte	CAS Number	Analyte Concentration
	Fumonisin B1	116355-83-0	3223µg/kg
	Fumonisin B1	116355-83-0	1232µg/kg
	Fumonisin B2	116355-84-1	920µg/kg

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
ROM-10003624	Zearalenone In Corn, low Level	100g	2
	Analyte	CAS Number	Analyte Concentration
	Zearalenone	17924-92-4	67µg/kg
	Zearalenone	17924-92-4	366µg/kg

Product Code	Product Description	Pack size	Number of Analytes
ROM-10003627	Multitoxins (Don, Fumonisin, Zon) In Corn	100g	5
	Analyte	CAS Number	Analyte Concentration
	Deoxynivalenol	51481-10-8	821µg/kg
	Fumonisin B1	116355-83-0	667µg/kg
	Fumonisin B2	116355-84-1	156µg/kg
	Fumonisin B3	1422359-85-0	89µg/kg
	Zearalenone	17924-92-4	87µg/kg

Product Code	Product Description	Pack size	Number of Analytes
ROM-10006460	Don, Zon And Ota In Wheat	100g	3
	Analyte	CAS Number	Analyte Concentration
	Deoxynivalenol	51481-10-8	825µg/kg
	Ochratoxin A	303-47-9	10µg/kg
	Zearalenone	17924-92-4	35µg/kg

Product Code	Product Description	Pack size	Number of Analytes
ROM-10006527	Afla And Fun In Corn, Mid Level	100g	4
	Analyte	CAS Number	Analyte Concentration
	Aflatoxin B1	1162-65-8	12.04µg/kg
	Aflatoxin B2	7220-81-7	0.99µg/kg
	Fumonisin B1	116355-83-0	2576µg/kg
	Fumonisin B2	116355-84-1	776µg/kg

**Food, Feed and
Beverages**

Contaminants
Pharmaceutical and
Veterinary Residues



Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
BCR-444	Porcine muscle - Chloramphenicol (blank)	Chloramphenicol	7g	56-75-7	<0.2µg/kg

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
BCR-695	Pig liver - Chlortetracycline	Chlortetracycline	Vial	57-62-5	<0.004mg/kg
BCR-697	PIG MUSCLE (CTC free)	Chlortetracycline	Vial	57-62-5	<0.006mg/kg
BCR-706	PIG KIDNEY (CTC free)	Chlortetracycline	Vial	57-62-5	<0.005mg/kg

Product Code	Product Description	Pack size	Number of Analytes
BCR-725	Salmon tissue - Flumequine and oxolinic acid	Vial	2
	Analyte	CAS Number	Analyte Concentration
	Oxolinic acid	14698-29-4	600µg/kg
	Flumequine	42835-25-6	1170µg/kg

Product Code	Product Description	Pack size	Number of Analytes
ERM-BB124	PORK MUSCLE (antibiotics, nitroimidazoles)	10g	6
	Analyte	CAS Number	Analyte Concentration
	Dimetridazole	551-92-8	<0.25 µg/kg
	Dimetridazole-2-hydroxy	936-05-0	0.69 µg/kg
	Ipronidazole-hydroxy	35175-14-5	1.67 µg/kg
	Metronidazole	443-48-1	1.93 µg/kg
	Metronidazole-hydroxy	4812-40-2	6.2 µg/kg
	Ronidazole (RNZ)	7681-76-7	2.09 µg/kg

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
ERM-BB130	Pork muscle - Chloramphenicol	Chloramphenicol	Bottle	56-75-7	0.23µg/kg
ERM-BB492-3	Partially skimmed milk powder - Oxytetracycline	Oxytetracycline	Set	79-57-2	101µg/kg

**Food, Feed and
Beverages**

Contaminants
Toxicology



Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
BCR-450	Natural milk powder - PCBs	20g	6
	Analyte	CAS Number	Analyte Concentration
	PCB No. 118	31508-00-6	3.3µg/kg
	PCB No. 153	35065-27-1	19µg/kg
	PCB No. 156	38380-08-4	1.62µg/kg
	PCB No. 170	35065-30-6	4.8µg/kg
	PCB No. 180	35065-29-3	11µg/kg
	PCB No. 52	35693-99-3	1.16µg/kg

Product Code	Product Description	Pack size	Number of Analytes
BCR-115	Animal feed - Pesticides	30g	9
	Analyte	CAS Number	Analyte Concentration
	4,4'-DDE	72-55-9	0.047mg/kg
	alpha-Endosulfan	959-98-8	0.046mg/kg
	beta-HCH	319-85-7	0.0234mg/kg
	Dieldrin	60-57-1	0.0181mg/kg
	Endrin	72-20-8	0.046mg/kg
	gamma-HCH	58-89-9	0.0218mg/kg
	Heptachlor	76-44-8	0.019mg/kg
	Hexachlorobenzene	118-74-1	0.0194mg/kg
	Trans-Chlordane (Gamma Isomer)	5103-74-2	0.048mg/kg

Product Code	Product Description	Pack size	Number of Analytes
BCR-188	Milk powder (spiked) - Pesticides	20g	7
	Analyte	CAS Number	Analyte Concentration
	4,4'-DDE	72-55-9	51µg/kg
	4,4'-DDT	50-29-3	69µg/kg
	beta-HCH	319-85-7	12µg/kg
	Dieldrin	60-57-1	36.1µg/kg
	Endrin	72-20-8	6.2µg/kg
	Heptachlor-exo-epoxide (cis-, isomer B)	1024-57-3	32µg/kg
	Hexachlorobenzene	118-74-1	37.4µg/kg

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
BCR-349	Cod liver oil - PCBs	2g	6
	Analyte	CAS Number	Analyte Concentration
	PCB No. 101	37680-73-2	372µg/kg
	PCB No. 118	31508-00-6	460µg/kg
	PCB No. 153	35065-27-1	940µg/kg
	PCB No. 180	35065-29-3	282µg/kg
	PCB No. 28	7012-37-5	68µg/kg
	PCB No. 52	35693-99-3	149µg/kg

Product Code	Product Description	Pack size	Number of Analytes
BCR-598	Cod liver oil - Organochlorine pesticides	5g	13
	Analyte	CAS Number	Analyte Concentration
	2,4'-DDD	53-19-0	30µg/kg
	4,4'-DDD	72-54-8	0.4mg/kg
	4,4'-DDE	72-55-9	0.61mg/kg
	4,4'-DDT	50-29-3	0.179mg/kg
	alpha-HCH	319-84-6	42µg/kg
	beta-HCH	319-85-7	16µg/kg
	Cis-Chlordane (Alpha Isomer)	5103-71-9	24.4µg/kg
	Dieldrin	60-57-1	59µg/kg
	gamma-HCH	58-89-9	23µg/kg
	Hexachlorobenzene	118-74-1	55.7µg/kg
	oxy-Chlordane	27304-13-8	11µg/kg
	Trans-Chlordane (Gamma Isomer)	5103-74-2	6.9µg/kg
	trans-Nonachlor	39765-80-5	39µg/kg

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
BCR-607	Natural spray dried milk powder - PCDDs and PCDFs	100g	11
	Analyte	CAS Number	Analyte Concentration
	1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9	0.94ng/kg
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	39227-28-6	0.42ng/kg
	1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9	1.01ng/kg
	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	57653-85-7	0.98ng/kg
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	19408-74-3	0.35ng/kg
	1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	0.054ng/kg
	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	40321-76-4	0.79ng/kg
	2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5	1.07ng/kg
	2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	1.81ng/kg
	2,3,7,8-Tetrachlorodibenzofuran	51207-31-9	0.05ng/kg
	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	0.25ng/kg

Product Code	Product Description	Pack size	Number of Analytes
BCR-682	Mussel tissue - PCBs	70g	8
	Analyte	CAS Number	Analyte Concentration
	2,2',3,4,4',5'-Hexachlorobiphenyl	35065-28-2	4.6µg/kg
	PCB No. 118	31508-00-6	2.6µg/kg
	PCB No. 149	38380-04-0	5.7µg/kg
	PCB No. 153	35065-27-1	9.2µg/kg
	PCB No. 170	35065-30-6	0.17µg/kg
	PCB No. 180	35065-29-3	0.77µg/kg
	PCB No. 28	7012-37-5	0.3µg/kg
	PCB No. 52	35693-99-3	0.78µg/kg

Product Code	Product Description	Pack size	Number of Analytes
BCR-718	Canned fresh herring - PCBs	70g	12
	Analyte	CAS Number	Analyte Concentration
	2,2',3,4,4',5'-Hexachlorobiphenyl	35065-28-2	2.97µg/kg
	PCB No. 101	37680-73-2	2.12µg/kg
	PCB No. 105	32598-14-4	0.63µg/kg
	PCB No. 118	31508-00-6	1.78µg/kg
	PCB No. 128	38380-07-3	0.62µg/kg
	PCB No. 149	38380-04-0	2.58µg/kg
	PCB No. 153	35065-27-1	4.62µg/kg
	PCB No. 156	38380-08-4	0.19µg/kg
	PCB No. 170	35065-30-6	0.35µg/kg
	PCB No. 180	35065-29-3	0.795µg/kg
	PCB No. 28	7012-37-5	0.41µg/kg
	PCB No. 52	35693-99-3	1µg/kg

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
ERM-BB125	Egg Powder (Fipronil)	5g	2
	Analyte	CAS Number	Analyte Concentration
	Fipronil	120068-37-3	
	Fipronil Sulfone	120068-36-2	

Product Code	Product Description	Pack size	Number of Analytes
ERM-BB350	Salmon oil - PCBs	2g	21
	Analyte	CAS Number	Analyte Concentration
	2,2',3,4,4',5'-Hexachlorobiphenyl	35065-28-2	137ng/g
	PCB 99 (2,2',4,4',5-Pentachlorobiphenyl)	38380-01-7	62ng/g
	PCB No. 101	37680-73-2	111ng/g
	PCB No. 105	32598-14-4	25.8ng/g
	PCB No. 110	38380-03-9	54.1ng/g
	PCB No. 118	31508-00-6	84ng/g
	PCB No. 149	38380-04-0	88ng/g
	PCB No. 153	35065-27-1	220ng/g
	PCB No. 156	38380-08-4	20.1ng/g
	PCB No. 163	74472-44-9	(43)ng/g
	PCB No. 167	52663-72-6	(17)ng/g
	PCB No. 177	52663-70-4	25.8ng/g
	PCB No. 180	35065-29-3	67ng/g
	PCB No. 183	52663-69-1	22.5ng/g
	PCB No. 187	52663-68-0	67ng/g
	PCB No. 194	35694-08-7	23.4ng/g
	PCB No. 196	42740-50-1	41ng/g
	PCB No. 28	7012-37-5	21.3ng/g
	PCB No. 52	35693-99-3	37.4ng/g
PCB No. 74	32690-93-0	23ng/g	
PCB No. 95	38379-99-6	(38)ng/g	

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
ERM-BB430	Pork fat - Organochlorine pesticides	5g	10
	Analyte	CAS Number	Analyte Concentration
	4,4'-DDD	72-54-8	0.222mg/kg
	4,4'-DDE	72-55-9	0.38mg/kg
	4,4'-DDT	50-29-3	0.48mg/kg
	alpha-HCH	319-84-6	0.25mg/kg
	beta-HCH	319-85-7	0.109mg/kg
	Dieldrin	60-57-1	(0.21)mg/kg
	Endrin	72-20-8	(0.055)mg/kg
	gamma-HCH	58-89-9	(1.87)mg/kg
	Heptachlor-exo-epoxide (cis-, isomer B)	1024-57-3	0.213mg/kg
	Hexachlorobenzene	118-74-1	0.193mg/kg

Product Code	Product Description	Pack size	Number of Analytes
ERM-BB444	Pork fat - PCBs (blank)	5g	10
	Analyte	CAS Number	Analyte Concentration
	2,2',3,4,4',5'-Hexachlorobiphenyl	35065-28-2	<2µg/kg
	gamma-HCH	58-89-9	(5.7)µg/kg
	PBDE 47 (2,2',4,4'-Tetrabromodiphenyl Ether)	5436-43-1	(3.7)µg/kg
	PCB No. 101	37680-73-2	<2µg/kg
	PCB No. 118	31508-00-6	<2µg/kg
	PCB No. 153	35065-27-1	<2µg/kg
	PCB No. 180	35065-29-3	<2µg/kg
	PCB No. 28	7012-37-5	<2µg/kg
	PCB No. 52	35693-99-3	<2µg/kg
	Total PCB		<14µg/kg

Product Code	Product Description	Pack size	Number of Analytes
ERM-BB445	PORK FAT (very low PCB level)	5g	10
	Analyte	CAS Number	Analyte Concentration
	2,2',3,4,4',5'-Hexachlorobiphenyl	35065-28-2	14.6µg/kg
	gamma-HCH	58-89-9	(5.6)µg/kg
	PBDE 47 (2,2',4,4'-Tetrabromodiphenyl Ether)	5436-43-1	(3.9)µg/kg
	PCB No. 101	37680-73-2	12.5µg/kg
	PCB No. 118	31508-00-6	12.7µg/kg
	PCB No. 153	35065-27-1	13.1µg/kg
	PCB No. 180	35065-29-3	12.6µg/kg
	PCB No. 28	7012-37-5	14.8µg/kg
	PCB No. 52	35693-99-3	12.9µg/kg
	Total PCB		93µg/kg

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
ERM-BB446	PORK FAT (low PCB level)	5g	10
	Analyte	CAS Number	Analyte Concentration
	2,2',3,4,4',5'-Hexachlorobiphenyl	35065-28-2	32µg/kg
	gamma-HCH	58-89-9	(4.6)µg/kg
	PBDE 47 (2,2',4,4'-Tetrabromodiphenyl Ether)	5436-43-1	(6.1)µg/kg
	PCB No. 101	37680-73-2	30µg/kg
	PCB No. 118	31508-00-6	30.2µg/kg
	PCB No. 153	35065-27-1	30.8µg/kg
	PCB No. 180	35065-29-3	29.8µg/kg
	PCB No. 28	7012-37-5	29.6µg/kg
	PCB No. 52	35693-99-3	25.5µg/kg
	Total PCB		207µg/kg

Product Code	Product Description	Pack size	Number of Analytes
ERM-BC403	Cucumber (pesticides)	2 Vials	15
	Analyte	CAS Number	Analyte Concentration
	Acetamiprid	135410-20-7	0.064mg/kg
	alpha-Endosulfan	959-98-8	0.031mg/kg
	Azoxystrobin	131860-33-8	0.639mg/kg
	Carbendazim	10605-21-7	0.074mg/kg
	Chlorpyrifos	2921-88-2	0.064mg/kg
	Cypermethrin	52315-07-8	0.045mg/kg
	Diazinon	333-41-5	0.051mg/kg
	Fenitrothion	122-14-5	0.054mg/kg
	Imazalil	35554-44-0	0.044mg/kg
	Imidacloprid	138261-41-3	0.627mg/kg
	Iprodione	36734-19-7	0.57mg/kg
	Malathion	121-75-5	0.052mg/kg
	Methomyl	16752-77-5	0.059mg/kg
Tebuconazole	107534-96-3	0.0611mg/kg	
Thiabendazole	148-79-8	0.056mg/kg	

Product Code	Product Description	Pack size	Number of Analytes
ERM-CE100	FISH TISSUE (Hexachlorobenzene, Hexachlorobutadiene, Chlorinated Paraffins)	40g	4
	Analyte	CAS Number	Analyte Concentration
	Chloroparaffin C10-C13	85535-84-8	31µg/kg
	Chloroparaffin C14-C17	85535-85-9	44µg/kg
	Hexachlorobenzene	118-74-1	120µg/kg
Hexachlorobutadiene	87-68-3	36µg/kg	

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
ERM-CE102	Fish Tissue (PBDEs)	40g	9
	Analyte	CAS Number	Analyte Concentration
	Fat		(6.9)%
	PBDE 183 (2,2',3,4,4',5,6-Heptabromodiphenyl Ether)	207122-16-5	(0.014)µg/kg
	PBDE 28 (2,4,4'-Tribromodiphenyl Ether)	41318-75-6	(0.0077)µg/kg
	PBDE 49 (2,2',4,5'-Tetrabromodiphenyl Ether)	243982-82-3	0.033µg/kg
	PBDE 100 (2,2',4,4',6-Pentabromodiphenyl Ether)	189084-64-8	0.06µg/kg
	PBDE 153 (2,2',4,4',5,5'-Hexabromodiphenyl Ether)	68631-49-2	0.069µg/kg
	PBDE 154 (2,2',4,4',5,6'-Hexabromodiphenyl Ether)	207122-15-4	0.109µg/kg
	PBDE 99 (2,2',4,4',5-Pentabromodiphenyl Ether)	60348-60-9	0.123µg/kg
PBDE 47 (2,2',4,4'-Tetrabromodiphenyl Ether)	5436-43-1	0.227µg/kg	

Product Code	Product Description	Pack size	Number of Analytes
IRMM-427	Pike Perch - PFASs in fish tissue	35g	9
	Analyte	CAS Number	Analyte Concentration
	Branched perfluorooctane sulfonate (br-PFOS) Indicative value		0.92ng/g
	linear perfluorooctane sulfonate (L-PFOS) 1)	1763-23-1	16ng/g
	Perfluorooctane sulfonamide (FOSA) Indicative value		1ng/g
	Perfluorodecanoic acid (PFDA)		1.28ng/g
	Perfluorododecanoic acid (PFDoDA)		0.97ng/g
	Perfluorohexanesulfonate (PFHxS) Indicative value		0.09ng/g
	Perfluorononanoic acid (PFNA) Indicative value		0.09ng/g
	Perfluorotetradecanoic acid (PFTeDA) Indicative value		0.45ng/g
	Perfluorotridecanoic acid (PFTrDA) 1) Indicative value		0.62ng/g
	Perfluoroundecanoic acid (PFUnDA)		0.74ng/g
Total perfluorooctane sulfonate (tot-PFOS) Indicative value		17ng/g	

Product Code	Product Description	Pack size	Number of Analytes
NIST-1945	Organics in Whale Blubber	2x15g	58
	Analyte	CAS Number	Analyte Concentration
	2,2',3,4,4',5'-Hexachlorobiphenyl	35065-28-2	146µg/kg
	2,4'-DDD	53-19-0	19.5µg/kg
	2,4'-DDE	3424-82-6	14.2µg/kg
	2,4'-DDT	789-02-6	91µg/kg
	4,4'-DDD	72-54-8	120µg/kg
	4,4'-DDE	72-55-9	497µg/kg
4,4'-DDT	50-29-3	233µg/kg	

Continued on next page

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Continued from previous page

Analyte	CAS Number	Analyte Concentration
Cis-Chlordane (Alpha Isomer)	5103-71-9	48.1µg/kg
cis-Nonachlor	5103-73-1	45.8µg/kg
Dieldrin	60-57-1	50.1µg/kg
gamma-HCH	58-89-9	3.18µg/kg
Heptachlor epoxide		10.7µg/kg
Hexachlorobenzene	118-74-1	30.6µg/kg
Hexachlorocyclohexane		16.9µg/kg
Mirex	2385-85-5	31µg/kg
oxy-Chlordane	27304-13-8	21.2µg/kg
PBDE 100 (2,2',4,4',6-Pentabromodiphenyl Ether)	189084-64-8	10.3µg/kg
PBDE 153 (2,2',4,4',5,5'-Hexabromodiphenyl Ether)	68631-49-2	8.34µg/kg
PBDE 154 (2,2',4,4',5,6'-Hexabromodiphenyl Ether)	207122-15-4	13.3µg/kg
PBDE 47 (2,2',4,4'-Tetrabromodiphenyl Ether)	5436-43-1	39.6µg/kg
PBDE 99 (2,2',4,4',5-Pentabromodiphenyl Ether)	60348-60-9	18.9µg/kg
PCB 99 (2,2',4,4',5-Pentachlorobiphenyl)	38380-01-7	58.5µg/kg
PCB No. 101	37680-73-2	78µg/kg
PCB No. 105	32598-14-4	28.6µg/kg
PCB No. 107	70424-68-9	5.04µg/kg
PCB No. 110	38380-03-9	33.8µg/kg
PCB No. 118	31508-00-6	76.5µg/kg
PCB No. 128	38380-07-3	23µg/kg
PCB No. 146	51908-16-8	45.1µg/kg
PCB No. 149	38380-04-0	89µg/kg
PCB No. 151	52663-63-5	28.6µg/kg
PCB No. 153	35065-27-1	228µg/kg
PCB No. 154	60145-22-4	3.97µg/kg
PCB No. 156	38380-08-4	11.4µg/kg
PCB No. 158	74472-42-7	9.1µg/kg
PCB No. 170	35065-30-6	42.6µg/kg
PCB No. 174	38411-25-5	25.2µg/kg
PCB No. 18	37680-65-2	4.35µg/kg
PCB No. 180	35065-29-3	138µg/kg
PCB No. 183	52663-69-1	38µg/kg
PCB No. 187	52663-68-0	121µg/kg
PCB No. 194	35694-08-7	53.5µg/kg
PCB No. 195	52663-78-2	14.3µg/kg
PCB No. 201	40186-71-8	16.8µg/kg
PCB No. 206	40186-72-9	44.9µg/kg
PCB No. 209	2051-24-3	17.2µg/kg
PCB No. 28	7012-37-5	13.1µg/kg
PCB No. 31	16606-02-3	3.56µg/kg
PCB No. 44	41464-39-5	12.1µg/kg

Continued on next page

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Continued from previous page

Analyte	CAS Number	Analyte Concentration
PCB No. 49	41464-40-8	18.3µg/kg
PCB No. 52	35693-99-3	40.7µg/kg
PCB No. 66	32598-10-0	22.4µg/kg
PCB No. 70	32598-11-1	11µg/kg
PCB No. 87	38380-02-8	20.6µg/kg
PCB No. 92	52663-61-3	23.4µg/kg
PCB No. 95	38379-99-6	33.9µg/kg
Trans-Chlordane (Gamma Isomer)	5103-74-2	11.8µg/kg
trans-Nonachlor	39765-80-5	198µg/kg

Product Code	Product Description	Pack size	Number of Analytes
NIST-1954	Fortified human milk - Organic contaminant	5x5ml	64
	Analyte	CAS Number	Analyte Concentration
	2,2',3,4,4',5'-Hexachlorobiphenyl	35065-28-2	639ppt
	2,2',4,4',5,5'-Hexabromobiphenyl	59080-40-9	474ppt
	2,4'-DDD	53-19-0	427ppt
	2,4'-DDE	3424-82-6	400ppt
	2,4'-DDT	789-02-6	444ppt
	4,4'-DDD	72-54-8	425ppt
	4,4'-DDT	50-29-3	703ppt
	beta-HCH	319-85-7	829ppt
	Cis-Chlordane (Alpha Isomer)	5103-71-9	368ppt
	cis-Nonachlor	5103-73-1	496ppt
	gamma-HCH	58-89-9	588ppt
	Hexachlorobenzene	118-74-1	672ppt
	Mirex	2385-85-5	515ppt
	oxy-Chlordane	27304-13-8	1050ppt
	PBDE 100 (2,2',4,4',6-Pentabromodiphenyl Ether)	189084-64-8	1280ppt
	PBDE 153 (2,2',4,4',5,5'-Hexabromodiphenyl Ether)	68631-49-2	1440ppt
	PBDE 154 (2,2',4,4',5,6'-Hexabromodiphenyl Ether)	207122-15-4	464ppt
	PBDE 17 (2,2',4-Tribromodiphenyl Ether)	147217-75-2	401ppt
	PBDE 183 (2,2',3,4,4',5,6'-Heptabromodiphenyl Ether)	207122-16-5	511ppt
	PBDE 209 (2,2',3,3',4,4',5,5',6,6'-Decabromodiphenyl Ether)	1163-19-5	423ppt
	PBDE 28 (2,4,4'-Tribromodiphenyl Ether)	41318-75-6	579ppt
	PBDE 47 (2,2',4,4'-Tetrabromodiphenyl Ether)	5436-43-1	2570ppt
	PBDE 66 (2,3',4,4'-Tetrabromodiphenyl Ether)	189084-61-5	411ppt
	PBDE 85 (2,2',3,4,4'-Pentabromodiphenyl Ether)	182346-21-0	473ppt
	PBDE 99 (2,2',4,4',5-Pentabromodiphenyl Ether)	60348-60-9	739ppt
PCB 199	52663-75-9	469ppt	
PCB 99 (2,2',4,4',5-Pentachlorobiphenyl)	38380-01-7	558ppt	

Continued on next page

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Continued from previous page

Analyte	CAS Number	Analyte Concentration
PCB No. 101	37680-73-2	442ppt
PCB No. 105	32598-14-4	482ppt
PCB No. 110	38380-03-9	458ppt
PCB No. 118	31508-00-6	597ppt
PCB No. 128	38380-07-3	400ppt
PCB No. 146	51908-16-8	492ppt
PCB No. 149	38380-04-0	408ppt
PCB No. 151	52663-63-5	417ppt
PCB No. 153	35065-27-1	977ppt
PCB No. 156	38380-08-4	511ppt
PCB No. 157	69782-90-7	467ppt
PCB No. 158	74472-42-7	402ppt
PCB No. 167	52663-72-6	467ppt
PCB No. 170	35065-30-6	507ppt
PCB No. 172	52663-74-8	443ppt
PCB No. 177	52663-70-4	447ppt
PCB No. 178	52663-67-9	449ppt
PCB No. 18	37680-65-2	355ppt
PCB No. 180	35065-29-3	696ppt
PCB No. 183	52663-69-1	445ppt
PCB No. 187	52663-68-0	517ppt
PCB No. 189	39635-31-9	432ppt
PCB No. 194	35694-08-7	482ppt
PCB No. 195	52663-78-2	461ppt
PCB No. 196	42740-50-1	872ppt
PCB No. 206	40186-72-9	465ppt
PCB No. 209	2051-24-3	436ppt
PCB No. 28	7012-37-5	519ppt
PCB No. 44	41464-39-5	415ppt
PCB No. 49	41464-40-8	429ppt
PCB No. 52	35693-99-3	425ppt
PCB No. 66	32598-10-0	428ppt
PCB No. 74	32690-93-0	563ppt
PCB No. 87	38380-02-8	457ppt
Trans-Chlordane (Gamma Isomer)	5103-74-2	377ppt
trans-Nonachlor	39765-80-5	1700ppt
4,4'-DDE	72-55-9	8120ppt

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
NIST-1974C	Organics in Mussel Tissue (<i>Mytilus edulis</i>)	5x10g	80
	Analyte	CAS Number	Analyte Concentration
	1-Methylphenanthrene	832-69-9	3.07ppb
	2,2',3,4,4',5'-Hexachlorobiphenyl	35065-28-2	4.39ppb
	2,4'-DDD	53-19-0	0.398ppb
	2,4'-DDE	3424-82-6	0.346ppb
	2,4'-DDT	789-02-6	0.942ppb
	2-Methylanthracene	613-12-7	0.951ppb
	2-Methylphenanthrene	2531-84-2	4.56ppb
	3-Methylphenanthrene	832-71-3	4.09ppb
	4,4'-DDD	72-54-8	1.3ppb
	4,4'-DDE	72-55-9	1.85ppb
	9-Methylphenanthrene	883-20-5	2.46ppb
	Anthracene	120-12-7	1.17ppb
	Benz[a]anthracene	56-55-3	5.69ppb
	Benzo(a)fluoranthene	203-33-8	0.543ppb
	Benzo(b)chrysene	214-17-5	0.694ppb
	Benzo(c)phenanthrene	195-19-7	1.99ppb
	Benzo(e)pyrene	192-97-2	7.33ppb
	Benzo(g,h,i)fluoranthene	203-12-3	3.03ppb
	Benzo(k)fluoranthene	207-08-9	2.75ppb
	Benzo[a]pyrene	50-32-8	2.32ppb
	Benzo[ghi]perylene	191-24-2	2.82ppb
	Cis-Chlordane (Alpha Isomer)	5103-71-9	1.2ppb
	cis-Nonachlor	5103-73-1	0.286ppb
	Dibenzothiophene	132-65-0	1.53ppb
	Dibutyl tin	1002-53-5	2.98ppb
	Dieldrin	60-57-1	0.285ppb
	Fluoranthene	206-44-0	45.3ppb
	Fluorene	86-73-7	2.31ppb
	Heptachlor	76-44-8	0.132ppb
	Mercury	7439-97-6	19.7ppb
Methylmercury	22967-92-6	8.2ppb	
Monobutyl tin	78763-54-9	1.06ppb	
PBDE 17 (2,2',4-Tribromodiphenyl Ether)	147217-75-2	0.078ppb	
PBDE 25 (2,3',4-Tribromodiphenyl Ether)	147217-77-4	0.103ppb	
PBDE 47 (2,2',4,4'-Tetrabromodiphenyl Ether)	5436-43-1	0.939ppb	
PBDE 49 (2,2',4,5'-Tetrabromodiphenyl Ether)	243982-82-3	0.14ppb	
PBDE 99 (2,2',4,4',5-Pentabromodiphenyl Ether)	60348-60-9	0.375ppb	
PCB 99 (2,2',4,4',5-Pentachlorobiphenyl)	38380-01-7	3.55ppb	
PCB No. 101	37680-73-2	6.67ppb	
PCB No. 105	32598-14-4	1.57ppb	
PCB No. 110	38380-03-9	5.47ppb	
PCB No. 118	31508-00-6	4.08ppb	

Continued on next page

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Continued from previous page

Analyte	CAS Number	Analyte Concentration
PCB No. 128	38380-07-3	0.801ppb
PCB No. 146	51908-16-8	0.904ppb
PCB No. 149	38380-04-0	3.97ppb
PCB No. 151	52663-63-5	1.13ppb
PCB No. 153	35065-27-1	6.76ppb
PCB No. 156	38380-08-4	0.253ppb
PCB No. 158	74472-42-7	0.443ppb
PCB No. 163	74472-44-9	1.1ppb
PCB No. 170	35065-30-6	0.105ppb
PCB No. 177	52663-70-4	0.696ppb
PCB No. 178	52663-67-9	0.35ppb
PCB No. 18	37680-65-2	0.589ppb
PCB No. 180	35065-29-3	0.594ppb
PCB No. 183	52663-69-1	0.848ppb
PCB No. 187	52663-68-0	2.09ppb
PCB No. 28	7012-37-5	1.47ppb
PCB No. 31	16606-02-3	1.16ppb
PCB No. 44	41464-39-5	1.54ppb
PCB No. 45	70362-45-7	0.214ppb
PCB No. 49	41464-40-8	1.76ppb
PCB No. 52	35693-99-3	2.49ppb
PCB No. 56	41464-43-1	0.663ppb
PCB No. 63	74472-34-7	0.137ppb
PCB No. 66	32598-10-0	1.65ppb
PCB No. 70	32598-11-1	1.57ppb
PCB No. 74	32690-93-0	0.85ppb
PCB No. 8	34883-43-7	0.191ppb
PCB No. 82	52663-62-4	0.507ppb
PCB No. 87	38380-02-8	2.08ppb
PCB No. 92	52663-61-3	1.06ppb
PCB No. 95	38379-99-6	1.82ppb
Perylene	198-55-0	0.56ppb
Phenanthrene	85-01-8	19.6ppb
Picene	213-46-7	1.36ppb
Pyrene	129-00-0	23.9ppb
Trans-Chlordane (Gamma Isomer)	5103-74-2	0.741ppb
trans-Nonachlor	39765-80-5	0.742ppb
Tributyl tin	688-73-3	5.14ppb

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
NIST-2261	Chlorinated Pesticides in Hexane	5x1.2ml	13
	Analyte	CAS Number	Analyte Concentration
	2,4'-DDD	53-19-0	3.013mg/kg
	2,4'-DDE	3424-82-6	3.019mg/kg
	2,4'-DDT	789-02-6	2.993mg/kg
	4,4'-DDE	72-55-9	3.019mg/kg
	4,4'-DDT	50-29-3	3.004mg/kg
	Cis-Chlordane (Alpha Isomer)	5103-71-9	3.012mg/kg
	Dieldrin	60-57-1	3.012mg/kg
	gamma-HCH	58-89-9	3.012mg/kg
	Heptachlor	76-44-8	3.02mg/kg
	Heptachlor epoxide		3.02mg/kg
	Hexachlorobenzene	118-74-1	3.005mg/kg
	Mirex	2385-85-5	3.041mg/kg
	trans-Nonachlor	39765-80-5	3.034mg/kg

Product Code	Product Description	Pack size	Number of Analytes
NIST-2275	Chlorinated Pesticides Solution-II in iso-Octane	5x1.2ml	9
	Analyte	CAS Number	Analyte Concentration
	alpha-Endosulfan	959-98-8	2.88mg/kg
	alpha-HCH	319-84-6	3mg/kg
	beta-Endosulfan	33213-65-9	2.943mg/kg
	beta-HCH	319-85-7	2.98mg/kg
	cis-Nonachlor	5103-73-1	2.938mg/kg
	Endosulfan-sulfate	1031-07-8	2.926mg/kg
	Endrin	72-20-8	2.908mg/kg
	oxy-Chlordane	27304-13-8	2.86mg/kg
	Trans-Chlordane (Gamma Isomer)	5103-74-2	2.954mg/kg

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Pack size	Number of Analytes
NIST-2974A	Mussel tissue - Organics	5g	64
	Analyte	CAS Number	Analyte Concentration
	1-Methylphenanthrene	832-69-9	17.6ppb
	1-Methylpyrene	2381-21-7	10.69ppb
	2,2',3,4,4',5'-Hexachlorobiphenyl	35065-28-2	61.5ppb
	2-Methylphenanthrene	2531-84-2	28.2ppb
	3-Methylphenanthrene	832-71-3	24.1ppb
	4,4'-DDD	72-54-8	13.56ppb
	4,4'-DDE	72-55-9	17.37ppb
	4,4'-DDT	50-29-3	6.78ppb
	4,5-Methylenephenanthrene	203-64-5	13.15ppb
	4-Methylpyrene	3353-12-6	19.77ppb
	9-Methylphenanthrene	883-20-5	15.9ppb
	Benz[a]anthracene	56-55-3	31.1ppb
	Benzo(c)phenanthrene	195-19-7	23.2ppb
	Benzo(e)pyrene	192-97-2	58.9ppb
	Benzo(g,h,i)fluoranthene	203-12-3	18.7ppb
	Benzo(j)fluoranthene	205-82-3	21.4ppb
	Benzo(k)fluoranthene	207-08-9	18.95ppb
	Benzo[a]pyrene	50-32-8	9.73ppb
	Benzo[b]fluoranthene	205-99-2	41.5ppb
	Benzo[ghi]perylene	191-24-2	23.7ppb
	Chrysene and Triphenylene		123.6ppb
	Cis-Chlordane (Alpha Isomer)	5103-71-9	8.54ppb
	cis-Nonachlor	5103-73-1	1.91ppb
	Fluoranthene	206-44-0	287ppb
	Hexachlorobenzene	118-74-1	0.113ppb
	Mercury	7439-97-6	195ppb
	Methylmercury	22967-92-6	69.06ppb
	PBDE 153 (2,2',4,4',5,5'-Hexabromodiphenyl Ether)	68631-49-2	0.201ppb
	PBDE 209 (2,2',3,3',4,4',5,5',6,6'-Decabromodiphenyl Ether)	1163-19-5	1.99ppb
	PBDE 28 (2,4,4'-Tribromodiphenyl Ether)	41318-75-6	0.905ppb
	PBDE 49 (2,2',4,5'-Tetrabromodiphenyl Ether)	243982-82-3	1.36ppb
PBDE 99 (2,2',4,4',5-Pentabromodiphenyl Ether)	60348-60-9	4.78ppb	
PCB 99 (2,2',4,4',5-Pentachlorobiphenyl)	38380-01-7	24.51ppb	
PCB No. 101	37680-73-2	39.84ppb	
PCB No. 105	32598-14-4	16.47ppb	
PCB No. 110	38380-03-9	35.88ppb	
PCB No. 118	31508-00-6	42.9ppb	
PCB No. 128	38380-07-3	8.24ppb	
PCB No. 146	51908-16-8	8.07ppb	
PCB No. 149	38380-04-0	31.77ppb	
PCB No. 151	52663-63-5	5.99ppb	

Continued on next page

Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Continued from previous page

Analyte	CAS Number	Analyte Concentration
PCB No. 153	35065-27-1	78.8ppb
PCB No. 156	38380-08-4	5.8ppb
PCB No. 170	35065-30-6	2.04ppb
PCB No. 177	52663-70-4	5.48ppb
PCB No. 18	37680-65-2	4.03ppb
PCB No. 180	35065-29-3	5.31ppb
PCB No. 183	52663-69-1	7.06ppb
PCB No. 187	52663-68-0	15.52ppb
PCB No. 194	35694-08-7	0.485ppb
PCB No. 44	41464-39-5	16.24ppb
PCB No. 49	41464-40-8	17.1ppb
PCB No. 52	35693-99-3	22.42ppb
PCB No. 66	32598-10-0	20.6ppb
PCB No. 70	32598-11-1	15.45ppb
PCB No. 74	32690-93-0	9.02ppb
PCB No. 8	34883-43-7	2.01ppb
PCB No. 87	38380-02-8	14.36ppb
PCB No. 95	38379-99-6	23.72ppb
Perylene	198-55-0	6.8ppb
Phenanthrene	85-01-8	74.4ppb
Pyrene	129-00-0	166ppb
Trans-Chlordane (Gamma Isomer)	5103-74-2	7.12ppb
trans-Nonachlor	39765-80-5	5.6ppb

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
NIST-8238	Glyphosphate in Oat Flour (High Level)	Glyphosate	100g	1071-83-6	442ng/g
NIST-8239	Glyphosphate in Oat Flour (Low Level)	Glyphosate	100g	1071-83-6	68.7ng/g

**Food, Feed and
Beverages
Physical**



Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
BCR-537	Plastic film A - Overall migration in olive oil	EN1186 test material in contact with foodstuff	33cmx-22.5cm	not applicable	8.3mg/dm ²
BCR-539	Plastic film C - Overall migration in olive oil	EN1186 test material in contact with foodstuff	45cmx-25cm		6.1 mg/dm ²
LGC2405	Benzoic Acid – Melting Point 122.36 °C	Melting point	0.25g		122.36°C

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
NIST-2214	Isooctane (2, 2, 4-Trimethylpentane) - Density	Density 2,2,4-Trimethylpentane	4x5ml	540-84-1	695.969kg/m ³



Food & Environmental Matrix Reference Materials Catalogue 2024

Product Listings: Food, Feed and Beverages

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
ERM-FD102	ERM-FD102 Mixture of nanoparticles in aqueous solution	Scattering Intensity	88.5nm		17.8nm
NIST-2798A	Bright nickel - Hardness (Vickers type)	Nickel	Each		4.905N
NIST-39J	Benzoic acid - Heat of combustion	Benzoic acid	30g	65-85-0	26434J/g
NIST-45D	Copper - Freezing point	Copper	450g	7440-50-8	1084.6°C
NIST-1746	Silver - Freezing point	Silver	300g	7440-22-4	961.78°C

Product Code	Product Description	Pack size	Number of Analytes
NIST-114R	Portland cement fineness standard	20x5g	2
	Analyte	CAS Number	Analyte Concentration
	Sieve Residue (45 um residue)		5.97%
	Specific surface area		3932cm ² /g

Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
NIST-1196A	Standard Cigarette for Ignition Resistance Testing	Ignition strength	Pack		95.6%

Product Code	Product Description	Pack size	Number of Analytes
NIST-1450E	Thermal Conductivity - Fibrous Glass Board	Each	2
	Analyte	CAS Number	Analyte Concentration
	Density		
	Thermal conductivity		

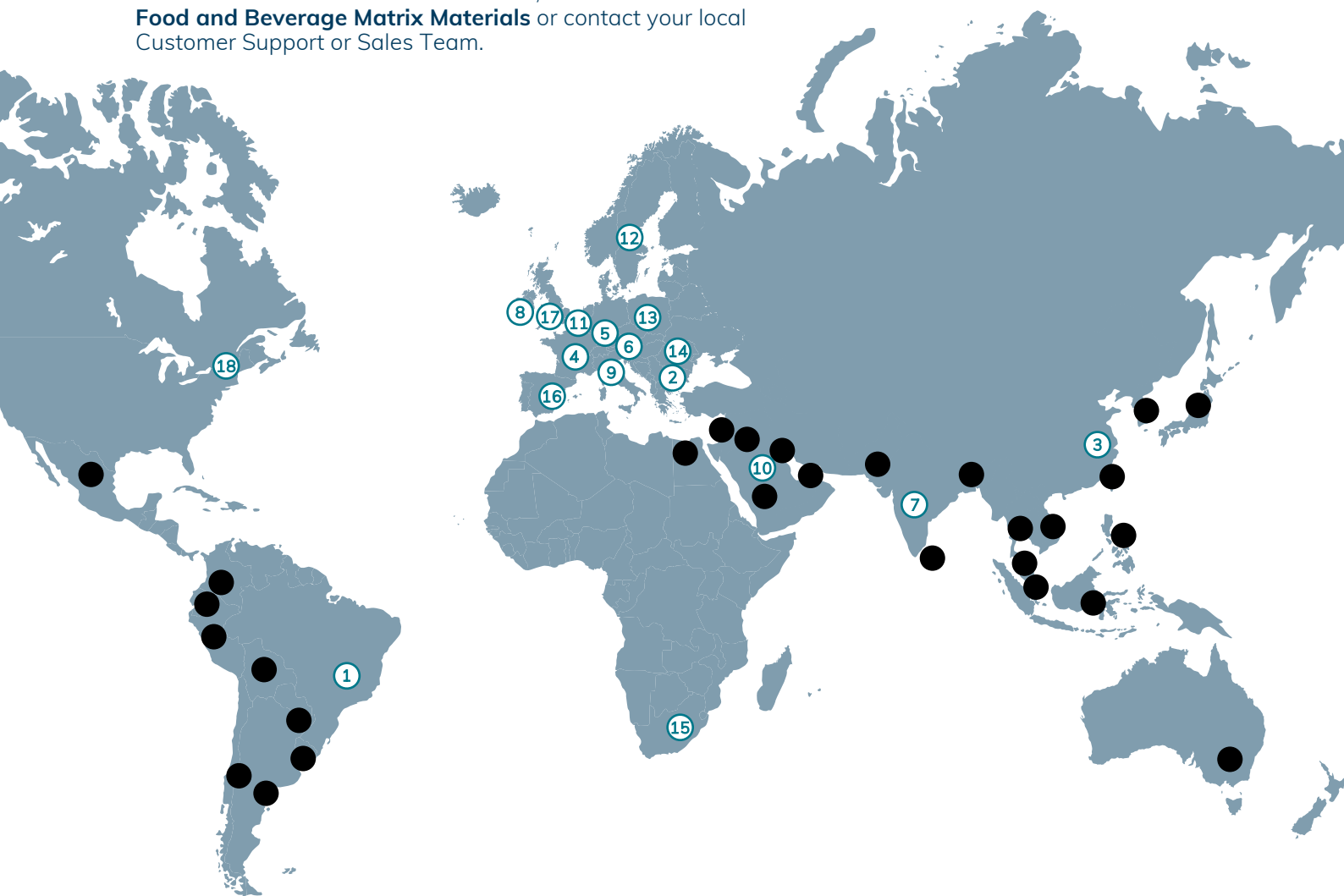
Product Code	Product Description	Analyte	Pack Size	CAS number	Analyte Concentration
NIST-1656	Thianthrene Combustion Calorimeter	Calorific value	30g	33.48MJ/kg	33.48

Product Code	Product Description	Pack size	Number of Analytes
NIST-1657	Synthetic refuse-derived fuel - Heat of combustion	100g	2
	Analyte	CAS Number	Analyte Concentration
	Ash		20.34%
	Calorific value		13.87MJ/kg

Analyte values given in brackets are given for interest

LGC worldwide

Our range of matrix materials extends beyond those listed in this document. For more information, visit our website for **Food and Beverage Matrix Materials** or contact your local Customer Support or Sales Team.



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