



Labcare
de Colombia



Food & Environmental Matrix Reference Materials Catalogue 2021

LGC Quality

ISO 17034 | ISO/IEC 17025 | ISO 9001

For details on our full range of matrix
materials visit us online:

W | lgcstandards.com



Food & Environmental Matrix Reference Materials Catalogue 2021

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. Their 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 their reference materials are produced under their 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 the 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 drinking waters, to a unique 5-allergen kit.



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, Fumonisin 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 100 g 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.



Environment Canada

Environment Canada offers a range of reference materials to help improve the reliability of measurements at mineral analysis labs in Canada and around the world. Environment Canada reference materials can be used as standards to validate analytical measurement methods or to calibrate instrumentation used in analytical chemistry. The use of Environment Canada standards support environmental testing of natural water sources, sediments, and water for consumption to ensure compliance with environmental regulations.



muva kempten GmbH

Muva kempten GmbH offers an extensive range of approximately 80 different reference materials for checking routine analysis or for the calibration of analytical equipment. The reference values are reliably characterised using sufficient data sets from traceable methods. In addition, both homogeneity testing and continuous monitoring of storage stability ensure consistent quality.

Each product is shipped with a detailed data sheet that includes the reference values with their uncertainties, information on the process used, as well as the homogeneity and stability of the materials. Information on storage, sample preparation, use and possible disposal are also provided.

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National Institute of Standards and Technology (NIST)

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

NIST supports accurate and compatible measurements by certifying and providing over 1300 Standard Reference Materials® with well-characterised composition or properties, or both. These materials can be used to perform instrument calibrations in units as part of overall quality assurance programs, 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.



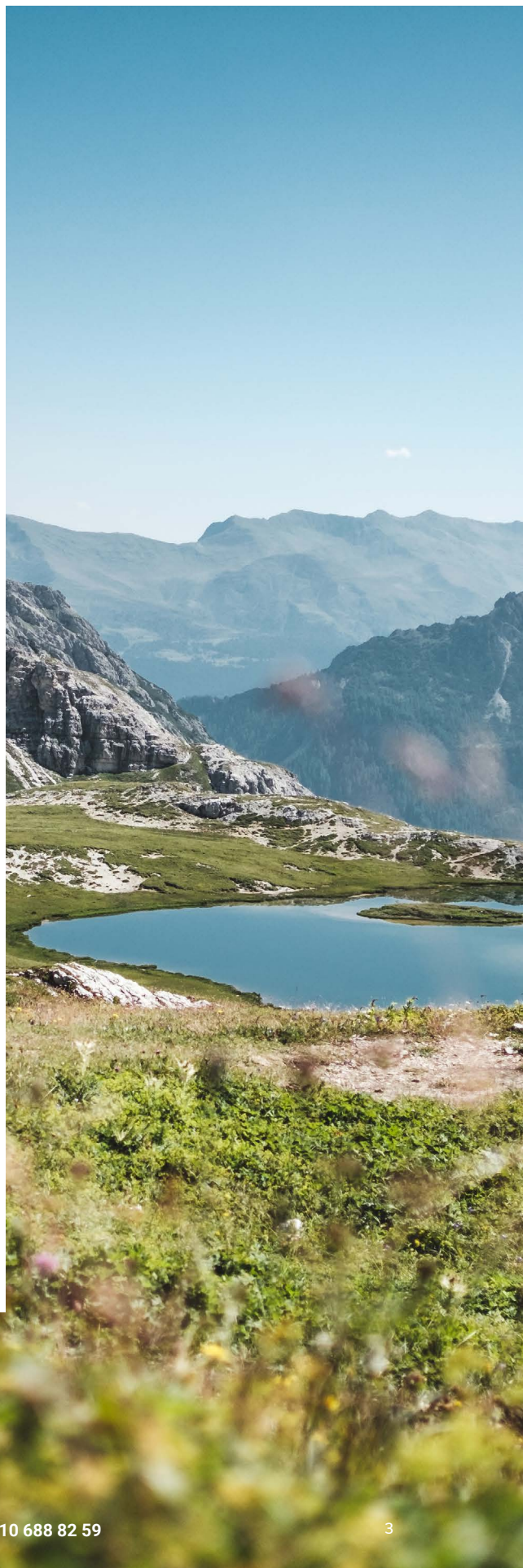
Joint Research Centre (JRC)

The Joint Research Centre (JRC) 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, IRMM, as well as JRC produced ERM-branded materials.



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Anthropogenic Particles



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Product listings

Organic Contaminants

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

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Analyte	CAS number	Analyte concentration
PCB No. 194	35694-08-7	28.5 µg/kg
PCB No. 206	40186-72-9	17 µg/kg
PCB No. 49	41464-40-8	9.1 µg/kg
PCB No. 52	35693-99-3	24.3 µg/kg
Perylene	198-55-0	0.614 mg/kg
Picene	213-46-7	0.399 mg/kg
Pyrene	129-00-0	4.98 mg/kg
Retene	483-65-8	0.238 mg/kg
Trans-Chlordane (Gamma Isomer)	5103-74-2	51.9 µg/kg
trans-Nonachlor	39765-80-5	33.7 µg/kg
Triphenylene	217-59-4	1.324 mg/kg

POPs

Product code	Product description	Pack size	Number of analytes
NIST-1597A	Complex Mixture of PAHs from Coal Tar	1.3 mL	34
Analyte	CAS number	Analyte concentration	
1-Methylphenanthrene	832-69-9	9.23 mg/kg	
2-Methylphenanthrene	2531-84-2	19.1 mg/kg	
3-Methylphenanthrene	832-71-3	15.8 mg/kg	
9-Methylphenanthrene	883-20-5	5.31 mg/kg	
Acenaphthene	83-32-9	7.63 mg/kg	
Acenaphthylene	208-96-8	263 mg/kg	
Anthracene	120-12-7	107 mg/kg	
Benz[a]anthracene	56-55-3	98.1 mg/kg	
Benzo(b)chrysene	214-17-5	10.8 mg/kg	
Benzo(b/k)fluoranthene		11.2 mg/kg	
Benzo(c)phenanthrene	195-19-7	11 mg/kg	
Benzo(e)pyrene	192-97-2	50.4 mg/kg	
Benzo(g,h,i)fluoranthene	203-12-3	13.5 mg/kg	
Benzo(j)fluoranthene	205-82-3	36.5 mg/kg	
Benzo(k)fluoranthene	207-08-9	41.2 mg/kg	
Benzo[a]pyrene	50-32-8	93.5 mg/kg	
Benzo[b]fluoranthene	205-99-2	66.1 mg/kg	
Benzo[ghi]perylene	191-24-2	50.5 mg/kg	
Biphenyl	92-52-4	27.6 mg/kg	
Chrysene	218-01-9	66.2 mg/kg	
Dibenzo(a,e)pyrene	192-65-4	9.08 mg/kg	
Dibenzo(a,h)anthracene	53-70-3	6.93 mg/kg	
Dibenzo(a,j)anthracene	224-41-9	6.8 mg/kg	

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Analyte	CAS number	Analyte concentration
Dibenzo[a,c]anthracene	215-58-7	4.35 mg/kg
Dibenzo[a,h]pyrene	189-64-0	2.57 mg/kg
Fluoranthene	206-44-0	327 mg/kg
Fluorene	86-73-7	145 mg/kg
Indeno[1,2,3-cd]pyrene	193-39-5	55.5 mg/kg
Naphthalene	91-20-3	1030 mg/kg
Perylene	198-55-0	24.6 mg/kg
Phenanthrene	85-01-8	454 mg/kg
Picene	213-46-7	6.59 mg/kg
Pyrene	129-00-0	240 mg/kg
Triphenylene	217-59-4	12.1 mg/kg

Product code	Product description	Pack size	Number of analytes
NIST-1650B	Diesel particulate matter - PAHs and nitro-PAHs	200mg	33
Analyte	CAS number	Analyte concentration	
1-Methylphenanthrene	832-69-9	32.1 mg/kg	
1-Nitropyrene	5522-43-0	18400 µg/kg	
2-Methylphenanthrene	2531-84-2	72.3 mg/kg	
2-Nitrofluoranthene	13177-29-2	217 µg/kg	
3-Methylphenanthrene	832-71-3	56.7 mg/kg	
3-Nitrofluoranthene	892-21-7	65.1 µg/kg	
3-Nitrophenanthrene	17024-19-0	4250 µg/kg	
6-Nitrochrysene	7496-02-8	46.6 µg/kg	
7-Nitrobenzo[a]anthracene	20268-51-3	943 µg/kg	
9-Methylphenanthrene	883-20-5	36.6 mg/kg	
9-Nitrophenanthrene	954-46-1	539 µg/kg	
Benz[a]anthracene	56-55-3	6.45 mg/kg	
Benzo(a)fluoranthene	203-33-8	0.384 mg/kg	
Benzo(b)chrysene	214-17-5	0.301 mg/kg	
Benzo(c)phenanthrene	195-19-7	2.65 mg/kg	
Benzo(e)pyrene	192-97-2	6.36 mg/kg	
Benzo(g,h,i)fluoranthene	203-12-3	11.1 mg/kg	
Benzo(j)fluoranthene	205-82-3	3.24 mg/kg	
Benzo(k)fluoranthene	207-08-9	2.3 mg/kg	
Benzo[a]pyrene	50-32-8	1.25 mg/kg	
Benzo[b]fluoranthene	205-99-2	6.77 mg/kg	
Benzo[ghi]perylene	191-24-2	6.04 mg/kg	
Chrysene	218-01-9	13.4 mg/kg	
Dibenzo(a,h)anthracene	53-70-3	0.365 mg/kg	

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Analyte	CAS number	Analyte concentration
Dibenzo(a,j)anthracene	224-41-9	0.387 mg/kg
Dibenzo[a,c]anthracene	215-58-7	0.439 mg/kg
Fluoranthene	206-44-0	48.1 mg/kg
Indeno[1,2,3-cd]pyrene	193-39-5	4.48 mg/kg
Perylene	198-55-0	0.167 mg/kg
Phenanthrene	85-01-8	65.6 mg/kg
Picene	213-46-7	0.506 mg/kg
Pyrene	129-00-0	44.1 mg/kg
Triphenylene	217-59-4	9.49 mg/kg

Product code	Product description	Pack size	Number of analytes
NIST-2787	Fine Particulate Matter <10 micrometers	140mg	34
Analyte	CAS number	Analyte concentration	
1-Nitropyrene	5522-43-0	69.5 µg/kg	
2-Nitrofluoranthene	13177-29-2	280 µg/kg	
Aluminium	7429-90-5	35970 mg/kg	
BDE 99	60348-60-9	5.83 µg/kg	
Benzo(a)fluoranthene	203-33-8	0.736 mg/kg	
Benzo(b)chrysene	214-17-5	0.581 mg/kg	
Benzo(b,k)fluoranthene		0.823 mg/kg	
Benzo(e)pyrene	192-97-2	4.05 mg/kg	
Benzo(g,h,i)fluoranthene	203-12-3	3.44 mg/kg	
Benzo(j)fluoranthene	205-82-3	3.77 mg/kg	
Benzo(k)fluoranthene	207-08-9	2.94 mg/kg	
Benzo[a]pyrene	50-32-8	3.228 mg/kg	
Benzo[b]fluoranthene	205-99-2	6.56 mg/kg	
Benzo[ghi]perylene	191-24-2	4.99 mg/kg	
Cadmium	7440-43-9	4.53 mg/kg	
Chromium	7440-47-3	214 mg/kg	
Chrysene	218-01-9	7.74 mg/kg	
Coronene	191-07-1	1.7 mg/kg	
Dibenzo(a,e)pyrene	192-65-4	0.567 mg/kg	
Dibenzo(a,j)anthracene	224-41-9	0.502 mg/kg	
Dibenzo[a,c]anthracene	215-58-7	0.418 mg/kg	
Fluoranthene	206-44-0	12.28 mg/kg	
Fluorene	86-73-7	0.15 mg/kg	
Indeno[1,2,3-cd]pyrene	193-39-5	4.18 mg/kg	
Lead	7439-92-1	240 mg/kg	
Manganese	7439-96-5	741 mg/kg	

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Analyte	CAS number	Analyte concentration
Mercury	7439-97-6	0.706 mg/kg
PBDE 209	1163-19-5	169 µg/kg
Perylene	198-55-0	0.737 mg/kg
Picene	213-46-7	1.074 mg/kg
Pyrene	129-00-0	9.6 mg/kg
Retene	483-65-8	4.23 mg/kg
Triphenylene	217-59-4	1.724 mg/kg
Vanadium	7440-62-2	81.7 mg/kg

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	37
Analyte	CAS number	Analyte concentration	
1-Nitropyrene	5522-43-0	85.9 µg/kg	
2-Nitrofluoranthene	13177-29-2	330 µg/kg	
Aluminium	7429-90-5	33480 mg/kg	
BDE 99	60348-60-9	7.6 µg/kg	
Benz[a]anthracene	56-55-3	4.82 mg/kg	
Benzo(a)fluoranthene	203-33-8	0.898 mg/kg	
Benzo(b)chrysene	214-17-5	0.662 mg/kg	
Benzo(b,k)fluoranthene		1.013 mg/kg	
Benzo(c)phenanthrene	195-19-7	1.597 mg/kg	
Benzo(e)pyrene	192-97-2	4.77 mg/kg	
Benzo(g,h,i)fluoranthene	203-12-3	3.158 mg/kg	
Benzo(j)fluoranthene	205-82-3	4.37 mg/kg	
Benzo(k)fluoranthene	207-08-9	3.48 mg/kg	
Benzo[a]pyrene	50-32-8	3.7 mg/kg	
Benzo[b]fluoranthene	205-99-2	7.51 mg/kg	
Benzo[ghi]perylene	191-24-2	5.6 mg/kg	
Cadmium	7440-43-9	4.34 mg/kg	
Chromium	7440-47-3	462.2 mg/kg	
Chrysene	218-01-9	6.82 mg/kg	
Copper	7440-50-8	847 mg/kg	
Coronene	191-07-1	2.156 mg/kg	
Dibenzo(a,e)pyrene	192-65-4	0.812 mg/kg	
Dibenzo(a,h)anthracene	53-70-3	0.717 mg/kg	
Dibenzo(a,j)anthracene	224-41-9	0.61 mg/kg	
Dibenzo[a,c]anthracene	215-58-7	0.509 mg/kg	
Fluoranthene	206-44-0	10.28 mg/kg	

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Analyte	CAS number	Analyte concentration
Fluorene	86-73-7	0.195 mg/kg
Indeno[1,2,3-cd]pyrene	193-39-5	4.87 mg/kg
Lead	7439-92-1	286 mg/kg
Manganese	7439-96-5	780 mg/kg
Mercury	7439-97-6	5.32 mg/kg
PBDE 209	1163-19-5	243 µg/kg
Perylene	198-55-0	0.769 mg/kg
Picene	213-46-7	1.242 mg/kg
Pyrene	129-00-0	8.01 mg/kg
Triphenylene	217-59-4	1.794 mg/kg
Vanadium	7440-62-2	85.5 mg/kg

Product code	Product description	Pack size	Number of analytes
NIST-2785	House dust - Organic contaminant	10g	82
Analyte	CAS number	Analyte concentration	
1-Methylphenanthrene	832-69-9	197 µg/kg	
2,2',3,4,4',5'-Hexachlorobiphenyl	35065-28-2	27.6 µg/kg	
2,4'-DDT	789-02-6	44.5 µg/kg	
2-Methylphenanthrene	2531-84-2	352 µg/kg	
3-Methylphenanthrene	832-71-3	293 µg/kg	
4,4'-DDD	72-54-8	27.3 µg/kg	
4,4'-DDE	72-55-9	261 µg/kg	
4,4'-DDT	50-29-3	111 µg/kg	
4,5-Methylenphenanthrene	203-64-5	117 µg/kg	
9-Methylphenanthrene	883-20-5	205 µg/kg	
Anthracene	120-12-7	96 µg/kg	
BDE 100	189084-64-8	145 µg/kg	
BDE 153	68631-49-2	119 µg/kg	
BDE 154	207122-15-4	83.5 µg/kg	
BDE 183	207122-16-5	43 µg/kg	
BDE 28	41318-75-6	46.9 µg/kg	
BDE 99	60348-60-9	892 µg/kg	
Benz[a]anthracene	56-55-3	1160 µg/kg	
Benzo(a)fluoranthene	203-33-8	74.5 µg/kg	
Benzo(b)chrysene	214-17-5	182 µg/kg	
Benzo(b,k)fluoranthene		596 µg/kg	
Benzo(c)phenanthrene	195-19-7	288 µg/kg	
Benzo(e)pyrene	192-97-2	2160 µg/kg	
Benzo(g,h,i)fluoranthene	203-12-3	317 µg/kg	

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Analyte	CAS number	Analyte concentration
Benzo(j)fluoranthene	205-82-3	1320 µg/kg
Benzo(k)fluoranthene	207-08-9	1330 µg/kg
Benzo[a]pyrene	50-32-8	1140 µg/kg
Benzo[b]fluoranthene	205-99-2	2700 µg/kg
Benzo[ghi]perylene	191-24-2	2280 µg/kg
Chrysene	218-01-9	2260 µg/kg
Coronene	191-07-1	603 µg/kg
Dibenzo(a,e)pyrene	192-65-4	477 µg/kg
Dibenzo(a,h)anthracene	53-70-3	301 µg/kg
Dibenzo(a,j)anthracene	224-41-9	267 µg/kg
Dibenzo[a,c]anthracene	215-58-7	183 µg/kg
Dibenzothiophene	132-65-0	109 µg/kg
Fluoranthene	206-44-0	4380 µg/kg
Indeno[1,2,3-cd]pyrene	193-39-5	2080 µg/kg
Naphthalene	91-20-3	266 µg/kg
PBDE 138	182677-30-1	15.2 µg/kg
PBDE 155	35854-94-5	3.94 µg/kg
PBDE 17	147217-75-2	11.5 µg/kg
PBDE 203 (2,2',3,4,4',5,5',6-Octabromodiphenyl Ether)	337513-72-1	36.7 µg/kg
PBDE 206 (2,2',3,3',4,4',5,5',6-Nonabromodiphenyl Ether)	63387-28-0	271 µg/kg
PBDE 209	1163-19-5	2510 µg/kg
PBDE 47 (2,2',4,4'-Tetrabromodiphenyl ether)	5436-43-1	497 µg/kg
PBDE 49	243982-82-3	53.5 µg/kg
PBDE 85	182346-21-0	43.8 µg/kg
PCB No. 18	37680-65-2	12.8 µg/kg
PCB No. 28	7012-37-5	13.4 µg/kg
PCB No. 31	16606-02-3	14 µg/kg
PCB No. 44	41464-39-5	18.1 µg/kg
PCB No. 52	35693-99-3	21.8 µg/kg
PCB No. 56	41464-43-1	4.42 µg/kg
PCB No. 70	32598-11-1	13.1 µg/kg
PCB No. 74	32690-93-0	5.22 µg/kg
PCB No. 87	38380-02-8	16.6 µg/kg
PCB No. 92	52663-61-3	5.48 µg/kg
PCB No. 95	38379-99-6	22.7 µg/kg
PCB 99 (2,2',4,4',5-Pentachlorobiphenyl)	38380-01-7	11.6 µg/kg
PCB No. 101	37680-73-2	29.8 µg/kg
PCB No. 105	32598-14-4	13.2 µg/kg
PCB No. 107	70424-68-9	4.14 µg/kg
PCB No. 110	38380-03-9	28.1 µg/kg
PCB No. 118	31508-00-6	26.3 µg/kg
PCB No. 146	51908-16-8	4.89 µg/kg
PCB No. 149	38380-04-0	24.4 µg/kg

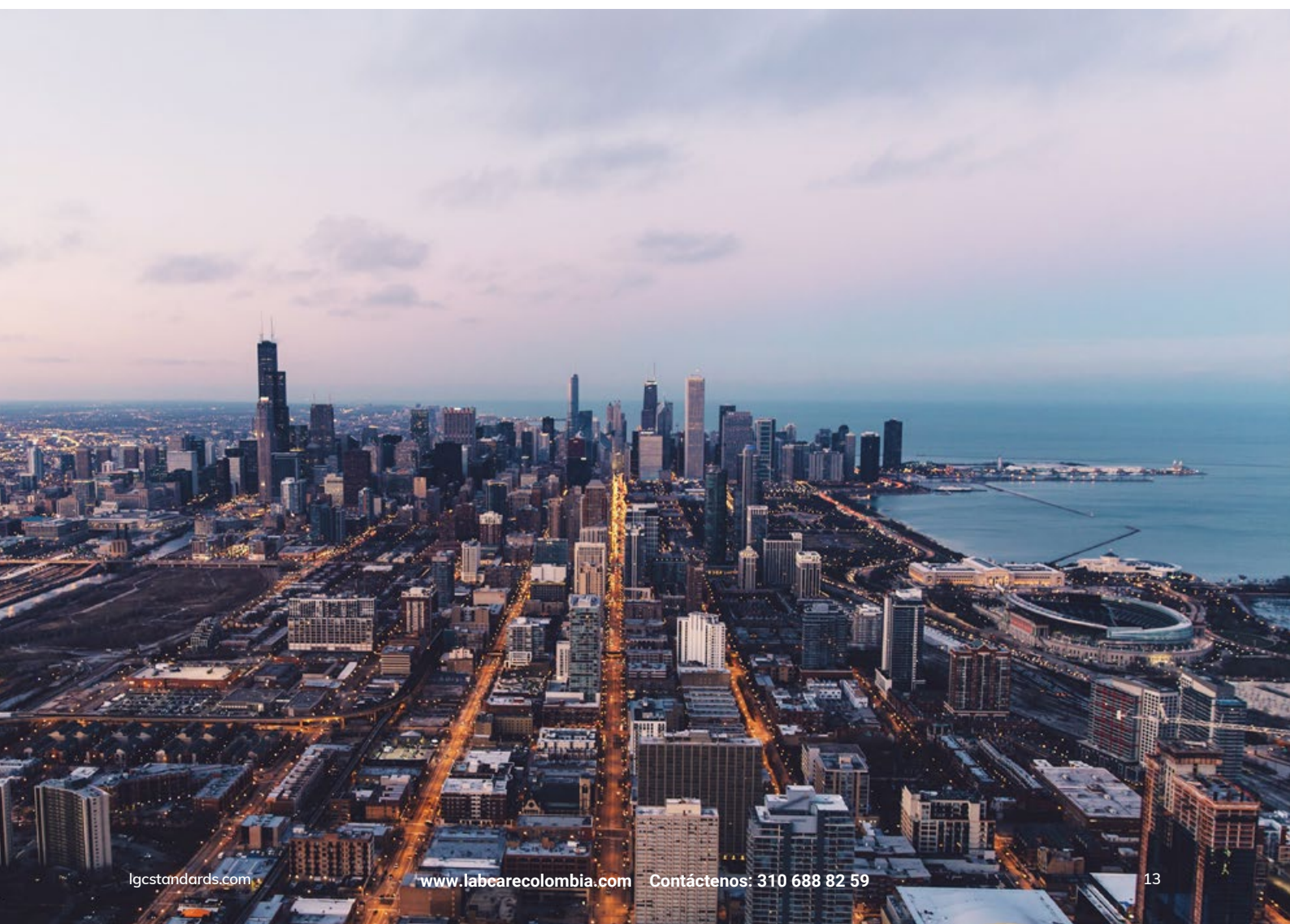
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Analyte	CAS number	Analyte concentration
PCB No. 151	52663-63-5	6.92 µg/kg
PCB No. 153	35065-27-1	40.2 µg/kg
PCB No. 158	74472-42-7	4.5 µg/kg
PCB No. 163	74472-44-9	7.2 µg/kg
PCB No. 170	35065-30-6	8.8 µg/kg
PCB No. 174	38411-25-5	8.83 µg/kg
PCB No. 180	35065-29-3	18.4 µg/kg
PCB No. 183	52663-69-1	5.27 µg/kg
PCB No. 187	52663-68-0	11.3 µg/kg
PCB No. 206	40186-72-9	3.81 µg/kg
Perylene	198-55-0	387 µg/kg
Phenanthrene	85-01-8	1920 µg/kg
Picene	213-46-7	413 µg/kg
Pyrene	129-00-0	3290 µg/kg
Triphenylene	217-59-4	589 µg/kg



Soils & Sediment



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Product listings

Soil

Product code	Product description	Pack size	Number of analytes
LGC6115	Contaminated Soil - PCBs and PAHs	50g	7
Analyte		CAS number	Analyte concentration
PCB 101		37680-73-2	93 µg/kg
PCB 118		31508-00-6	116 µg/kg
Phenanthrene		85-01-8	178 mg/kg
Fluoranthene		206-44-0	312 mg/kg
Benzo[a]anthracene		56-55-3	36 mg/kg
Benzo[a]pyrene		50-32-8	0.13 mg/kg
Benzo[ghi]perylene		191-24-2	0.33 mg/kg

Product code	Product description	Pack size	Number of analytes
LGC6145	Contaminated clay loam soil - Extractable	50g	18
Analyte		CAS number	Analyte concentration
Acenaphthylene		208-96-8	1 mg/kg
Anthracene		120-12-7	5 mg/kg
Arsenic		7440-38-2	38.7 mg/kg
Benzo[b]fluoranthene		205-99-2	12 mg/kg
Cadmium		7440-43-9	0.65 mg/kg
Chromium		7440-47-3	47.6 mg/kg
Chrysene		218-01-9	45 mg/kg
Copper		7440-50-8	62.2 mg/kg
Indeno[1,2,3-cd]pyrene		193-39-5	0.97 mg/kg
Lead		7439-92-1	45.1 mg/kg
Naphthalene		91-20-3	4 mg/kg
Nickel		7440-02-0	39 mg/kg
Phenanthrene		85-01-8	178 mg/kg
Selenium		7782-49-2	1.81 mg/kg
Vanadium		7440-62-2	53.9 mg/kg
Water soluble chloride		N/A	65 mg/kg
Water soluble sulfate		N/A	5.3 g/L
Zinc		7440-66-6	137 mg/kg

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Product code	Product description	Pack size	Number of analytes
LGCQC3013	Loamy sand soil 2 - Total Petroleum Hydrocarbons	100g	1
Analyte		CAS number	Analyte concentration
Total petroleum hydrocarbons (C10-C40 inclusive)		N/A	4100 mg/kg

Product code	Product description	Pack size	Number of analytes
NIST-4353A	Rocky Flats Soil Number 2	90g	9
Analyte		CAS number	Analyte concentration
Cesium-137		10045-97-3	21.6 mBq/g
Lead-210		N/A	58 mBq/g
Plutonium-238		N/A	0.278 mBq/g
Plutonium-239 and -240		N/A	16.8 mBq/g
Radium 228		15262-20-1	74.9 mBq/g
Strontium-90		10098-97-2	10.5 mBq/g
Uranium-234		N/A	40.4 mBq/g
Uranium-235		N/A	1.88 mBq/g
Uranium-238		N/A	39.6 mBq/g

Product code	Product description	Pack size	Number of analytes
BAM-U013C	Polycyclic aromatic hydrocarbons (PAH) in soil	73g	16
Analyte		CAS number	Analyte concentration
Acenaphthene		83-32-9	0.69 mg/kg
Anthracene		120-12-7	2.38 mg/kg
Benz[a]anthracene		56-55-3	9.6 mg/kg
Benzo[k]fluoranthene		207-08-9	4.7 mg/kg
Benzo[a]pyrene		50-32-8	8.1 mg/kg
Benzo[b]fluoranthene		205-99-2	11.3 mg/kg
Benzo[ghi]perylene		191-24-2	5.5 mg/kg
Chrysene		218-01-9	10.6 mg/kg
Dibenzo(a,h)anthracene		53-70-3	2.02 mg/kg
Fluoranthene		206-44-0	14.2 mg/kg
Fluorene		86-73-7	0.98 mg/kg
Indeno[1,2,3-cd]pyrene		193-39-5	5.5 mg/kg
Naphthalene		91-20-3	1.9 mg/kg
Phenanthrene		85-01-8	7 mg/kg
Pyrene		129-00-0	9.7 mg/kg
Total PAH		N/A	94.2 mg/kg

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Product listings

Product code	Product description	Pack size	Number of analytes
BAM-U019A	PCB in soil	81g	7
Analyte		CAS number	Analyte concentration
2,2',3,4,4',5'-Hexachlorobiphenyl		35065-28-2	1.02 mg/kg
PCB No. 28		7012-37-5	0.186 mg/kg
PCB No. 52		35693-99-3	2.394 mg/kg
PCB No. 101		37680-73-2	2.709 mg/kg
PCB No. 118		31508-00-6	1.48 mg/kg
PCB No. 153		35065-27-1	1.072 mg/kg
PCB No. 180		35065-29-3	0.292 mg/kg

Product code	Product description	Pack size	Number of analytes
ERM-CC007A	Soil - Pesticides	103g	6
Analyte		CAS number	Analyte concentration
2,4'-DDT		789-02-6	340 µg/kg
4,4'-DDE		72-55-9	380 µg/kg
4,4'-DDT		50-29-3	960 µg/kg
alpha-HCH		319-84-6	219 µg/kg
beta-HCH		319-85-7	1570 µg/kg
gamma-HCH		58-89-9	21.4 µg/kg

Product code	Product description	Pack size	Number of analytes
ERM-CC008	Soil - Pentachlorophenol	30g	1
Analyte		CAS number	Analyte concentration
Pentachlorophenol		87-86-5	2.04 mg/kg

Product code	Product description	Pack size	Number of analytes
ERM-CC009	Soil - Pentachlorophenol	30g	1
Analyte		CAS number	Analyte concentration
Pentachlorophenol		87-86-5	2.91 mg/kg

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Product listings

Product code	Product description	Pack size	Number of analytes
ERM-CC135	Contaminated Brickworks Soil	50g	32
Analyte		CAS number	Analyte concentration
Aluminium (Extractable)		7429-90-5	22700 mg/kg
Barium (Extractable)		7440-39-3	134 mg/kg
Beryllium (Extractable)		7440-41-7	1.4 mg/kg
Calcium (Extractable)		7440-70-2	21900 mg/kg
Cobalt (Extractable)		7440-48-4	20 mg/kg
Chromium (Extractable)		7440-47-3	336 mg/kg
Copper (Extractable)		7440-50-8	105 mg/kg
Iron (Extractable)		7439-89-6	40900 mg/kg
Mercury (Extractable)		7439-97-6	3.2 mg/kg
Potassium (Extractable)		7440-09-7	5100 mg/kg
Magnesium (Extractable)		7439-95-4	7000 mg/kg
Manganese (Extractable)		7439-96-5	348 mg/kg
Sodium (Extractable)		7440-23-5	362 mg/kg
Nickel (Extractable)		7440-02-0	277 mg/kg
Lead (Extractable)		7439-92-1	391 mg/kg
Selenium (Extractable)		7782-49-2	0.9 mg/kg
Vanadium (Extractable)		7440-62-2	78 mg/kg
Zinc (Extractable)		7440-66-6	316 mg/kg
Barium (Total)		7440-39-3	305 mg/kg
Calcium (Total)		7440-70-2	23400 mg/kg
Chromium (Total)		7440-47-3	455 mg/kg
Copper (Total)		7440-50-8	107 mg/kg
Iron (Total)		7439-89-6	47500 mg/kg
Mercury (Total)		7439-97-6	2.9 mg/kg
Potassium (Total)		7440-09-7	16300 mg/kg
Magnesium (Total)		7439-95-4	9400 mg/kg
Manganese (Total)		7439-96-5	390 mg/kg
Sodium (Total)		7440-23-5	1700 mg/kg
Nickel (Total)		7440-02-0	291 mg/kg
Lead (Total)		7439-92-1	411 mg/kg
Vanadium (Total)		7440-62-2	139 mg/kg
Zinc (Total)		7440-66-6	345 mg/kg

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Product listings

River Sediment

Product code	Product description	Pack size	Number of analytes
NIST-4350B	River Sediment	85g	8
Analyte		CAS number	Analyte concentration
Americium-241		N/A	0.00015 Bq/g
Cesium-137		10045-97-3	0.029 Bq/g
Cobalt 60		10198-40-0	0.00464 Bq/g
Europium-152		N/A	0.0305 Bq/g
Europium-154		N/A	0.00378 Bq/g
Plutonium-238		N/A	0.000013 Bq/g
Plutonium-239 and -240		N/A	0.000508 Bq/g
Radium-226		N/A	0.0358 Bq/g

Sediment

Product code	Product description	Pack size	Number of analytes
BCR-462	Coastal Sediment (butyltins)		2
Analyte		CAS number	Analyte concentration
Dibutyltin		1002-53-5	68 µg/kg
Tributyltin		688-73-3	54 µg/kg

Harbour Sediment

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	64799 µg/g
Antimony		7440-36-0	3.22 µg/g
Arsenic		7440-38-2	8.70 µg/g
Barium		7440-39-3	573 µg/g
Beryllium		7440-41-7	2.11 µg/g
Bismuth		7440-69-9	6.27 µg/g
Boron		7440-42-8	84.0 µg/g
Cadmium		7440-43-9	5.22 µg/g
Calcium		7440-70-2	77806 µg/g

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Analyte	CAS number	Analyte concentration
Cerium	7440-45-1	73.9 µg/g
Cesium	7440-46-2	3.73 µg/g
Chromium	7440-47-3	123 µg/g
Cobalt	7440-48-4	15.7 µg/g
Copper	7440-50-8	124 µg/g
Gallium	7440-55-3	17.3 µg/g
Iron	7439-89-6	35361 µg/g
Lanthanum	7439-91-0	33 µg/g
Lead	7439-92-1	194 µg/g
Lithium	7439-93-2	35.1 µg/g
Magnesium	7439-95-4	15846 µg/g
Manganese	7439-96-5	584 µg/g
Mercury	7439-97-6	0.620 µg/g
Molybdenum	7439-98-7	1.18 µg/g
Nickel	7440-02-0	43.0 µg/g
Niobium	7660-03-1	8.82 µg/g
Phosphorus	7723-14-0	1832 µg/g
Potassium	7440-09-7	22313 µg/g
Rubidium	7440-17-7	94.0 µg/g
Scandium	7440-20-2	13.5 µg/g
Selenium	7782-49-2	0.825 µg/g
Silver	7440-22-4	5.47 µg/g
Sodium	7440-23-5	10956 µg/g
Strontium	7440-24-6	273 µg/g
Thallium	7440-28-0	0.663 µg/g
Tin	7440-31-5	10.77 µg/g
Titanium	7440-32-6	3015 µg/g
Tungsten	7440-33-7	1.33 µg/g
Uranium	7440-61-1	2.08 µg/g
Vanadium	7440-62-2	89.2 µg/g
Yttrium	7440-65-5	25.1 µg/g
Zinc	7440-66-6	908 µg/g

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Product listings

Lake Sediment

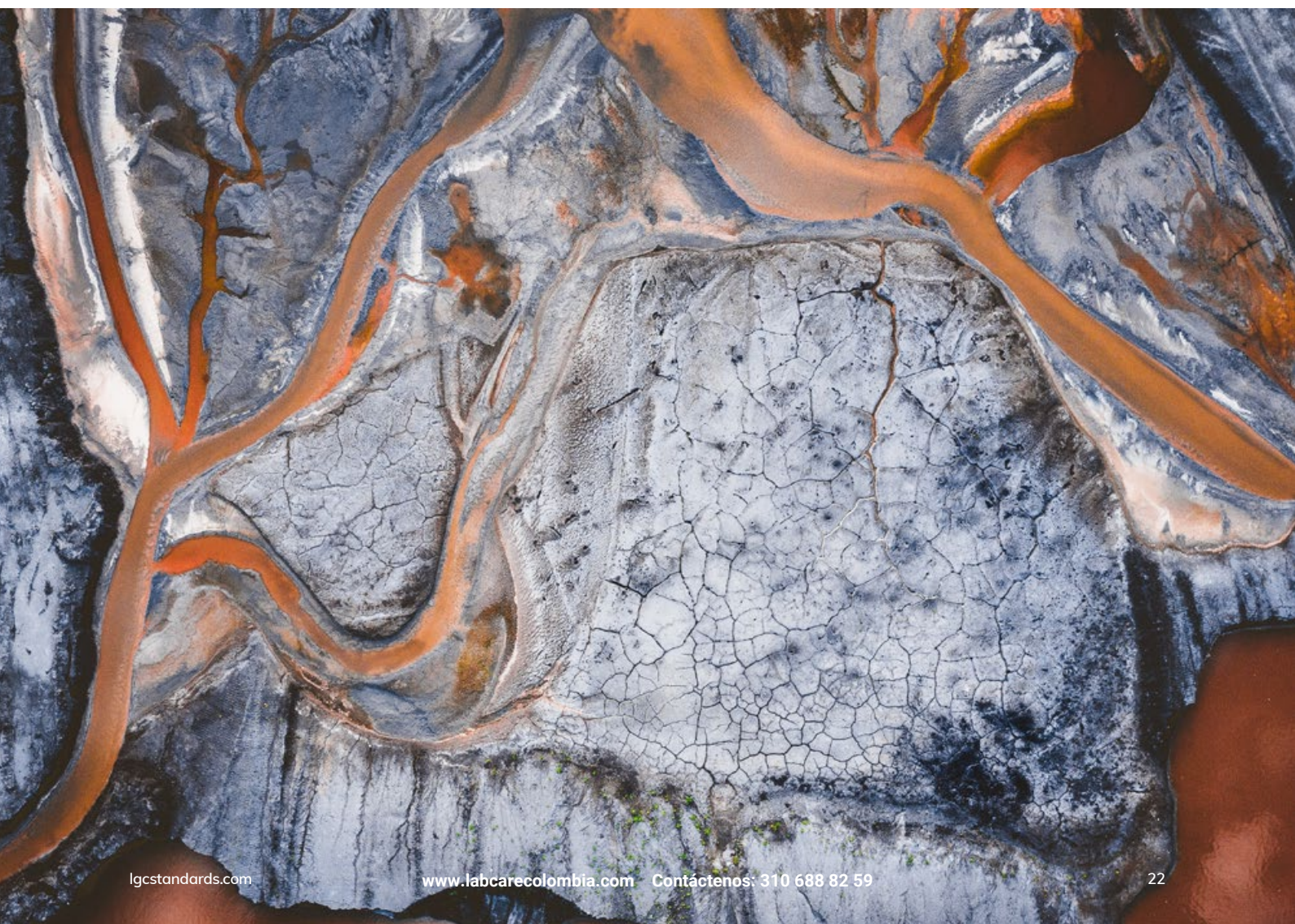
Product code	Product description	Pack size	Number of analytes
NWWQB-5	Lake Ontario Sediment - Trace Elements	100g	21
Analyte		CAS number	Analyte concentration
Aluminium		7429-90-5	1.99 µg/g
Arsenic		7440-38-2	17.8 µg/g
Barium		7440-39-3	179 µg/g
Cadmium		7440-43-9	2.34 µg/g
Calcium		7440-70-2	2.33 µg/g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

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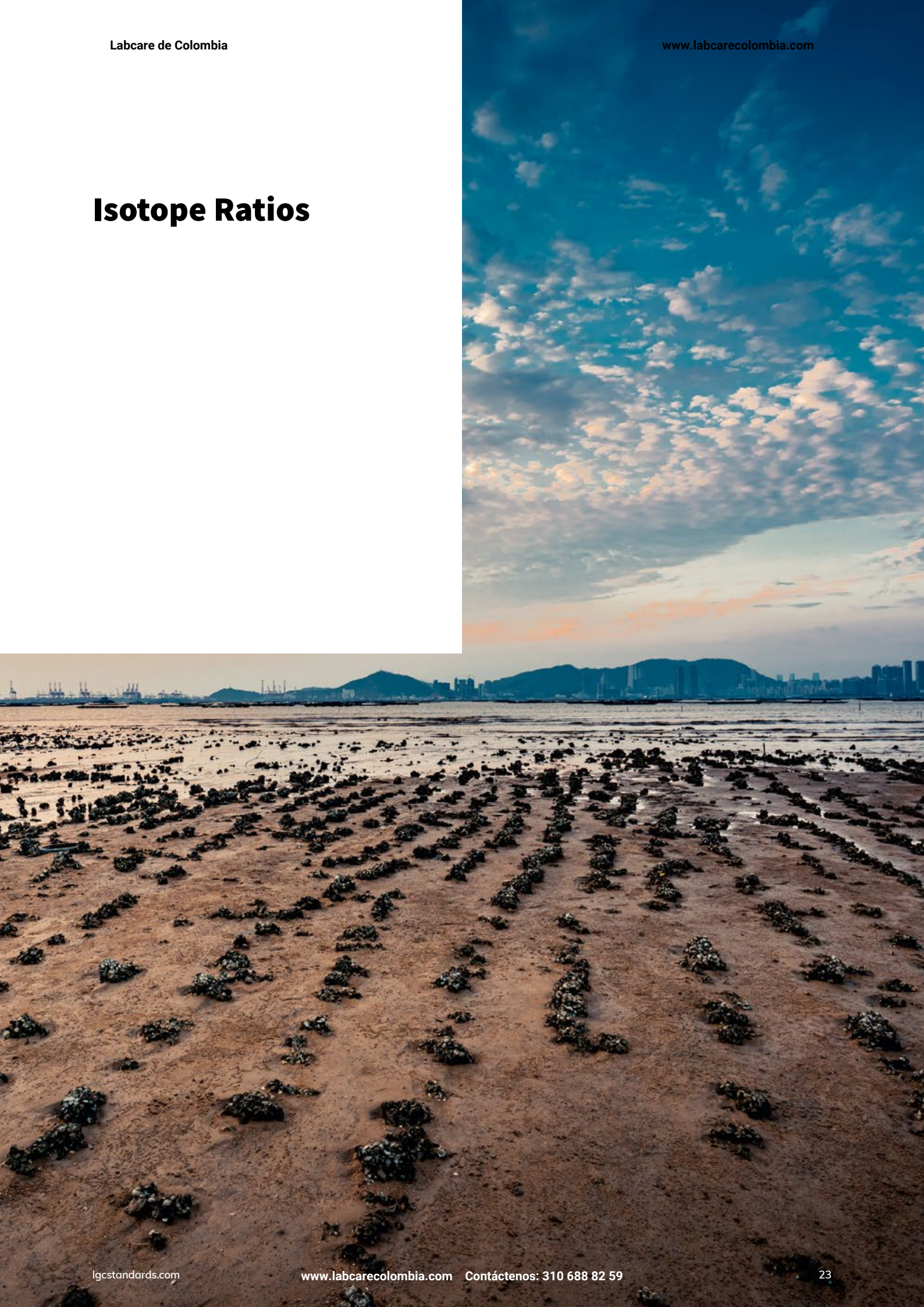
Product listings

River Sediment

Product code	Product description	Pack size	Number of analytes
NWWHR-1	Harbour Sediment - Trace Metals	100g	9
Analyte		CAS number	Analyte concentration
Aluminium		7429-90-5	59250 µg/g
Chromium		7440-47-3	126 µg/g
Copper		7440-50-8	79.9 µg/g
Iron		7439-89-6	30579 µg/g
Lead		7439-92-1	139 µg/g
Manganese		7439-96-5	549 µg/g
Nickel		7440-02-0	39.4 µg/g
Vanadium		7440-62-2	84.1 µg/g
Zinc		7440-66-6	1105 µg/g



Isotope Ratios



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Product listings

Shellfish

Product code	Product description	Pack size	Number of analytes
NIST-4358	Ocean Shellfish Radionuclide Standard	150g	13
Analyte		CAS number	Analyte concentration
Americium-241		N/A	0.101 mBq/g
Cesium-137		10045-97-3	0.254 mBq/g
Lead-210		N/A	6.9 mBq/g
Plutonium-238		N/A	0.009 mBq/g
Plutonium-239 and -240		N/A	0.055 mBq/g
Potassium-40		N/A	160 mBq/g
Radium 228		15262-20-1	1.33 mBq/g
Thorium-228		N/A	1.34 mBq/g
Thorium-230		N/A	0.413 mBq/g
Thorium-232		N/A	0.642 mBq/g
Uranium-234		N/A	1.56 mBq/g
Uranium-235		N/A	0.061 mBq/g
Uranium-238		N/A	1.46 mBq/g

Glucose

Product code	Product description	Pack size	Number of analytes
BCR-657	Sugar (glucose) - Carbon-13 isotope ratio	1g	1
Analyte		CAS number	Analyte concentration
Carbon-13		N/A	-10.76 ‰

Beet Sugar

Product code	Product description	Pack size	Number of analytes
NRC-BEET-1	Beet sugar CRM (Carbon Isotope)	1g	1
Analyte		CAS number	Analyte concentration
Carbon-13		N/A	-26.02 ‰

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Product listings

Fructose

Product code	Product description	Pack size	Number of analytes
NRC-FRUT-1	Fructose sugar CRM (Carbon Isotope)	1g	1
Analyte		CAS number	Analyte concentration
Carbon-13		N/A	-10.98 ‰

Galactose

Product code	Product description	Pack size	Number of analytes
NRC-GALT-1	Galactose sugar CRM (Carbon Isotope)	1g	1
Analyte		CAS number	Analyte concentration
Carbon-13		N/A	-21.41 ‰

Glycine

Product code	Product description	Pack size	Number of analytes
ERM-AE672	Glycine - Absolute carbon isotope ratio	500mg	1
Analyte		CAS number	Analyte concentration
Carbon-13		N/A	-42.12 ‰

Product code	Product description	Pack size	Number of analytes
LGC171-KT	Glycine Solutions - Absolute carbon isotope ratio	3 x 2mL	3
Analyte		CAS number	Analyte concentration
LGC1711		N/A	-42.13 ‰
LGC1712		N/A	-24.62 ‰
LGC1713		N/A	+12.55 ‰

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Product listings

Sphalerite

Product code	Product description	Pack size	Number of analytes
NIST-8556	NBS123 (Sulfur Isotopes in Sphalerite)	1.5mg	1
Analyte		CAS number	Analyte concentration
Sulfur-34		N/A	17.09 ‰

Rain Waters

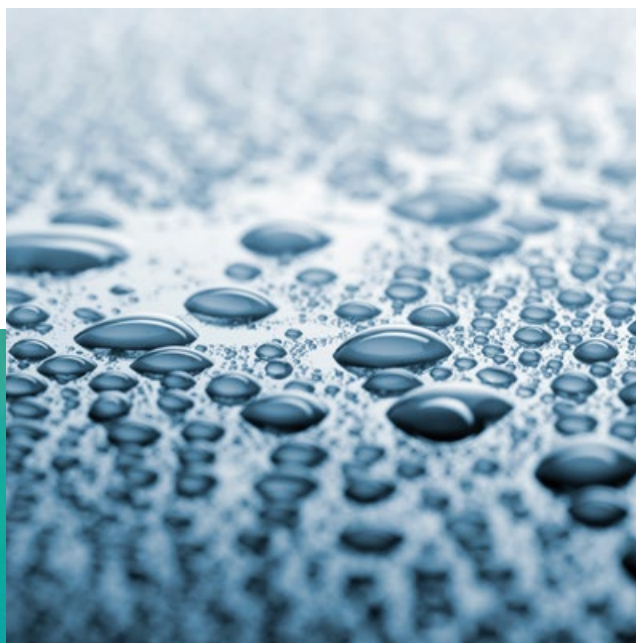
Product code	Product description	Pack size	Number of analytes
NIST-8537	SLAP - Standard Light Antarctic Precipitation (Water)	20mL	2
Analyte		CAS number	Analyte concentration
Deuterium		N/A	-428 ‰
Oxygen-18		N/A	-55.5 ‰

Natural Waters

Product code	Product description	Pack size	Number of analytes
NIST-4926E	Hydrogen-3 Water	20mL	1
Analyte		CAS number	Analyte concentration
Hydrogen-3		N/A	5.038 kBq/g



Drinking Water



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Product listings

Drinking Water

Product code	Product description	Pack size	Number of analytes
ERM-CA016	Soft drinking water - Anions	250mL	4
Analyte		CAS number	Analyte concentration
Chloride		16887-00-6	250 mg/L
Fluoride		16984-48-8	1.5 mg/L
Nitrate (as NO ₃)		N/A	48 mg/L
Sulfate (as SO ₄)		14808-79-8	254 mg/L

Product code	Product description	Pack size	Number of analytes
LGC6026	Hard Drinking Water UK - Metals	250mL	26
Analyte		CAS number	Analyte concentration
Aluminium		7429-90-5	199.9 µg/L
Antimony		7440-36-0	4.99 µg/L
Arsenic		7440-38-2	10 µg/L
Barium		7440-39-3	116.1 µg/L
Beryllium		7440-41-7	5.08 µg/L
Boron		7440-42-8	983 µg/L
Cadmium		7440-43-9	4.98 µg/L
Calcium		7440-70-2	77.1 mg/L
Chromium		7440-47-3	50 µg/L
Cobalt		7440-48-4	4.88 µg/L
Copper		7440-50-8	2017 µg/L
Iron		7439-89-6	198.4 µg/L
Lead		7439-92-1	9.98 µg/L
Lithium		7439-93-2	11.24 µg/L
Magnesium		7439-95-4	18.5 mg/L
Manganese		7439-96-5	48.4 µg/L
Molybdenum		7439-98-7	4.77 µg/L
Nickel		7440-02-0	19 µg/L
Potassium		7440-09-7	5.3 mg/L
Selenium		7782-49-2	10.19 µg/L
Sodium		7440-23-5	24.6 mg/L
Strontium		7440-24-6	491 µg/L
Thallium		7440-28-0	5.11 µg/L
Uranium		7440-61-1	4.95 µg/L
Vanadium		7440-62-2	4.96 µg/L
Zinc		7440-66-6	621 µg/L

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Product code	Product description	Pack size	Number of analytes
LGC6027	Soft Drinking Water UK - Metals	250mL	26
Analyte		CAS number	Analyte concentration
Aluminium		7429-90-5	196.1 µg/L
Antimony		7440-36-0	5.21 µg/L
Arsenic		7440-38-2	10 µg/L
Barium		7440-39-3	115.7 µg/L
Beryllium		7440-41-7	5.09 µg/L
Boron		7440-42-8	1006 µg/L
Cadmium		7440-43-9	5.09 µg/L
Calcium		7440-70-2	8.53 mg/L
Chromium		7440-47-3	49.9 µg/L
Cobalt		7440-48-4	4.87 µg/L
Copper		7440-50-8	1995 µg/L
Iron		7439-89-6	200 µg/L
Lead		7439-92-1	10.09 µg/L
Lithium		7439-93-2	10.41 µg/L
Magnesium		7439-95-4	1.026 mg/L
Manganese		7439-96-5	49.9 µg/L
Molybdenum		7439-98-7	4.62 µg/L
Nickel		7440-02-0	20.01 µg/L
Potassium		7440-09-7	0.367 mg/L
Selenium		7782-49-2	10.21 µg/L
Sodium		7440-23-5	4.36 mg/L
Strontium		7440-24-6	496 µg/L
Thallium		7440-28-0	4.88 µg/L
Uranium		7440-61-1	4.95 µg/L
Vanadium		7440-62-2	4.93 µg/L
Zinc		7440-66-6	613 µg/L

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Product listings

River Waters

Product code	Product description	Pack size	Number of analytes
LGC6020	River water - Anions	250mL	4
Analyte		CAS number	Analyte concentration
Chloride		16887-00-6	33.1 mg/L
Fluoride		16984-48-8	0.273 mg/L
Nitrate (as NO ₃)		N/A	28.2 mg/L
Sulfate (as SO ₄)		14808-79-8	82.8 mg/L

Product code	Product description	Pack size	Number of analytes
LGC6025	River water - Anions	250mL	4
Analyte		CAS number	Analyte concentration
Chloride		16887-00-6	31.3 mg/L
Fluoride		16984-48-8	1.248 mg/L
Nitrate (as NO ₃)		N/A	38 mg/L
Sulfate (as SO ₄)		14808-79-8	66.2 mg/L

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	101 µg/kg
Calcium		7440-70-2	220 mg/L
Copper		7440-50-8	190 µg/kg
Lead		7439-92-1	196 µg/kg
Magnesium		7439-95-4	570 mg/L
Manganese		7439-96-5	976 µg/kg
Nickel		7440-02-0	186 µg/kg
Potassium		7440-09-7	180 mg/L
Sodium		7440-23-5	4700 mg/L
Zinc		7440-66-6	55 µg/L

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Product listings

Product code	Product description	Pack size	Number of analytes
LGC6019	River water (River Thames) - Trace elements	250mL	12
Analyte		CAS number	Analyte concentration
Aluminium		7429-90-5	73 µg/L
Cadmium		7440-43-9	0.11 µg/L
Calcium		7440-70-2	109 mg/L
Chromium		7440-47-3	0.78 µg/L
Copper		7440-50-8	15.4 µg/L
Iron		7439-89-6	287 µg/L
Lead		7439-92-1	5.2 µg/L
Magnesium		7439-95-4	4.62 mg/L
Nickel		7440-02-0	4 µg/L
Potassium		7440-09-7	4.78 mg/L
Sodium		7440-23-5	24.7 mg/L
Zinc		7440-66-6	59.7 µg/L

Natural Waters

Product code	Product description	Pack size	Number of analytes
NIST-1641E	Natural water - Mercury	10x10mL	1
Analyte		CAS number	Analyte concentration
Mercury		7439-97-6	0.1016 ppm

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	132.5 ppb
Antimony		7440-36-0	54.9 ppb
Arsenic		7440-38-2	56.85 ppb
Barium		7440-39-3	513.1 ppb
Beryllium		7440-41-7	13.53 ppb
Bismuth		7440-69-9	12.5 ppb
Boron		7440-42-8	150.8 ppb

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Product listings

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Analyte	CAS number	Analyte concentration
Cadmium	7440-43-9	5.83 ppb
Calcium	7440-70-2	29140 ppb
Chromium	7440-47-3	18.32 ppb
Cobalt	7440-48-4	25.05 ppb
Copper	7440-50-8	21.44 ppb
Iron	7439-89-6	92.51 ppb
Lead	7439-92-1	18.303 ppb
Lithium	7439-93-2	16.42 ppb
Magnesium	7439-95-4	7380 ppb
Manganese	7439-96-5	36.77 ppb
Molybdenum	7439-98-7	114.2 ppb
Nickel	7440-02-0	59.2 ppb
Potassium	7440-09-7	1913.3 ppb
Rubidium	7440-17-7	12.51 ppb
Selenium	7782-49-2	11.583 ppb
Silver	7440-22-4	0.9606 ppb
Sodium	7440-23-5	18640 ppb
Strontium	7440-24-6	311 ppb
Tellurium	13494-80-9	0.9672 ppb
Thallium	7440-28-0	6.823 ppb
Vanadium	7440-62-2	35.71 ppb
Zinc	7440-66-6	73.7 ppb

Product code	Product description	Pack size	Number of analytes
NWTM-25.6	Trace Elements in Water	250mL	22
Analyte	CAS number	Analyte concentration	
Aluminium	7429-90-5	29.5 µg/L	
Antimony	7440-36-0	22.7 µg/L	
Arsenic	7440-38-2	27.2 µg/L	
Beryllium	7440-41-7	25.9 µg/L	
Bismuth	7440-69-9	19.8 µg/L	
Boron	7440-42-8	39.2 µg/L	
Cadmium	7440-43-9	23.4 µg/L	
Chromium	7440-47-3	23.8 µg/L	
Cobalt	7440-48-4	27.4 µg/L	

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Analyte	CAS number	Analyte concentration
Copper	7440-50-8	25.9 µg/L
Iron	7439-89-6	31.1 µg/L
Lead	7439-92-1	26.4 µg/L
Lithium	7439-93-2	23.9 µg/L
Manganese	7439-96-5	25.3 µg/L
Molybdenum	7439-98-7	27.2 µg/L
Nickel	7440-02-0	16 µg/L
Rubidium	7440-17-7	18.9 µg/L
Selenium	7782-49-2	29.3 µg/L
Strontium	7440-24-6	76 µg/L
Thallium	7440-28-0	30.8 µg/L
Titanium	7440-32-6	25.2 µg/L
Uranium	7440-61-1	26.8 µg/L

Product code	Product description	Pack size	Number of analytes
NWTMDA-54.6	Trace Elements in Water	250mL	29
Analyte	CAS number	Analyte concentration	
Aluminium	7429-90-5	393 µg/L	
Antimony	7440-36-0	27.4 µg/L	
Arsenic	7440-38-2	45.1 µg/L	
Barium	7440-39-3	325 µg/L	
Beryllium	7440-41-7	17.2 µg/L	
Bismuth	7440-69-9	15.5 µg/L	
Boron	7440-42-8	59.2 µg/L	
Cadmium	7440-43-9	158 µg/L	
Chromium	7440-47-3	421 µg/L	
Cobalt	7440-48-4	305 µg/L	
Copper	7440-50-8	394 µg/L	
Gallium	7440-55-3	12.5 µg/L	
Iron	7439-89-6	365 µg/L	
Lead	7439-92-1	489 µg/L	
Lithium	7439-93-2	21.4 µg/L	
Manganese	7439-96-5	275 µg/L	
Molybdenum	7439-98-7	296 µg/L	
Nickel	7440-02-0	322 µg/L	
Rubidium	7440-17-7	14.2 µg/L	

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Analyte	CAS number	Analyte concentration
Selenium	7782-49-2	34.5 µg/L
Silver	7440-22-4	12.76 µg/L
Strontium	7440-24-6	576 µg/L
Thallium	7440-28-0	28.2 µg/L
Tin	7440-31-5	45.6 µg/L
Titanium	7440-32-6	32.9 µg/L
Tungsten	7440-33-7	8.58 µg/L
Uranium	7440-61-1	57.1 µg/L
Vanadium	7440-62-2	341 µg/L
Zinc	7440-66-6	542 µg/L

Rain Waters

Product code	Product description	Pack size	Number of analytes
NWBGR-13	Rain Water - Major ions and nutrients	500mL	14
Analyte	CAS number	Analyte concentration	
Alkalinity	N/A	6.38 mg/L	
Aluminium	7429-90-5	0.009 mg/L	
Calcium	7440-70-2	1.57 mg/L	
Chloride	16887-00-6	0.291 mg/L	
Conductivity	N/A	24.7 µS/cm	
Dissolved Inorganic Carbon	N/A	1.82 mg/L	
Magnesium	7439-95-4	0.256 mg/L	
Nitrite and Nitrate	N/A	0.22 mg/L	
Nitrogen	7727-37-9	1.51 mg/L	
pH	N/A	6.93	
Potassium	7440-09-7	0.23 mg/L	
Silica	7631-86-9	0.095 mg/L	
Sodium	7440-23-5	0.951 mg/L	
Sulfate	14808-79-8	2.64 mg/L	

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Product listings

Product code	Product description	Pack size	Number of analytes
NWDWNSVW-15	Rain Water - Major ions and nutrients	500mL	15
Analyte		CAS number	Analyte concentration
Alkalinity		N/A	0.71 mg/L
Ammonia		7664-41-7	0.187 mg/L
Calcium		7440-70-2	0.316 mg/L
Chloride		16887-00-6	0.215 mg/L
Conductivity		N/A	6.1 µS/cm
Dissolved Organic Carbon		N/A	0.49 mg/L
Magnesium		7439-95-4	0.09 mg/L
Nitrite and Nitrate		N/A	0.161 mg/L
pH		N/A	6.08
Potassium		7440-09-7	0.063 mg/L
Sodium		7440-23-5	0.154 mg/L
Sulfate		14808-79-8	0.591 mg/L
Total nitrogen		N/A	0.393 mg/L

Sea Waters

Product code	Product description	Pack size	Number of analytes
NIST-8535A	VSMOW2 Vienna Standard Mean Ocean Water 2 (Hydrogen and Oxygen Isotopes in Water)	20mL	2
Analyte		CAS number	Analyte concentration
d18OVSMOW		N/A	0
d2HVSMOW		N/A	0

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Product code	Product description	Pack size	Number of analytes
NRC-NASS-7	Seawater certified reference material for trace metals and other constituents.	ea	11
Analyte		CAS number	Analyte concentration
Boron		7440-42-8	3750 µg/L
Cadmium		7440-43-9	0.0161 µg/L
Cobalt		7440-48-4	0.0146 µg/L
Copper		7440-50-8	0.199 µg/L
Iron		7439-89-6	0.351 µg/L
Lead		7439-92-1	0.0026 µg/L
Manganese		7439-96-5	0.75 µg/L
Molybdenum		7439-98-7	9.29 µg/L
Nickel		7440-02-0	0.248 µg/L
Uranium		7440-61-1	2.87 µg/L
Zinc		7440-66-6	0.42 µg/L

Lake Waters

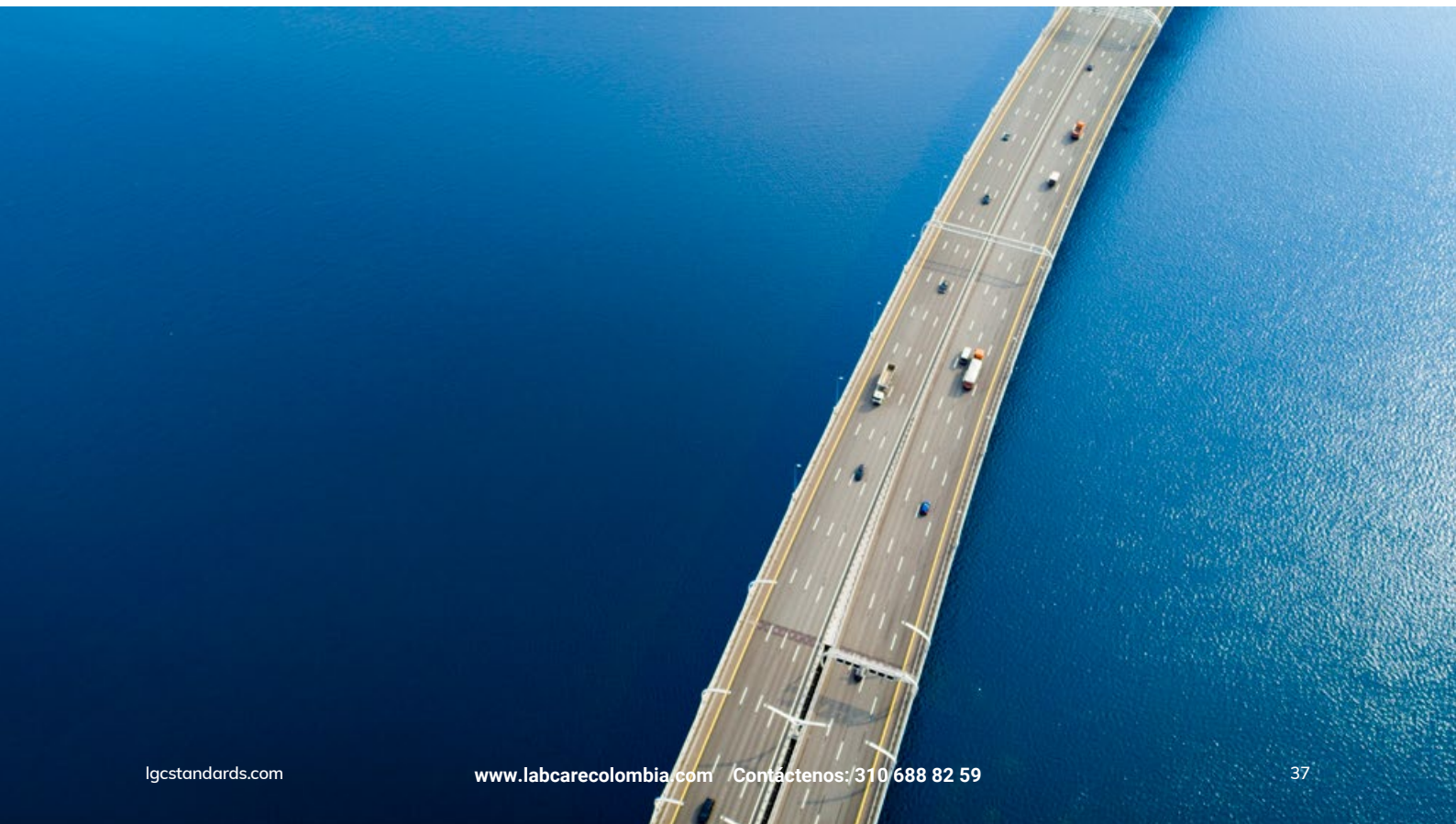
Product code	Product description	Pack size	Number of analytes
NWCONTARIO-12	Lake Ontario Water	500mL	16
Analyte		CAS number	Analyte concentration
Alkalinity		N/A	92.9 mg/L
Boron		7440-42-8	0.025 mg/L
Calcium		7440-70-2	34.4 mg/L
Chloride		16887-00-6	22.8 mg/L
Conductivity		N/A	308 µS/cm
Dissolved Inorganic Carbon		N/A	22.1 mg/L
Dissolved Organic Carbon		N/A	1.86 mg/L
Fluoride		16984-48-8	0.112 mg/L
Magnesium		7439-95-4	8.78 mg/L
pH		N/A	8.07
Potassium		7440-09-7	1.6 mg/L
Silica		7631-86-9	0.308 mg/L
Sodium		7440-23-5	13.4 mg/L
Sulfate		14808-79-8	25 mg/L
Total hardness		N/A	122 mg/L
Total nitrogen		N/A	0.507 mg/L

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Product listings

Tap Water

Product code	Product description	Pack size	Number of analytes
NWBURTAP-14	Burlington Tap in Water	500mL	16
Analyte		CAS number	Analyte concentration
Alkalinity		N/A	88.4 mg/L
Boron		7440-42-8	0.025 mg/L
Calcium		7440-70-2	34.7 mg/L
Chloride		16887-00-6	26.6 mg/L
Conductivity		N/A	318 µS/cm
Dissolved Organic Carbon		N/A	1.59 mg/L
Fluoride		16984-48-8	0.619 mg/L
Magnesium		7439-95-4	8.75 mg/L
Nitrite and Nitrate		N/A	0.38 mg/L
pH		N/A	8.08
Potassium		7440-09-7	1.62 mg/L
Silicon		7440-21-3	0.519 mg/L
Sodium		7440-23-5	14.7 mg/L
Sulfate (SO ₄)		N/A	27.1 mg/L
Total hardness		N/A	122 mg/L
Total nitrogen		N/A	0.492 mg/L



Ecotoxicology



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Product listings

Heavy Metals

Product code	Product description	Pack size	Number of analytes
ERM-CE195	Lead and Cadmium in bovine blood,	amp.	2
Analyte		CAS number	Analyte concentration
Lead		7439-92-1	416 µg/L
Cadmium		7440-43-9	5.06 µg/L

PCBs

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	146 µg/kg
2,4'-DDD		53-19-0	19.5 µg/kg
2,4'-DDE		3424-82-6	14.2 µg/kg
2,4'-DDT		789-02-6	91 µg/kg
4,4'-DDD		72-54-8	120 µg/kg
4,4'-DDE		72-55-9	497 µg/kg
4,4'-DDT		50-29-3	233 µg/kg
BDE 99		60348-60-9	18.9 µg/kg
BDE 100		189084-64-8	10.3 µg/kg
BDE 153		68631-49-2	8.34 µg/kg
BDE 154		207122-15-4	13.3 µg/kg
Cis-Chlordane (Alpha Isomer)		5103-71-9	48.1 µg/kg
cis-Nonachlor		5103-73-1	45.8 µg/kg
Dieldrin		60-57-1	50.1 µg/kg
gamma-HCH		58-89-9	3.18 µg/kg
Heptachlor epoxide		N/A	10.7 µg/kg
Hexachlorobenzene		118-74-1	30.6 µg/kg
Hexachlorocyclohexane		N/A	16.9 µg/kg
Mirex		2385-85-5	31 µg/kg
oxy-Chlordane		27304-13-8	21.2 µg/kg
PBDE 47 (2,2',4,4'-Tetrabromodiphenyl ether)		5436-43-1	39.6 µg/kg
PCB No. 18		37680-65-2	4.35 µg/kg
PCB No. 28		7012-37-5	13.1 µg/kg
PCB No. 31		16606-02-3	3.56 µg/kg
PCB No. 44		41464-39-5	12.1 µg/kg
PCB No. 49		41464-40-8	18.3 µg/kg

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Analyte	CAS number	Analyte concentration
PCB No. 52	35693-99-3	40.7 µg/kg
PCB No. 66	32598-10-0	22.4 µg/kg
PCB No. 70	32598-11-1	11 µg/kg
PCB No. 87	38380-02-8	20.6 µg/kg
PCB No. 92	52663-61-3	23.4 µg/kg
PCB No. 95	38379-99-6	33.9 µg/kg
PCB 99 (2,2',4,4',5-Pentachlorobiphenyl)	38380-01-7	58.5 µg/kg
PCB No. 101	37680-73-2	78 µg/kg
PCB No. 105	32598-14-4	28.6 µg/kg
PCB No. 107	70424-68-9	5.04 µg/kg
PCB No. 110	38380-03-9	33.8 µg/kg
PCB No. 118	31508-00-6	76.5 µg/kg
PCB No. 128	38380-07-3	23 µg/kg
PCB No. 146	51908-16-8	45.1 µg/kg
PCB No. 149	38380-04-0	89 µg/kg
PCB No. 151	52663-63-5	28.6 µg/kg
PCB No. 153	35065-27-1	228 µg/kg
PCB No. 154	60145-22-4	3.97 µg/kg
PCB No. 156	38380-08-4	11.4 µg/kg
PCB No. 158	74472-42-7	9.1 µg/kg
PCB No. 170	35065-30-6	42.6 µg/kg
PCB No. 174	38411-25-5	25.2 µg/kg
PCB No. 180	35065-29-3	138 µg/kg
PCB No. 183	52663-69-1	38 µg/kg
PCB No. 187	52663-68-0	121 µg/kg
PCB No. 194	35694-08-7	53.5 µg/kg
PCB No. 195	52663-78-2	14.3 µg/kg
PCB No. 201	40186-71-8	16.8 µg/kg
PCB No. 206	40186-72-9	44.9 µg/kg
PCB No. 209	2051-24-3	17.2 µg/kg
Trans-Chlordane (Gamma Isomer)	5103-74-2	11.8 µg/kg
trans-Nonachlor	39765-80-5	198 µg/kg

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Product listings

Pesticides

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	30 µg/kg
4,4'-DDD		72-54-8	0.4 mg/kg
4,4'-DDE		72-55-9	0.61 mg/kg
4,4'-DDT		50-29-3	0.179 mg/kg
alpha-HCH		319-84-6	42 µg/kg
beta-HCH		319-85-7	16 µg/kg
Cis-Chlordane (Alpha Isomer)		5103-71-9	24.4 µg/kg
Dieldrin		60-57-1	59 µg/kg
gamma-HCH		58-89-9	23 µg/kg
Hexachlorobenzene		118-74-1	55.7 µg/kg
oxy-Chlordane		27304-13-8	11 µg/kg
Trans-Chlordane (Gamma Isomer)		5103-74-2	6.9 µg/kg
trans-Nonachlor		39765-80-5	39 µg/kg

Trace Elements

Product code	Product description	Pack size	Number of analytes
NIST-1598A	Inorganic Constituents in Animal Serum	2x5mL	12
Analyte		CAS number	Analyte concentration
Antimony		7440-36-0	1 µg/L
Cadmium		7440-43-9	0.048 µg/L
Cesium		7440-46-2	0.64 µg/L
Cobalt		7440-48-4	1.24 µg/L
Copper		7440-50-8	1580 µg/L
Iron		7439-89-6	1680 µg/L
Manganese		7439-96-5	1.78 µg/L
Nickel		7440-02-0	0.94 µg/L
Rubidium		7440-17-7	274 µg/L
Selenium		7782-49-2	134.4 µg/L
Vanadium		7440-62-2	1.88 µg/L
Zinc		7440-66-6	880 µg/L

Gas Standards



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Product listings

Air

Product code	Product description	Analyte	Pack size	CAS number	Analyte concentration
NIST-2613A	CO/Air 20 umol/mol	Carbon Monoxide	Cylinder	630-08-0	19.72 µmol/mol
NIST-2614A	Carbon Monoxide in Air (Nominal 45 umol/mol)	Carbon Monoxide	cylinder	630-08-0	44.01 µmol/mol
NIST-1658A	Methane in Air, 1 umol/mol	Methane	cylinder	74-82-8	1.079 µmol/mol
NIST-2750	CH ₄ /Air 50 umol/mol	Methane	cylinder	74-82-8	48.48 µmol/mol
NIST-1718	Nitrous Oxide in Air	Nitrous Oxide	cylinder	10024-97-2	0.9948 µmol/mol
NIST-1667B	Propane in Air	N-Propane	cylinder	74-98-6	49.61 µmol/mol
NIST-1668B	Propane in air	N-Propane	cylinder	74-98-6	98.68 µmol/mol
NIST-1669B	Propane in Air (Nominal Amount-of-Substance Fraction 500 µmol/mol)	N-Propane	ea	74-98-6	496.7 µmol/mol
NIST-2765	Propane in air 100 nmol/mol	N-Propane	cylinder	74-98-6	99 nmol/mol

Nitrogen

Product code	Product description	Analyte	Pack size	CAS number	Analyte concentration
NIST-3036	Carbon Dioxide in Nitrogen (Nominal Amount-of-Substance Fraction 500 µmol/mol)	Arsenic Acid	2x10 mL	7778-39-4	701 µg/kg
NIST-3037	Carbon Dioxide in Nitrogen (Nominal Amount-of-Substance Fraction 500 µmol/mol)	Arsenous Acid	2x10 mL	13464-58-9	171 µg/kg
NIST-1674B	Carbon Dioxide in Nitrogen (Nominal Amount-of-Substance Fraction 7 % mol/mol)	Carbon Dioxide	6L	124-38-9	6.944 % mol/mol
NIST-2617	Carbon Dioxide in Nitrogen (Nominal Amount-of-Substance Fraction 500 µmol/mol)	Carbon Dioxide	6L	124-38-9	496.3 µmol/mol
NIST-2619A	Carbon Dioxide in Nitrogen .5% mol/mol	Carbon Dioxide	cylinder	124-38-9	0.4969 % mol/mol
NIST-2620A	Carbon Dioxide in Nitrogen (Nominal Amount-of-Substance Fraction 1 % mol/mol)	Carbon Dioxide	6L	124-38-9	0.9955 % mol/mol
NIST-2621A	Carbon Dioxide in Nitrogen 1.5% mol/mol	Carbon Dioxide	cylinder	124-38-9	1.4594 % mol/mol
NIST-2622A	Carbon Dioxide in Nitrogen 2.0 2.0% mol/mol	Carbon Dioxide	cylinder	124-38-9	1.9868 % mol/mol
NIST-1678C	Carbon Monoxide in Nitrogen (Nominal 50 umol/mol)	Carbon Monoxide	cylinder	630-08-0	49.136 ppm
NIST-1679C	Carbon Monoxide in Nitrogen (Nominal 100 umol/mol)	Carbon Monoxide	cylinder	630-08-0	99.28 µmol/mol
NIST-1680B	Carbon Monoxide in Nitrogen (Nominal 500 umol/mol)	Carbon Monoxide	cylinder	630-08-0	494.8 µmol/mol
NIST-2635A	Carbon Monoxide in Nitrogen (Nominal 25 umol/mol)	Carbon Monoxide	cylinder	630-08-0	24.512 µmol/mol
NIST-2636A	Carbon Monoxide in Nitrogen (Nominal 250 umol/mol)	Carbon Monoxide	cylinder	630-08-0	248.87 µmol/mol
NIST-2641A	CO/N ₂ 4 % mol/mol	Carbon Monoxide	cylinder	630-08-0	4.009 % µmol/mol

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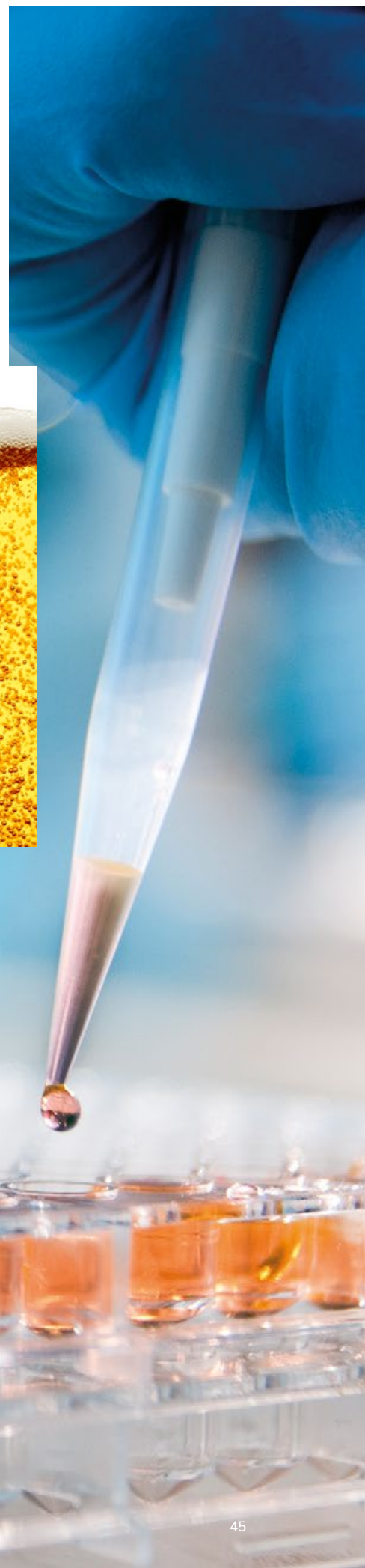
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Product listings

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Product code	Product description	Analyte	Pack size	CAS number	Analyte concentration
NIST-2740A	CO/N ₂ , 10 % mol/mol	Carbon Monoxide	cylinder	630-08-0	9.846 % mol/mol
NIST-2741A	CO/N ₂ , 13 % MOL/MOL	Carbon Monoxide	cylinder	630-08-0	12.969 % mol/mol
NIST-2730	Carbon Dioxide in Nitrogen (Nominal Amount-of-Substance Fraction 500 µmol/mol)	Hydrogen sulfide	6L	N/A	5.05 µmol/mol
NIST-2731	Hydrogen Sulfide in Nitrogen (Nominal Amount-of-Substance Fraction 20 µmol/mol)	Hydrogen sulfide	cylinder	N/A	20.43 µmol/mol
NIST-1685B	NO/N ₂ 250 UMOL/MOL	Nitric Oxide	cylinder	10102-43-9	251.5 µmol/mol
NIST-1686B	NO/N ₂ 500 umol/mol	Nitric Oxide	cylinder	10102-43-9	496.98 µmol/mol
NIST-1687B	Nitric Oxide in Nitrogen (Nominal Amount-of-Substance Fraction 1000 µmol/mol)	Nitric Oxide	6L	10102-43-9	996.7 µmol/mol
NIST-2627A	NO/N ₂ 5 µmol/mol	Nitric Oxide	cylinder	10102-43-9	5 µmol/mol
NIST-2630	NO/N ₂ 1500 µmol/mol	Nitric Oxide	cylinder	10102-43-9	1500 µmol/mol
NIST-8552	NSVEC (Nitrogen Isotopes in Gaseous Nitrogen)	Nitrogen-15	ea	N/A	-2.78 ‰
NIST-2659A	O ₂ /N ₂ , 21 % mol/mol	Oxygen	cylinder	7782-44-7	20.863 % µmol/mol
NIST-1662A	SO ₂ /N ₂ 1000 umol/mol	Sulfur dioxide	cylinder	7446-09-5	977 ppm
NIST-1663A	SO ₂ /N ₂ 1500 umol/mol	Sulfur dioxide	cylinder	7446-09-5	1474.4 ppm
NIST-1693A	SO ₂ /N ₂ 50 umol/mol	Sulfur dioxide	cylinder	7446-09-5	5 µmol/mol
NIST-1696A	SO ₂ /N ₂ , 3500 µmol/mol	Sulfur dioxide	cylinder	7446-09-5	3471 µmol/mol

Alcohol Solutions



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Product listings

Water

Product code	Product description	Pack size	Number of analytes
LGC5404	Ethanol/water - 5% Ethanol	25mL	2
Analyte		CAS number	Analyte concentration
Alcoholic strength		N/A	5%
Density		N/A	990 kg/m3

Product code	Product description	Pack size	Number of analytes
ERM-AC405	Ethanol/water - 15% Ethanol	25mL	2
Analyte		CAS number	Analyte concentration
Alcoholic strength		N/A	15%
Density		N/A	977.92 kg/m3

Product code	Product description	Pack size	Number of analytes
LGC5412	Ethanol/Water 40 %	50mL	2
Analyte		CAS number	Analyte concentration
Ethanol		64-17-5	40%
Water		7732-18-5	60%

Product code	Product description	Pack size	Number of analytes
ERM-AC406	Ethanol/water - 40% Ethanol	25mL	2
Analyte		CAS number	Analyte concentration
Alcoholic strength		N/A	40%
Density		N/A	946.87 kg/m3

Product code	Product description	Pack size	Number of analytes
LGC5407	Ethanol/Water 70 %	50mL	2
Analyte		CAS number	Analyte concentration
Ethanol		64-17-5	70%
Water		7732-18-5	30%

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Product listings

Wine

Product code	Product description	Analyte	Pack size	CAS number	Analyte concentration
ERM-BA001	Wine - Alcohol (5%)	Alcoholic strength	250 mL	N/A	5.37 % ABV
ERM-BA002	Wine - Alcohol (10%)	Alcoholic strength	250 mL	N/A	10.12 % ABV
ERM-BA003	Wine - Alcohol (15%)	Alcoholic strength	250 mL	N/A	14.47 % ABV

Lager

Product code	Product description	Pack size	Number of analytes
ERM-BA005	Lager - 5% ABV	330 mL	1
Analyte		CAS number	Analyte concentration
Alcoholic strength		N/A	5.07 % ABV

Brandy

Product code	Product description	Pack size	Number of analytes
LGC5000	Brandy - 40% ABV	50 mL	1
Analyte		CAS number	Analyte concentration
Alcoholic strength		N/A	40.075% ABV

Lager Shandy

Product code	Product description	Pack size	Number of analytes
LGC5004	Lager shandy - Alcohol	330 mL	1
Analyte		CAS number	Analyte concentration
Alcohol		N/A	1.02 mL/100mL

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Product listings

Drink products

Orange Juice

Product code	Product description	Pack size	Number of analytes
ERM-BD011	Orange juice	3 mL	2
Analyte		CAS number	Analyte concentration
Brix		N/A	1.26 °Bx
Refractive index		N/A	1.3348

Product code	Product description	Pack size	Number of analytes
ERM-BD013	Orange juice	3 mL	2
Analyte		CAS number	Analyte concentration
Brix		N/A	22.07 °Bx
Refractive index		N/A	1.3673

Product code	Product description	Pack size	Number of analytes
ERM-BD014	Orange juice	3 mL	2
Analyte		CAS number	Analyte concentration
Brix		N/A	55.55 °Bx
Refractive index		N/A	1.432

Fruit Squash

Product code	Product description	Pack size	Number of analytes
LGC7113	Fruit Squash - Total SO ₂	50 mL	1
Analyte		CAS number	Analyte concentration
Total Sulfur dioxide		7446-09-5	255 mg/L

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Product listings

Soft Drinks

Product code	Product description	Pack size	Number of analytes
LGC7140	Soft drink - Colours	60 mL	3
Analyte		CAS number	Analyte concentration
Ponceau 4RC (E124)		2611-82-7	18.7 mg/L
Sunset Yellow (E110)		2783-94-0	19.6 mg/L
Tartrazine (E102)		1934-21-0	29.9 mg/L



Allergens



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Product listings

Milk, Egg, Almond, Hazlenut, Walnut

Product code	Product description	Pack size	Number of analytes
LGC746-KT	Allergen Kit - Milk, Egg, Almond, Hazelnut and Walnut	Kit	5
Kit Components		See Below	
LGC7421			
LGC7422			
LGC7424			
LGC7425			
LGC7426			

Milk Powder

Product code	Product description	Pack size	Number of analytes
LGC7421	Skimmed Milk Powder	1g	2
Analyte		CAS number	Analyte concentration
Nitrogen		7727-37-9	5.4 g/100g
Water		7732-18-5	4.22 g/100g

Egg White

Product code	Product description	Pack size	Number of analytes
LGC7422	Egg White Powder	1g	2
Analyte		CAS number	Analyte concentration
Nitrogen		7727-37-9	13.49 g/100g
Water		7732-18-5	6.01 g/100g

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Product listings

Almond Powder

Product code	Product description	Pack size	Number of analytes
LGC7424	Almond Powder	1g	2
Analyte		CAS number	Analyte concentration
Nitrogen		7727-37-9	4.19 g/100g
Water		7732-18-5	4.22 g/100g

Hazlenut Powder

Product code	Product description	Pack size	Number of analytes
LGC7425	Hazelnut Powder	1g	2
Analyte		CAS number	Analyte concentration
Nitrogen		7727-37-9	4.99 g/100g
Water		7732-18-5	8.6 g/100g

Walnut Powder

Product code	Product description	Pack size	Number of analytes
LGC7426	Walnut Powder	1g	2
Analyte		CAS number	Analyte concentration
Nitrogen		7727-37-9	6.15 g/100g
Water		7732-18-5	6.11 g/100g

Chocolate Dessert

Product code	Product description	Pack size	Number of analytes
LGCQC101-KT	Peanut allergen in chocolate dessert positive & negative control	2x5g	1
Analyte		CAS number	Analyte concentration
Peanut Protein			10 mg/kg
			<1 mg/kg

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Product listings

Meat & Meat Products

Meat

Product code	Product description	Analyte	Pack size	CAS number	Analyte concentration
LGC7220	Horsemeat	Horse meat	10 g	N/A	100%
LGC7221	Beef	Beef	10 g	N/A	100%
LGC7222	Pork	Pork	10 g	N/A	100%
LGC7223	Sheep meat	Sheep meat	10 g	N/A	100%
LGC7224	Chicken meat	Chicken	10 g	N/A	100%
LGC7225	Turkey meat	Turkey	10 g	N/A	100%
LGC7226	Goat meat	Goat	10 g	N/A	100%
LGC7240	1% w/w horsemeat in beef (nominal)	Horse meat	3 x 2 g	N/A	1% w/w
LGC7242	1% w/w pork in beef (nominal)	Pork	3 x 2 g	N/A	1% w/w
LGC7244	1% w/w chicken meat in sheep (nominal)	Chicken	3 x 2 g	N/A	1% w/w
LGC7246	1% w/w turkey meat in sheep meat (nominal)	Turkey	3 x 2 g	N/A	1% w/w
LGC7248	1% w/w beef in sheep meat (nominal)	Beef	3 x 2 g	N/A	1% w/w

Product code	Product description	Pack size	Number of analytes
LGC7155	Processed meat - Proximates, chloride, hydroxyproline and metals	50g	10
Analyte		CAS number	Analyte concentration
Moisture		N/A	55.13 g/100g
Nitrogen		7727-37-9	2.202 g/100g
Total Fat		N/A	24.23 g/100g
Ash		N/A	3.229 g/100g
Chloride		16887-00-6	1.377 g/100g
Hydroxyproline		51-35-4	0.359 g/100g
Magnesium		7439-95-4	11.02 mg/100g
Phosphorus		7723-14-0	236 mg/100g
Potassium		7440-09-7	187.4 mg/100g
Sodium		7440-23-5	1110 mg/100g

Food Regulation



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Product listings

Dairy Products

Product code	Product description	Analyte	Pack size	CAS number	Analyte concentration
ERM-BD001	Milk Powder (Somatic Cell count, SCC)	Somatic cell count	2x14 g	N/A	64000; 62000 cells/mL
ERM-BD283	Whole milk powder - Aflatoxin M1 (low level)	Aflatoxin M1	30 g	6795-23-9	0.111 µg/kg
ERM-BD284	Whole milk powder - Aflatoxin M1 (high level)	Aflatoxin M1	30 g	6795-23-9	0.44 µg/kg

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 methylester		623-42-7	3.86 %
Chloride		16887-00-6	823 mg/100g
Cholesterol		57-88-5	2276 mg/kg
pH		N/A	6.5
Sodium chloride		7647-14-5	1.36 %
Solids-not-fat (SNF)		N/A	2.76 %
Water		7732-18-5	16.26 %

Product code	Product description	Pack size	Number of analytes
MUVA-ECE-1711	Milk, frozen	30 mL	3
Analyte		CAS number	Analyte concentration
Coliforms (enumeration)		N/A	3.7 log cfu/g
Enterobacteriaceae		N/A	3.63 log cfu/g
Escherichia coli		N/A	2.89 log cfu/g

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Product listings

Product code	Product description	Pack size	Number of analytes
MUVA-ECE-1712	Milk, frozen	30 mL	3
Analyte		CAS number	Analyte concentration
Coliforms (enumeration)		N/A	4.63 log cfu/g
Enterobacteriaceae		N/A	4.53 log cfu/g
Escherichia coli		N/A	3.76 log cfu/g

Product code	Product description	Pack size	Number of analytes
MUVA-FK-1230	Cream Cheese 30% f.i.d.m	250g	8
Analyte		CAS number	Analyte concentration
Chloride		16887-00-6	381 mg/100g
Dry matter		N/A	21.89 g/100g
Fat		N/A	5.75 g/100g
Lactic acid		N/A	527 mg/100g
Lactose Monohydrate		64044-51-5	2.96 g/100g
pH		N/A	4.59
Protein		N/A	9.63 g/100g
Sodium chloride		7647-14-5	0.63 g/100g

Product code	Product description	Pack size	Number of analytes
MUVA-FK-1231	Cream Cheese 30% f.i.d.m	250g	8
Analyte		CAS number	Analyte concentration
Chloride		16887-00-6	437 mg/100g
Dry matter		N/A	25.82 g/100g
Fat		N/A	13.64 g/100g
Lactic acid		N/A	486 mg/100g
Lactose Monohydrate		64044-51-5	2.96 g/100g
pH		N/A	4.58
Protein		N/A	6.75 g/100g
Sodium chloride		7647-14-5	0.72 g/100g

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Product listings

Product code	Product description	Pack size	Number of analytes
MUVA-FM-2105	Fatty acid composition (in spray dried whole milk powder)	40 mL	15
Analyte		CAS number	Analyte concentration
Arachidic acid		506-30-9	0.14 g/100g
Butyric Acid		107-92-6	3.53 g/100g
Capric Acid		334-48-5	3.04 g/100g
Caproic Acid		142-62-1	2.26 g/100g
Caprylic Acid		124-07-2	1.33 g/100g
cis alpha-Linolenic acid (ALA)		463-40-1	0.68 g/100g
Elaidic Acid		112-79-8	2.55 g/100g
Lauric Acid		143-07-7	3.52 g/100g
Linoleic Acid		60-33-3	1.59 g/100g
Myristic Acid		544-63-8	11.52 g/100g
Myristoleic acid		544-64-9	1.01 g/100g
Oleic Acid		112-80-1	19.36 g/100g
Palmitic Acid		57-10-3	29.6 g/100g
Palmitoleic acid		373-49-9	1.5 g/100g
Stearic Acid		57-11-4	9.64 g/100g

Product code	Product description	Analyte	Pack size	CAS number	Analyte concentration
MUVA-GKZ-1711	Milk, frozen	Total bacterial count	30 mL	N/A	4.54 log cfu/g
MUVA-GKZ-1712	Milk, frozen	Total bacterial count	30 mL	N/A	5.51 log cfu/g

Product code	Product description	Pack size	Number of analytes
MUVA-HA-1513	Hard Cheese	100 g	6
Analyte		CAS number	Analyte concentration
Chloride		16887-00-6	519 mg/100g
Dry matter		N/A	60.95 %
Fat		N/A	27.13 %
pH		N/A	5.59
Protein		N/A	27.43 %
Sodium chloride		7647-14-5	0.85 %

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Product listings

Product code	Product description	Pack size	Number of analytes
MUVA-HS-1713	Milk, frozen	30 mL	2
Analyte		CAS number	Analyte concentration
Geotrichum		N/A	1.49 log cfu/g
Yeast (enumeration)		N/A	4.84 log cfu/g

Product code	Product description	Pack size	Number of analytes
MUVA-HS-1714	Milk, frozen	30 mL	2
Analyte		CAS number	Analyte concentration
Geotrichum		N/A	2.36 log cfu/g
Yeast (enumeration)		N/A	5.77 log cfu/g

Product code	Product description	Pack size	Number of analytes
MUVA-JO-1425	Yoghurt 1.8% Fat	500 g	5
Analyte		CAS number	Analyte concentration
Dry matter		N/A	14.45 g/100g
Fat		N/A	1.84 g/100g
Lactic acid		N/A	1104 mg/100g
pH		N/A	4.2
Protein		N/A	5.02 g/100g

Product code	Product description	Pack size	Number of analytes
MUVA-JO-1426	Yoghurt 3.8% Fat	500 g	5
Analyte		CAS number	Analyte concentration
Dry matter		N/A	15.67 g/100g
Fat		N/A	3.82 g/100g
Lactic acid		N/A	1179 mg/100g
pH		N/A	4.06
Protein		N/A	4.74 g/100g

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Product listings

Product code	Product description	Pack size	Number of analytes
MUVA-K-1803	Semi Hard Cheese	100 g	6
Analyte		CAS number	Analyte concentration
Chloride		16887-00-6	1321 mg/100g
Dry matter		N/A	58.06 g/100g
Fat		N/A	26.72 g/100g
pH		N/A	5.21
Protein		N/A	23.04 g/100g
Sodium chloride		7647-14-5	2.18 g/100g

Product code	Product description	Pack size	Number of analytes
MUVA-KM-0516	Evaporated Milk 4% Fat	100 mL	5
Analyte		CAS number	Analyte concentration
Ash		N/A	0.67 g/100g
Dry matter		N/A	18.47 g/100g
Fat		N/A	10.1 g/100g
Phosphorus		7723-14-0	841.2 mg/kg
Protein		N/A	3.2 g/100g

Product code	Product description	Pack size	Number of analytes
MUVA-M-0145	UHT Skimmed Milk	250 mL	6
Analyte		CAS number	Analyte concentration
Density		N/A	1.0309 g/mL
Dry matter		N/A	12.53 %
Fat		N/A	3.494 %
Freezing point		N/A	-0.5205 °C
Lactose Monohydrate		64044-51-5	4.69 %
Protein		N/A	3.574 %

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Product listings

Product code	Product description	Pack size	Number of analytes
MUVA-M-0146	UHT Milk 3.5% fat	200 mL	6
Analyte		CAS number	Analyte concentration
Density		N/A	1.0309 g/mL
Dry matter		N/A	12.52 %
Fat		N/A	3.49 %
Freezing point		N/A	-0.5201 °C
Lactose Monohydrate		64044-51-5	4.69 %
Protein		N/A	3.589 %

Product code	Product description	Analyte	Pack size	CAS number	Analyte concentration
MUVA-MA-2407	Aflatoxin M1 (raw milk, shock frozen)	Aflatoxin M1	40 mL	6795-23-9	0.047 µg/kg
MUVA-MBH-1727	Skimmed UNT milk +capsule	Saccharomyces Cerevisiae	250 mL	N/A	3.56 log KBE/mL
MUVA-MBH-1728	Skimmed UNT milk +capsule	Saccharomyces Cerevisiae	30 mL	N/A	3.6 log KBE/mL

Product code	Product description	Pack size	Number of analytes
MUVA-ML-2314	UHT Milk (low in lactose)	100 mL	3
Analyte		CAS number	Analyte concentration
Galactose enzyme		N/A	2.14 g/100g
Glucose enzyme		N/A	2.2 g/100g
Lactose Monohydrate		64044-51-5	0.199 g/100g

Product code	Product description	Pack size	Number of analytes
MUVA-ML-2315	UHT Milk (lactose free)	40 mL	3
Analyte		CAS number	Analyte concentration
Galactose enzyme		N/A	2.38 g/100g
Glucose enzyme		N/A	2.37 g/100g
Lactose Monohydrate		64044-51-5	0.006 g/100g

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Product listings

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

Product code	Product description	Pack size	Number of analytes
MUVA-MP-0219	Skimmed milk powder, spray dried	80 g	5
Analyte		CAS number	Analyte concentration
Ash		N/A	7.86 g/100g
Dry matter		N/A	96.45 g/100g
Fat		N/A	0.73 g/100g
Lactose		63-42-3	52.42 g/100g
Protein		N/A	35.12 g/100g

Product code	Product description	Pack size	Number of analytes
MUVA-MP-0220	Skimmed milk powder, spray dried, lactose free	80 g	5
Analyte		CAS number	Analyte concentration
Ash		N/A	7.66 %
Fat		N/A	1.26 %
Lactose Monohydrate		64044-51-5	0.049 %
pH		N/A	6.57
Protein		N/A	35.75 %

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Product code	Product description	Pack size	Number of analytes
MUVA-MPK-0907	Whey Protein concentrate	80 g	5
Analyte		CAS number	Analyte concentration
Ash		N/A	3.19 g/100g
Fat		N/A	5.8 g/100g
Lactose Monohydrate		64044-51-5	6.45 g/100g
Protein		N/A	77.54 g/100g
Water		7732-18-5	4.47 g/100g

Product code	Product description	Pack size	Number of analytes
MUVA-R-0441	UHT Cream 30% fat	160 g	3
Analyte		CAS number	Analyte concentration
Dry matter		N/A	37.05 g/100g
Fat		N/A	30.35 g/100g
Protein		N/A	2.44 g/100g

Product code	Product description	Pack size	Number of analytes
MUVA-R-0442	UHT Cream 37% fat	160 g	3
Analyte		CAS number	Analyte concentration
Dry matter		N/A	41.63 g/100g
Fat		N/A	35.33 g/100g
Protein		N/A	2.25 g/100g

Product code	Product description	Pack size	Number of analytes
MUVA-RO-0753	Raw milk (shock frozen)	40 mL	7
Analyte		CAS number	Analyte concentration
Casein		9000-71-9	3.108 g/100g
Dry matter		N/A	11.36 g/100g
Fat		N/A	1.905 g/100g
Freezing point		N/A	-0.5213 °C
Lactose Monohydrate		64044-51-5	4.811 g/100g
pH		N/A	6.72
Protein		N/A	3.927 g/100g

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Product listings

Product code	Product description	Pack size	Number of analytes
MUVA-RO-0756	Raw milk (shock frozen)	40 mL	7
Analyte		CAS number	Analyte concentration
Casein		9000-71-9	2.858 g/100g
Dry matter		N/A	13.64 g/100g
Fat		N/A	4.579 g/100g
Freezing point		N/A	-0.5246 °C
Lactose Monohydrate		64044-51-5	4.791 g/100g
pH		N/A	6.7
Protein		N/A	3.59 g/100g

Product code	Product description	Pack size	Number of analytes
MUVA-RO-0757	Raw milk (shock frozen)	40 mL	7
Analyte		CAS number	Analyte concentration
Casein		9000-71-9	2.841 g/100g
Dry matter		N/A	12.05 g/100g
Fat		N/A	2.954 g/100g
Freezing point		N/A	-0.5196 °C
Lactose Monohydrate		64044-51-5	4.838 g/100g
pH		N/A	6.72
Protein		N/A	3.58 g/100g

Product code	Product description	Pack size	Number of analytes
MUVA-SK-0319	Processed Cheese 45 % f.i.d.m.	250 mL	11
Analyte		CAS number	Analyte concentration
Ash		N/A	3.88 %
Chloride		16887-00-6	0.0556 %
Citric Acid		77-92-9	0.01006 %
Dry matter		N/A	42.23 %
Fat		N/A	20.28 %
Lactose Monohydrate		64044-51-5	2.05 %
pH		N/A	5.9
Phosphorus		7723-14-0	0.77 %
Protein		N/A	14.93 %
Sodium		7440-23-5	0.0929 %
Sodium chloride		7647-14-5	0.92 %

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Product listings

Product code	Product description	Pack size	Number of analytes
MUVA-SK-0320	Processed Cheese 55 % f.i.d.m.	250 g	9
Analyte		CAS number	Analyte concentration
Ash		N/A	3.52 g/100g
Chloride		16887-00-6	314 mg/100g
Dry matter		N/A	44.21 g/100g
Fat		N/A	24.78 g/100g
pH		N/A	5.84
Phosphorus		7723-14-0	0.77 g/100g
Protein		N/A	12.26 g/100g
Sodium		7440-23-5	806 mg/100g
Sodium chloride		7647-14-5	0.52 g/100g

Product code	Product description	Pack size	Number of analytes
NIST-1549A	Whole Milk Powder	5x10 g	29
Analyte		CAS number	Analyte concentration
Barium		7440-39-3	0.566 mg/kg
Calcium		7440-70-2	8810 mg/kg
Caprylic Acid		124-07-2	0.311 g/100g
Cholesterol		57-88-5	0.0981 g/100g
cis alpha-Linolenic acid (ALA)		463-40-1	0.132 g/100g
cis-Vaccenic Acid		506-17-2	0.153 g/100g
L-Ascorbic Acid		50-81-7	41.9 mg/kg
Lauric Acid		143-07-7	0.764 g/100g
Linoleic Acid		60-33-3	0.659 g/100g
Magnesium		7439-95-4	892 mg/kg
Manganese		7439-96-5	0.184 mg/kg
Myristic Acid		544-63-8	2.48 g/100g
Myristoleic acid		544-64-9	0.286 g/100g
Nicotinamide (Vitamin B3)		98-92-0	5.91 mg/kg
Oleic Acid		112-80-1	4.83 g/100g
Palmitic Acid		57-10-3	6.65 g/100g
Palmitoleic acid		373-49-9	0.385 g/100g
Pantothenic acid (Vitamin B5)		N/A	33.7 mg/kg
Phosphorus		7723-14-0	7600 mg/kg
Potassium		7440-09-7	11920 mg/kg
Pyridoxal		66-72-8	1.72 mg/kg
Pyridoxamine		85-87-0	0.259 mg/kg
Selenium		7782-49-2	0.242 mg/kg
Sodium		7440-23-5	3176 mg/kg

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Analyte	CAS number	Analyte concentration
Stearic Acid	57-11-4	2.57 g/100g
Strontium	7440-24-6	2.14 mg/kg
Thiamin	N/A	1.365 mg/kg
Vitamin B2 (Riboflavin)	83-88-5	10.6 mg/kg
Zinc	7440-66-6	33.8 mg/kg

Product code	Product description	Pack size	Number of analytes
NIST-1869	Infant/Adult Nutritional Formula II (milk/whey/soy-based)	10x10 g	46
Analyte	CAS number	Analyte concentration	
Arachidonic Acid	506-32-1	0.118 g/100g	
Ash	N/A	3.421 g/100g	
Biotin	58-85-5	0.000189 g/100g	
Calcium	7440-70-2	0.456 mg/kg	
Capric Acid	334-48-5	1.018 g/100g	
Caprylic Acid	124-07-2	1.301 g/100g	
Chlorine	7782-50-5	0.513 mg/kg	
Cholesterol	57-88-5	0.00001302 g/100g	
Choline	62-49-7	0.1612 g/100g	
Chromium	7440-47-3	0.0000859 mg/kg	
cis alpha-Linolenic acid (ALA)	463-40-1	0.52 g/100g	
cis-Docosahexaenoic Acid (DHA)	6217-54-5	0.123 g/100g	
Cis-Monounsaturated Fatty Acids	N/A	6.8 g/100g	
Cis-Polyunsaturated Fatty Acids	N/A	5.83 g/100g	
Copper	7440-50-8	0.0019 mg/kg	
DL-Carnitine	406-76-8	0.01035 g/100g	
Fat	N/A	17.9 g/100g	
Iodine	7553-56-2	0.000128 mg/kg	
Iron	7439-89-6	0.01647 mg/kg	
L-Ascorbic Acid	50-81-7	0.0897 g/100g	
Lauric Acid	143-07-7	0.0416 g/100g	
Linoleic Acid	60-33-3	4.98 g/100g	
Magnesium	7439-95-4	0.0947 mg/kg	
Manganese	7439-96-5	0.0046 mg/kg	
Molybdenum	7439-98-7	0.0001612 mg/kg	
Myristic Acid	544-63-8	0.085 g/100g	
Nicotinamide (Vitamin B3)	98-92-0	0.00984 g/100g	
Oleic Acid	112-80-1	6.6 g/100g	
Palmitic Acid	57-10-3	1.31 g/100g	
Palmitoleic acid	373-49-9	0.0196 g/100g	

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Analyte	CAS number	Analyte concentration
Pantothenic acid (Vitamin B5)	N/A	0.00649 g/100g
Phosphorus	7723-14-0	0.4186 mg/kg
Potassium	7440-09-7	0.756 mg/kg
Protein	N/A	14.498 g/100g
Saturated fatty acids	N/A	4.41 g/100g
Selenium	7782-49-2	0.000806 mg/kg
Sodium	7440-23-5	0.1877 mg/kg
Stearic Acid	57-11-4	0.49 g/100g
Thiamin	N/A	0.001336 g/100g
Total Omega-3 fatty acids	N/A	0.653 g/100g
Total Omega-6 fatty acids	N/A	5.21 g/100g
Total Solids	N/A	96.63 g/100g
trans-Vaccenic Acid	693-72-1	0.151 g/100g
Vitamin B2 (Riboflavin)	83-88-5	0.00136 g/100g
Vitamin B6 (Pyridoxine)	65-23-6	0.001309 g/100g
Zinc	7440-66-6	0.0144 mg/kg

Product code	Product description	Pack size	Number of analytes
NIST-3235	Soy Milk	10x10 mL	13
Analyte	CAS number	Analyte concentration	
Calcium	7440-70-2	1219 mg/kg	
Copper	7440-50-8	0.976 mg/kg	
D-delta-tocopherol	119-13-1	6.1 mg/kg	
D-gamma-tocopherol	54-28-4	7.5 mg/kg	
Ergocalciferol	50-14-6	0.0120 mg/kg	
Magnesium	7439-95-4	170.4 mg/kg	
Manganese	7439-96-5	1.907 mg/kg	
Pantothenic acid (Vitamin B5)	N/A	0.92 mg/kg	
Phosphorus	7723-14-0	392 mg/kg	
Potassium	7440-09-7	1357 mg/kg	
Riboflavin	N/A	2.23 mg/kg	
Sodium	7440-23-5	488.2 mg/kg	
Zinc	7440-66-6	2.58 mg/kg	

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Trace elements / nutritional claims

Elemental Analysis

Product code	Product description	Pack size	Number of analytes
ERM-BD213	Yeast - Total chromium and Cr (III)	7 g	2
Analyte		CAS number	Analyte concentration
Chromium(III)		N/A	302 mg/kg
Total Chromium		N/A	305.5 mg/kg

Product code	Product description	Pack size	Number of analytes
ERM-CE101	Trout Muscle (Trace Elements)	jar	7
Analyte		CAS number	Analyte concentration
Arsenic		7440-38-2	0.175 mg/kg
Iron		7439-89-6	3.1 mg/kg
Manganese		7439-96-5	0.108 mg/kg
Mercury		7439-97-6	0.0219 mg/kg
Selenium		7782-49-2	0.113 mg/kg
Zinc		7440-66-6	4.5 mg/kg

Product code	Product description	Pack size	Number of analytes
NIST-1548A	Typical diet - Trace elements	set(2)	19
Analyte		CAS number	Analyte concentration
Aluminium		7429-90-5	72.4 mg/kg
Arsenic		7440-38-2	0.2 mg/kg
Cadmium		7440-43-9	0.035 mg/kg
Calcium		7440-70-2	1967 mg/kg
Cesium		7440-46-2	0.0098 mg/kg
Chlorine		7782-50-5	12078 mg/kg
Copper		7440-50-8	2.32 mg/kg
Iodine		7553-56-2	0.759 mg/kg
Iron		7439-89-6	35.3 mg/kg
Lead		7439-92-1	0.044 mg/kg
Magnesium		7439-95-4	580 mg/kg
Manganese		7439-96-5	5.75 mg/kg
Nickel		7440-02-0	0.369 mg/kg
Phosphorus		7723-14-0	3486 mg/kg

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Analyte	CAS number	Analyte concentration
Potassium	7440-09-7	6970 mg/kg
Selenium	7782-49-2	0.245 mg/kg
Sodium	7440-23-5	8132 mg/kg
Tin	7440-31-5	17.2 mg/kg
Zinc	7440-66-6	24.6 mg/kg

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	1070 mg/kg	
Arsenic	7440-38-2	38.3 mg/kg	
Arsenous Acid	7778-39-4	<0.07	
Arsenosugar 328	N/A	1.20 mg/kg	
Arsenosugar 392	N/A	14.06 mg/kg	
Arsenosugar 482	N/A	5.59 mg/kg	
Ash	N/A	23.55 g/100g	
Cacodylic acid	75-60-5	0.479 mg/kg	
Cadmium	7440-43-9	0.4259 mg/kg	
Calcium	7440-70-2	12260 mg/kg	
Calories	N/A	306.2 kcal/100g	
Carbohydrate	N/A	56.7 g/100g	
Chlorine	7782-50-5	35600 mg/kg	
Chromium	7440-47-3	5.92 mg/kg	
cis-Vitamin K1	16033-41-3	0.0353 mg/kg	
Cobalt	7440-48-4	0.307 mg/kg	
Copper	7440-50-8	3875 mg/kg	
Iodine	7553-56-2	944 mg/kg	
Iron	7439-89-6	672 mg/kg	
Lead	7439-92-1	1.032 mg/kg	
Magnesium	7439-95-4	6130 mg/kg	
Manganese	7439-96-5	24.6 mg/kg	
Mercury	7439-97-6	0.1129 mg/kg	
Molybdenum	7439-98-7	0.2441 mg/kg	
Phosphorus	7723-14-0	4551 mg/kg	
Potassium	7440-09-7	76000 mg/kg	
Protein	N/A	14.48 g/100g	
Rubidium	7440-17-7	28.44 mg/kg	
Sodium	7440-23-5	16330 mg/kg	
Total fat	N/A	2.4 g/100g	
Vitamin K1 (cis and trans)	N/A	0.431 mg/kg	
Vitamin K1 (Phytonadione)	84-80-0	0.396 mg/kg	
Zinc	7440-66-6	27.4 mg/kg	

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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	514 mg/kg
Copper		7440-50-8	3.65 mg/kg
Iron		7439-89-6	26.3 mg/kg
Magnesium		7439-95-4	429 mg/kg
Manganese		7439-96-5	21.59 mg/kg
Phosphorus		7723-14-0	807 mg/kg
Potassium		7440-09-7	7680 mg/kg
Quinic Acid		77-95-2	47.8 mg/g
Sodium		7440-23-5	263 mg/kg
Zinc		7440-66-6	6.69 mg/kg

Product code	Product description	Pack size	Number of analytes
NIST-3282	Low-calorie cranberry juice cocktail - Organic acids, Trace elements	5x1.2 mL	9
Analyte		CAS number	Analyte concentration
Calcium		7440-70-2	26.3 mg/kg
Citric Acid		77-92-9	3.221 mg/g
Copper		7440-50-8	0.231 mg/kg
DL-Malic Acid		6915-15-7	2.133 mg/g
Magnesium		7439-95-4	12.97 mg/kg
Manganese		7439-96-5	0.493 mg/kg
Potassium		7440-09-7	247 mg/kg
Quinic Acid		77-95-2	2.672 mg/g
Sodium		7440-23-5	201 mg/kg

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Product code	Product description	Pack size	Number of analytes
NIST-3287	Blueberry (Fruit) - Organic acids	5x5 g	13
Analyte		CAS number	Analyte concentration
Calcium		7440-70-2	323 mg/kg
Copper		7440-50-8	2.22 mg/kg
Iron		7439-89-6	12.2 mg/kg
Magnesium		7439-95-4	313.7 mg/kg
Manganese		7439-96-5	8.47 mg/kg
Niacin (Nicotinic Acid)		59-67-6	2.864 mg/kg
Pantothenic acid (Vitamin B5)		N/A	3.36 mg/kg
Phosphorus		7723-14-0	671 mg/kg
Potassium		7440-09-7	4490 mg/kg
Quinic Acid		77-95-2	25.53 mg/g
Thiamin		N/A	1.679 mg/kg
Vitamin B6 (Pyridoxine)		65-23-6	1.263 mg/kg
Zinc		7440-66-6	6.49 mg/kg

Product code	Product description	Pack size	Number of analytes
NIST-3299	Ground Turmeric (Curcuma longa L.) Rhizome	5x3 g	6
Analyte		CAS number	Analyte concentration
Arsenic		7440-38-2	0.332 mg/g
Bisdemethoxycurcumin		33171-05-0	3.66 mg/g
Cadmium		7440-43-9	1.73 mg/g
Curcumin		458-37-7	12.17 mg/g
Desmethoxycurcumin		24939-17-1	3.79 mg/g
Lead		7439-92-1	1.2 mg/g

Product code	Product description	Pack size	Number of analytes
NIST-3530	Iodized Table Salt (Iodide)	200 g	1
Analyte		CAS number	Analyte concentration
Iodine		7553-56-2	52.2 mg/g

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Product code	Product description	Pack size	Number of analytes
NRC-GINX-1	North American ginseng root extract Certified Reference Material	ea	16
Analyte		CAS number	Analyte concentration
Arsenic		7440-38-2	0.61 mg/kg
Cadmium		7440-43-9	0.0145 mg/kg
Copper		7440-50-8	5.43 mg/kg
Ginsenoside Rb1		41753-43-9	42.85 mg/g
Ginsenoside Rb2		11021-13-9	2.29 mg/g
Ginsenoside Rb3		68406-26-8	3.76 mg/g
Ginsenoside Rc		11021-14-0	14.95 mg/g
Ginsenoside Rd		52705-93-8	16.55 mg/g
Ginsenoside Re		52286-59-6	20.46 mg/g
Ginsenoside Rg1		22427-39-0	3.28 mg/g
Lead		7439-92-1	0.594 mg/kg
Magnesium		7439-95-4	1146 mg/kg
Manganese		7439-96-5	17.3 mg/kg
Nickel		7440-02-0	0.92 mg/kg
Potassium		7440-09-7	22690 mg/kg
Zinc		7440-66-6	23.1 mg/kg

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Product code	Product description	Pack size	Number of analytes
NRC-GIPS-1	Ginseng Root Reference Material.	ea	19
Analyte		CAS number	Analyte concentration
Aluminium		7429-90-5	550 mg/kg
Barium		7440-39-3	23.1 mg/kg
Boron		7440-42-8	9.1 mg/kg
Cadmium		7440-43-9	0.053 mg/kg
Calcium		7440-70-2	2990 mg/kg
Copper		7440-50-8	6.01 mg/kg
Iron		7439-89-6	310 mg/kg
Magnesium		7439-95-4	2500 mg/kg
Manganese		7439-96-5	32.8 mg/kg
Molybdenum		7439-98-7	0.62 mg/kg
Nickel		7440-02-0	1.2 mg/kg
Pentachloroaniline		527-20-8	0.355 mg/kg
Pentachlorobenzene		608-93-5	0.645 mg/kg
Phosphorus		7723-14-0	2530 mg/kg
Potassium		7440-09-7	16000 mg/kg
Quintozone		82-68-8	0.461 mg/kg
Sodium		7440-23-5	500 mg/kg
Strontium		7440-24-6	52 mg/kg
Zinc		7440-66-6	17.5 mg/kg

Product code	Product description	Pack size	Number of analytes
NRC-GLUT-1	Wheat Gluten Reference Material	50 g	35
Analyte		CAS number	Analyte concentration
Aluminium		7429-90-5	10.8 mg/kg
Antimony		7440-36-0	0.01 mg/kg
Arsenic		7440-38-2	0.02 mg/kg
Ash		N/A	0.937 %
Barium		7440-39-3	1.53 mg/kg
Boron		7440-42-8	0.4 mg/kg
Bromine		7726-95-6	3.6 mg/kg
Cadmium		7440-43-9	0.064 mg/kg
Calcium		7440-70-2	369 mg/kg
Carbohydrate		N/A	11.1 %
Chlorine		7782-50-5	3600 mg/kg

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Analyte	CAS number	Analyte concentration
Chromium	7440-47-3	0.053 mg/kg
Cobalt	7440-48-4	0.01 mg/kg
Copper	7440-50-8	5.94 mg/kg
Energy	N/A	422.2 kcal/100g
Fat	N/A	5.2 %
Fluorine	7782-41-4	0.43 mg/kg
Iodine	7553-56-2	0.06 mg/kg
Iron	7439-89-6	54.3 mg/kg
Lead	7439-92-1	0.1 mg/kg
Magnesium	7439-95-4	510 mg/kg
Manganese	7439-96-5	14.3 mg/kg
Molybdenum	7439-98-7	0.76 mg/kg
Nickel	7440-02-0	0.13 mg/kg
Nitrogen	7727-37-9	146000 mg/kg
Phosphorus	7723-14-0	2190 mg/kg
Potassium	7440-09-7	472 mg/kg
Protein	N/A	82.7 %
Rubidium	7440-17-7	0.4 mg/kg
Selenium	7782-49-2	2.58 mg/kg
Sodium	7440-23-5	1420 mg/kg
Strontium	7440-24-6	1.71 mg/kg
Titanium	7440-32-6	2 mg/kg
Vanadium	7440-62-2	0.04 mg/kg
Zinc	7440-66-6	53.8 mg/kg

Product code	Product description	Pack size	Number of analytes
NRC-REDS-1	Hard Red Spring Wheat Flour Reference Material	ea	7
Analyte	CAS number	Analyte concentration	
Calcium	7440-70-2	143 mg/kg	
Iron	7439-89-6	31 mg/kg	
Magnesium	7439-95-4	365 mg/kg	
Manganese	7439-96-5	4.5 mg/kg	
Phosphorus	7723-14-0	1370 mg/kg	
Potassium	7440-09-7	1150 mg/kg	
Zinc	7440-66-6	10.6 mg/kg	

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Product code	Product description	Pack size	Number of analytes
ERM-BC210	Wheat flour - selenium and selenomethionine	15 g	2
Analyte		CAS number	Analyte concentration
Selenomethionine		1464-42-2	27.4 mg/kg
Total Selenium		7782-49-2	17.23 mg/kg

Product code	Product description	Pack size	Number of analytes
NRC-VITA-1	Low-level Multivitamin Certified Reference Material for Minerals and Vitamins	20 vials	39
Analyte		CAS number	Analyte concentration
Arsenic		7440-38-2	0.046 mg/kg
beta-Carotene		7235-40-7	60 mg/kg
Biotin		58-85-5	7.9 mg/kg
Boron		7440-42-8	84 mg/kg
Bromine		7726-95-6	0.28 mg/kg
Cadmium		7440-43-9	0.02 mg/kg
Calcium		7440-70-2	28600 mg/kg
Chlorine		7782-50-5	222 mg/kg
Chromium		7440-47-3	10.2 mg/kg
Chromium(III) picolinate		14639-25-9	9.7 mg/kg
Cobalt		7440-48-4	0.573 mg/kg
Copper		7440-50-8	98 mg/kg
Cyanocobalamin		68-19-9	2.4 mg/kg
D-alpha-Tocopherol		59-02-9	1760 mg/kg
D-Pantothenic acid		79-83-4	1940 mg/kg
Ergocalciferol		50-14-6	0.06 mg/kg
Folic Acid		59-30-3	76 mg/kg
Iodine		7553-56-2	29 mg/kg
Iron		7439-89-6	3560 mg/kg
L-Ascorbic Acid		50-81-7	11190 mg/kg
Lead		7439-92-1	0.064 mg/kg
Lutein		127-40-2	0.7 mg/kg
Magnesium		7439-95-4	18500 mg/kg
Manganese		7439-96-5	389 mg/kg
Mercury		7439-97-6	<0.004 mg/kg
Molybdenum		7439-98-7	18.1 mg/kg
Nicotinamide (Vitamin B3)		98-92-0	3840 mg/kg
Phosphorus		7723-14-0	19000 mg/kg
Potassium		7440-09-7	12100 mg/kg
Pyridoxine Hydrochloride		58-56-0	390 mg/kg

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Analyte	CAS number	Analyte concentration
Selenium	7782-49-2	4.2 mg/kg
Selenomethionine	1464-42-2	3 mg/kg
Sodium	7440-23-5	1000 mg/kg
Strontium	7440-24-6	9 mg/kg
Thiamine Hydrochloride	67-03-8	290 mg/kg
Vitamin A (as retinol)	68-26-8	50 mg/kg
Vitamin B2 (Riboflavin)	83-88-5	342 mg/kg
Vitamin K1 (Phytonadione)	84-80-0	6 mg/kg
Zinc	7440-66-6	2360 mg/kg

Product code	Product description	Pack size	Number of analytes
NRC-VITB-1	Elevated-level Multivitamin Certified Reference Material for Minerals and Vitamins	20 vials	39
Analyte	CAS number	Analyte concentration	
Arsenic	7440-38-2	0.103 mg/kg	
beta-Carotene	7235-40-7	110 mg/kg	
Biotin	58-85-5	615.3 mg/kg	
Boron	7440-42-8	163 mg/kg	
Bromine	7726-95-6	0.35 mg/kg	
Cadmium	7440-43-9	0.04 mg/kg	
Calcium	7440-70-2	57100 mg/kg	
Chlorine	7782-50-5	319 mg/kg	
Chromium	7440-47-3	19.8 mg/kg	
Chromium(III) picolinate	14639-25-9	19 mg/kg	
Cobalt	7440-48-4	0.97 mg/kg	
Copper	7440-50-8	98 mg/kg	
Cyanocobalamin	68-19-9	1.7 mg/kg	
D-alpha-Tocopherol	59-02-9	3580 mg/kg	
D-Pantothenic acid	79-83-4	3830 mg/kg	
Ergocalciferol	50-14-6	0.13 mg/kg	
Folic Acid	59-30-3	146 mg/kg	
Iodine	7553-56-2	198 mg/kg	
Iron	7439-89-6	7030 mg/kg	
L-Ascorbic Acid	50-81-7	22410 mg/kg	
Lead	7439-92-1	0.108 mg/kg	
Lutein	127-40-2	1.6 mg/kg	
Magnesium	7439-95-4	36700 mg/kg	
Manganese	7439-96-5	795 mg/kg	
Mercury	7439-97-6	<0.004 mg/kg	
Molybdenum	7439-98-7	18.1 mg/kg	
Nicotinamide (Vitamin B3)	98-92-0	7650 mg/kg	

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Analyte	CAS number	Analyte concentration
Phosphorus	7723-14-0	19000 mg/kg
Potassium	7440-09-7	12100 mg/kg
Pyridoxine Hydrochloride	58-56-0	890 mg/kg
Selenium	7782-49-2	4.2 mg/kg
Selenomethionine	1464-42-2	3 mg/kg
Sodium	7440-23-5	1000 mg/kg
Strontium	7440-24-6	9 mg/kg
Thiamine Hydrochloride	67-03-8	642 mg/kg
Vitamin A (as retinol)	68-26-8	80 mg/kg
Vitamin B2 (Riboflavin)	83-88-5	674 mg/kg
Vitamin K1 (Phytonadione)	84-80-0	11 mg/kg
Zinc	7440-66-6	2360 mg/kg

Fatty Acids

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

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Infant Food

Product code	Product description	Pack size	Number of analytes
MUVA-KI-1107	Carbohydrates / Vitamins	50 g	7
Analyte		CAS number	Analyte concentration
Alpha Tocopherol		10191-41-0	5.5 mg/100g
Fructose		N/A	2.11 g/100g
Glucose		N/A	1.2 g/100g
Lactose Monohydrate		64044-51-5	22.67 g/100g
L-Ascorbic Acid		50-81-7	47.7 mg/100g
Sucrose		57-50-1	0.72 g/100g
Vitamin A		N/A	489.5 µg/100g

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

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

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Protein

Product code	Product description	Pack size	Number of analytes
NIST-8323	Yeast Protein Extract	3 vials x 0.2 mL	1
Analyte		CAS number	Analyte concentration
Total Protein		N/A	0.188 mg/mL

Sugars

Product code	Product description	Pack size	Number of analytes
ERM-BD016	Sugar confectionary - sugars	14 g	4
Analyte		CAS number	Analyte concentration
Fructose		57-48-7	2.89 g/100g
Glucose		50-99-7	5.74 g/100g
Maltose		69-79-4	17.7 g/100g
Sucrose		57.50-1	44.8 g/100g

Vitamins

Product code	Product description	Pack size	Number of analytes
BCR-487	Pig Liver - Vitamins	15 g	5
Analyte		CAS number	Analyte concentration
Cyanocobalamin		68-19-9	1.12 mg/kg
folate		N/A	13.3 mg/kg
Thiamin		N/A	8.6 mg/kg
Vitamin B2 (Riboflavin)		83-88-5	106.8 mg/kg
Vitamin B6 (Pyridoxine)		65-23-6	19.3 mg/kg

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GMO products

Product code	Product description	Analyte	Pack size	CAS number	Analyte concentration
ERM-BF410AP	Soya seed powder - GTS 40-3-2 Soya (0%)	GMO content	1 g	N/A	>0.09 g/kg
ERM-BF410BP	GTS 40-3-2 SOYA BEAN (>98 %)	GMO content	1 g	N/A	>985 g/kg
ERM-BF410CP	GTS 40-3-2 Soya Bean (level 1 - nominal 0.1 % GMO)	GTS 40-3-2 soya bean	1 g	N/A	0.1 %
ERM-BF410DP	Soya seed powder - GTS 40-3-2 Soya (1%)	GMO content	1 g	N/A	10 g/kg
ERM-BF410EP	Genetically modified soya bean powder - GTS 40-3-2 Soya (10%)	GMO content	1 g	N/A	100 g/kg

Product code	Product description	Analyte	Pack size	CAS number	Analyte concentration
ERM-BF412AK	Genetically Modified Bt-11 Maize (0%, blank)	GMO content	1 g	N/A	>0.12 g/kg
ERM-BF412BK	Genetically Modified Bt-11 Maize (level 1, 100%)	GMO content	1 g	N/A	>970 g/kg
ERM-BF412CK	Genetically Modified Bt-11 Maize (level 2, 0.1% GMO)	GMO content	1 g	N/A	0.99 g/kg
ERM-BF412DK	Genetically Modified Bt-11 Maize (level 3, 1% GMO)	GMO content	1 g	N/A	9.9 g/kg
ERM-BF412EK	Genetically Modified Bt-11 Maize (level 4, 10% GMO)	GMO content	1 g	N/A	99 g/kg
ERM-BF420A	Genetically modified 3272 Maize (0%)	GMO content	vial	N/A	>1.3 g/kg
ERM-BF420B	Genetically modified 3272 Maize (1%)	GMO content	vial	N/A	9.8 g/kg
ERM-BF420C	Genetically modified 3272 Maize (10%)	GMO content	vial	N/A	98 g/kg

Product code	Product description	Analyte	Pack size	CAS number	Analyte concentration
ERM-BF421A	Genetically modified EH92-527-1 Potato (0%)	GMO content	vial	N/A	0 %
ERM-BF421B	Genetically modified EH92-527-1 Potato (100%)	GMO content	vial	N/A	100 %

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Product code	Product description	Analyte	Pack size	CAS number	Analyte concentration
ERM-BF422A	Genetically modified 281-24-236 x 3006-210-23 Cotton seed (0%)	GMO content	vial	N/A	>0.5 g/kg
ERM-BF422B	Genetically modified 281-24-236 x 3006-210-23 Cotton seed (100%)	GMO content	vial	N/A	>979 g/kg
ERM-BF422C	Genetically modified 281-24-236 x 3006-210-23 Cotton seed (1%)	GMO content	vial	N/A	10 g/kg
ERM-BF422D	Genetically modified 281-24-236 x 3006-210-23 Cotton seed (10%)	GMO content	vial	N/A	100 g/kg

Product code	Product description	Analyte	Pack size	CAS number	Analyte concentration
ERM-BF423A	Genetically modified MIR604 Maize (0%)	GMO content	vial	N/A	>0.9 g/kg
ERM-BF423B	Genetically modified MIR604 Maize (0.1%)	GMO content	vial	N/A	1 g/kg
ERM-BF423C	Genetically modified MIR604 Maize (1%)	GMO content	vial	N/A	9.8 g/kg
ERM-BF423D	Genetically modified MIR604 Maize (10%)	GMO content	vial	N/A	98.5 g/kg
ERM-BF424A	Genetically modified 59122 Maize (0%)	GMO content	vial	N/A	>1.2 g/kg
ERM-BF424B	Genetically modified 59122 Maize (0.1%)	GMO content	vial	N/A	1 g/kg
ERM-BF424C	Genetically modified 59122 Maize (1%)	GMO content	vial	N/A	9.9 g/kg

Product code	Product description	Analyte	Pack size	CAS number	Analyte concentration
ERM-BF425A	Genetically modified 356043 Soya seed (0%)	GMO content	vial	N/A	>0.5 g/kg
ERM-BF425B	Genetically modified 356043 Soya seed (0.1%)	GMO content	vial	N/A	1 g/kg
ERM-BF425C	SOYA 356043 (level 2 - nominal 1 % GMO), additional certification of	GMO content	vial	N/A	10 g/kg
ERM-BF425D	Genetically modified 356043 Soya seed (10%)	GMO content	vial	N/A	100 g/kg

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Product code	Product description	Analyte	Pack size	CAS number	Analyte concentration
ERM-BF440A	DAS-81910-7 COTTON (blank)	GMO content	25 g	N/A	>0.07 g/kg
ERM-BF440B	ERM-BF440b DAS-81910-7 COTTON (nominal 100 % GMO)	GMO content	25 g	N/A	>986 g/kg
ERM-BF440C	ERM-BF440c DAS-81910-7 COTTON (nominal 0.1 % GMO)	GMO content	25 g	N/A	1 g/kg
ERM-BF440D	ERM-BF440d DAS-81910-7 COTTON (nominal 1 % GMO)	GMO content	25 g	N/A	10 g/kg
ERM-BF440E	ERM-BF440e DAS-81910-7 COTTON (nominal 10 % GMO)	GMO content	25 g	N/A	100 g/kg



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Product listings

Food Contaminants

Food Contact Materials

Product code	Product description	Pack size	Number of analytes
NIST-2855	Polyethylene - Additive elements	3x80 g	5
Analyte		CAS number	Analyte concentration
Calcium		7440-70-2	37.6 mg/kg
Chromium		7440-47-3	2.4 mg/kg
Phosphorus		7723-14-0	22 mg/kg
Sodium		7440-23-5	16 mg/kg
Titanium		7440-32-6	10.4 mg/kg
Zinc		7440-66-6	415 mg/kg

Product code	Product description	Pack size	Number of analytes
NIST-2860	Phthalates in Polyvinyl Chloride	2 g	5
Analyte		CAS number	Analyte concentration
Bis(8-methylnonyl) phthalate		89-16-7	1156 µg/g
Dibutyl phthalate		84-74-2	1074 µg/g
Diisononyl Phthalate (mixture of branched chain isomers)		68515-48-0	1222 µg/g
Di-n-octyl phthalate		117-84-0	1171 µg/g
Phthalic acid, benzylbutyl ester		85-68-7	1243 µg/g
Phthalic acid, bis-2-ethylhexyl ester		117-81-7	1514 µg/g

Product code	Product description	Pack size	Number of analytes
NIST-2885	Polyethylene	0.3 g	2
Analyte		CAS number	Analyte concentration
Intrinsic Viscosity		N/A	22.3 mL/g
Mass-Average Molar Mass (Mw)		N/A	6.28 x 10 ⁴ g/mol

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Product code	Product description	Pack size	Number of analytes
NIST-2886	Polyethylene	0.3 g	2
Analyte		CAS number	Analyte concentration
Intrinsic Viscosity		N/A	157.8 mL/g
Mass-Average Molar Mass (Mw)		N/A	87.0 x 10 ³ g/mol

Product code	Product description	Pack size	Number of analytes
NIST-2887	Polyethylene	0.3 g	2
Analyte		CAS number	Analyte concentration
Intrinsic Viscosity		N/A	276.9 mL/g
Mass-Average Molar Mass (Mw)		N/A	196.4 x 10 ³ g/mol

Food Impurities

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

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Food Toxicity

Product code	Product description	Pack size	Number of analytes
BCR-543	Mussel - dc-Saxitoxin	15 g	2
Analyte		CAS number	Analyte concentration
Decarbamoylsaxitoxin Dihydrochloride		1221741-44-1	>0.04 mg/kg
Saxitoxin hydrochloride		35554-08-6	>0.07 mg/kg

Product code	Product description	Pack size	Number of analytes
ERM-BD272	Crispbread - Acrylamide	68 g	1
Analyte		CAS number	Analyte concentration
Acrylamide		79-06-1	0.98 mg/kg

Product code	Product description	Pack size	Number of analytes
ERM-BD286	Aflatoxins in Paprika Powder	100 g	2
Analyte		CAS number	Analyte concentration
Aflatoxin B1		1162-65-8	3.72 µg/kg
Aflatoxin G1		1165-39-5	2.4 µg/kg

Product code	Product description	Pack size	Number of analytes
ERM-BD513	Cadmium and Acrylamide in Cocoa	8 g	2
Analyte		CAS number	Analyte concentration
Acrylamide		79-06-1	0.051 mg/kg
Cadmium		7440-43-9	0.181 mg/kg

Product code	Product description	Pack size	Number of analytes
ERM-BD514	Cadmium and Acrylamide in Cocoa	8 g	2
Analyte		CAS number	Analyte concentration
Acrylamide		79-06-1	0.101 mg/kg
Cadmium		7440-43-9	0.514 mg/kg

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Product code	Product description	Pack size	Number of analytes
ERM-BD515	Cadmium and Acrylamide in Cocoa	8 g	2
Analyte		CAS number	Analyte concentration
Acrylamide		79-06-1	0.095 mg/kg
Cadmium		7440-43-9	0.69 mg/kg

Product code	Product description	Pack size	Number of analytes
NIST-1565	Mycotoxins in Corn	2x60 g	1
Analyte		CAS number	Analyte concentration
Ochratoxin A		303-47-9	9.4 ng/g

Product code	Product description	Pack size	Number of analytes
NRC-MYCO-1	Rye flour containing mycotoxins	100 g	1
Analyte		CAS number	Analyte concentration
Ochratoxin A		303-47-9	4.05 µg/kg

Product code	Product description	Analyte	Pack size	CAS number	Analyte concentration
ROM-10003614	DEOXYNIVALENOL IN BARLEY, HIGH LEVEL	Deoxynivalenol	100 g	51481-10-8	3463 µg/kg
ROM-10003615	DEOXYNIVALENOL IN CORN, LOW LEVEL	Deoxynivalenol	100 g	51481-10-8	660 µg/kg
ROM-10003617	DEOXYNIVALENOL IN CORN, HIGH LEVEL	Deoxynivalenol	100 g	51481-10-8	1280 µg/kg
ROM-10003618	DEOXYNIVALENOL IN WHEAT, LOW LEVEL	Deoxynivalenol	100 g	51481-10-8	1009 µg/kg

Product code	Product description	Pack size	Number of analytes
ROM-10003620	FUMONISINS IN CORN, LOW LEVEL	100 g	3
Analyte		CAS number	Analyte concentration
Fumonisin B1		116355-83-0	612 µg/kg
Fumonisin B2		116355-84-1	154 µg/kg
Fumonisin B3		1422359-85-0	72 µg/kg

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Product code	Product description	Pack size	Number of analytes
ROM-10003621	FUMONISINS IN CORN, MID LEVEL	100 g	3
Analyte		CAS number	Analyte concentration
Fumonisin B1		116355-83-0	1008 µg/kg
Fumonisin B2		116355-84-1	260 µg/kg
Fumonisin B3		1422359-85-0	102 µg/kg

Product code	Product description	Pack size	Number of analytes
ROM-10003622	FUMONISINS IN CORN, HIGH LEVEL	100 g	3
Analyte		CAS number	Analyte concentration
Fumonisin B1		116355-83-0	2013 µg/kg
Fumonisin B2		116355-84-1	519 µg/kg
Fumonisin B3		1422359-85-0	258 µg/kg

Product code	Product description	Analyte	Pack size	CAS number	Analyte concentration
ROM-10003624	ZEARELENONE IN CORN, LOW LEVEL	Zearalenone	100 g	17924-92-4	62 µg/kg
ROM-10003626	ZEARELENONE IN CORN, HIGH LEVEL	Zearalenone	100 g	17924-92-4	174 µg/kg

Product code	Product description	Pack size	Number of analytes
ROM-10003627	MULTITOXINS (DON, FUMONISIN, ZON) IN CORN	100 g	5
Analyte		CAS number	Analyte concentration
Deoxynivalenol		51481-10-8	1123 µg/kg
Fumonisin B1		116355-83-0	359 µg/kg
Fumonisin B2		116355-84-1	93 µg/kg
Fumonisin B3		1422359-85-0	35 µg/kg
Zearalenone		17924-92-4	255 µg/kg

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Oil Products

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

Organic Contaminants

Product code	Product description	Pack size	Number of analytes
NIST-3035	Arsenic Species in Apple Juice	5x1.5 g	5
Analyte		CAS number	Analyte concentration
Arsenic		7440-38-2	24.92 µg/kg
Arsenic Acid		7778-39-4	6.35 µg/kg
Arsenous Acid		13464-58-9	5.17 µg/kg
Cacodylic acid		75-60-5	5.23 µg/kg
Methylarsonic Acid		124-58-3	9.38 µg/kg

Pesticides

Product code	Product description	Pack size	Number of analytes
ERM-BB125	Egg Powder (Fipronil)	5 g	2
Analyte		CAS number	Analyte concentration
Fipronil		120068-37-3	0.058 mg/kg
Fipronil Sulfone		120068-36-2	0.06 mg/kg

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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	0.064 mg/kg
alpha-Endosulfan		959-98-8	0.031 mg/kg
Azoxystrobin		131860-33-8	0.639 mg/kg
Carbendazim		10605-21-7	0.074 mg/kg
Chlorpyrifos		2921-88-2	0.064 mg/kg
Cypermethrin		52315-07-8	0.045 mg/kg
Diazinon		333-41-5	0.051 mg/kg
Fenitrothion		122-14-5	0.054 mg/kg
Imazalil		35554-44-0	0.044 mg/kg
Imidacloprid		138261-41-3	0.627 mg/kg
Iprodione		36734-19-7	0.57 mg/kg
Malathion		121-75-5	0.052 mg/kg
Methomyl		16752-77-5	0.059 mg/kg
Tebuconazole		107534-96-3	0.0611 mg/kg
Thiabendazole		148-79-8	0.056 mg/kg

Product code	Product description	Pack size	Number of analytes
ERM-BC700	SOYA BEAN (pesticides)	200 g	11
Analyte		CAS number	Analyte concentration
Azoxystrobin		131860-33-8	0.46 mg/kg
Carbendazim		10605-21-7	0.197 mg/kg
Chlorpyrifos		2921-88-2	0.067 mg/kg
Cypermethrin		52315-07-8	0.052 mg/kg
Diazinon		333-41-5	0.068 mg/kg
Dieldrin		60-57-1	0.075 mg/kg
Endosulfan (alpha + beta)		115-29-7	0.49 mg/kg
Imidacloprid		138261-41-3	0.075 mg/kg
Iprodione		36734-19-7	0.104 mg/kg
Methomyl		16752-77-5	0.046 mg/kg
Tebuconazole		107534-96-3	0.048 mg/kg

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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	241 mg/kg
Daidzin		552-66-9	13400 mg/kg
Genistein		446-72-0	108 mg/kg
Genistin		529-59-9	12700 mg/kg
Glycitein		40957-83-3	211 mg/kg
Glycitin		40246-10-4	3760 mg/kg

POPs

Product code	Product description	Pack size	Number of analytes
ERM-CE102	Fish Tissue (PBDEs)	40g	9
Analyte		CAS number	Analyte concentration
BDE 28		41318-75-6	0.0077 µg/kg
BDE 99		60348-60-9	0.123 µg/kg
BDE 100		189084-64-8	0.06 µg/kg
BDE 153		68631-49-2	0.069 µg/kg
BDE 154		207122-15-4	0.109 µg/kg
BDE 183		207122-16-5	0.014 µg/kg
Fat		N/A	6.9 %
PBDE 47 (2,2',4,4'-Tetrabromodiphenyl ether)		5436-43-1	0.227 µg/kg
PBDE 49		243982-82-3	0.033 µg/kg

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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	639 ng/kg
2,2',4,4',5,5'-Hexabromobiphenyl		59080-40-9	474 ng/kg
2,4'-DDD		53-19-0	427 ng/kg
2,4'-DDE		3424-82-6	400 ng/kg
2,4'-DDT		789-02-6	444 ng/kg
4,4'-DDD		72-54-8	425 ng/kg
4,4'-DDE		72-55-9	8120 ng/kg
4,4'-DDT		50-29-3	703 ng/kg
BDE 100		189084-64-8	1280 ng/kg
BDE 153		68631-49-2	1440 ng/kg
BDE 154		207122-15-4	464 ng/kg
BDE 183		207122-16-5	511 ng/kg
BDE 28		41318-75-6	579 ng/kg
BDE 99		60348-60-9	739 ng/kg
beta-HCH		319-85-7	829 ng/kg
Cis-Chlordane (Alpha Isomer)		5103-71-9	368 ng/kg
cis-Nonachlor		5103-73-1	496 ng/kg
gamma-HCH		58-89-9	588 ng/kg
Hexachlorobenzene		118-74-1	672 ng/kg
Mirex		2385-85-5	515 ng/kg
oxy-Chlordane		27304-13-8	1050 ng/kg
PBDE 17		147217-75-2	401 ng/kg
PBDE 47 (2,2',4,4'-Tetrabromodiphenyl ether)		5436-43-1	2570 ng/kg
PBDE 66		189084-61-5	411 ng/kg
PBDE 85		182346-21-0	473 ng/kg
PBDE 209		1163-19-5	423 ng/kg
PCB No. 28		7012-37-5	519 ng/kg
PCB No. 44		41464-39-5	415 ng/kg
PCB No. 49		41464-40-8	429 ng/kg
PCB No. 52		35693-99-3	425 ng/kg
PCB No. 66		32598-10-0	428 ng/kg
PCB No. 74		32690-93-0	563 ng/kg
PCB No. 87		38380-02-8	457 ng/kg
PCB 99 (2,2',4,4',5-Pentachlorobiphenyl)		38380-01-7	558 ng/kg
PCB No. 101		37680-73-2	442 ng/kg
PCB No. 105		32598-14-4	482 ng/kg
PCB No. 110		38380-03-9	458 ng/kg
PCB No. 118		31508-00-6	597 ng/kg
PCB No. 128		38380-07-3	400 ng/kg
PCB No. 146		51908-16-8	492 ng/kg
PCB No. 149		38380-04-0	408 ng/kg

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Analyte	CAS number	Analyte concentration
PCB No. 151	52663-63-5	417 ng/kg
PCB No. 153	35065-27-1	977 ng/kg
PCB No. 156	38380-08-4	511 ng/kg
PCB No. 157	69782-90-7	467 ng/kg
PCB No. 158	74472-42-7	402 ng/kg
PCB No. 167	52663-72-6	467 ng/kg
PCB No. 170	35065-30-6	507 ng/kg
PCB No. 172	52663-74-8	443 ng/kg
PCB No. 177	52663-70-4	447 ng/kg
PCB No. 178	52663-67-9	449 ng/kg
PCB No. 18	37680-65-2	355 ng/kg
PCB No. 180	35065-29-3	696 ng/kg
PCB No. 183	52663-69-1	445 ng/kg
PCB No. 187	52663-68-0	517 ng/kg
PCB No. 189	39635-31-9	432 ng/kg
PCB No. 194	35694-08-7	482 ng/kg
PCB No. 195	52663-78-2	461 ng/kg
PCB No. 196	42740-50-1	872 ng/kg
PCB 199	52663-75-9	469 ng/kg
PCB No. 206	40186-72-9	465 ng/kg
PCB No. 209	2051-24-3	436 ng/kg
Trans-Chlordane (Gamma Isomer)	5103-74-2	377 ng/kg
trans-Nonachlor	39765-80-5	1700 ng/kg

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	17.6 µg/kg	
1-Methylpyrene	2381-21-7	10.69 µg/kg	
2,2',3,4,4',5'-Hexachlorobiphenyl	35065-28-2	61.5 µg/kg	
2-Methylphenanthrene	2531-84-2	28.2 µg/kg	
3-Methylphenanthrene	832-71-3	24.1 µg/kg	
4,4'-DDD	72-54-8	13.56 µg/kg	
4,4'-DDE	72-55-9	17.37 µg/kg	
4,4'-DDT	50-29-3	6.78 µg/kg	
4,5-Methylenephenanthrene	203-64-5	13.15 µg/kg	
4-Methylpyrene	3353-12-6	19.77 µg/kg	
9-Methylphenanthrene	883-20-5	15.9 µg/kg	
BDE 28	41318-75-6	0.905 µg/kg	
BDE 99	60348-60-9	4.78 µg/kg	

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Analyte	CAS number	Analyte concentration
BDE 153	68631-49-2	0.201 µg/kg
Benz[a]anthracene	56-55-3	31.1 µg/kg
Benzo(c)phenanthrene	195-19-7	23.2 µg/kg
Benzo(e)pyrene	192-97-2	58.9 µg/kg
Benzo(g,h,i)fluoranthene	203-12-3	18.7 µg/kg
Benzo(j)fluoranthene	205-82-3	21.4 µg/kg
Benzo(k)fluoranthene	207-08-9	18.95 µg/kg
Benzo[a]pyrene	50-32-8	9.73 µg/kg
Benzo[b]fluoranthene	205-99-2	41.5 µg/kg
Benzo[ghi]perylene	191-24-2	23.7 µg/kg
Chrysene and Triphenylene	N/A	123.6 µg/kg
Cis-Chlordane (Alpha Isomer)	5103-71-9	8.54 µg/kg
cis-Nonachlor	5103-73-1	1.91 µg/kg
Fluoranthene	206-44-0	287 µg/kg
Hexachlorobenzene	118-74-1	0.113 µg/kg
Mercury	7439-97-6	195 µg/kg
Methylmercury	22967-92-6	69.06 µg/kg
PBDE 49	243982-82-3	1.36 µg/kg
PBDE 209	1163-19-5	1.99 µg/kg
PCB No. 8	34883-43-7	2.01 µg/kg
PCB No. 18	37680-65-2	4.03 µg/kg
PCB No. 44	41464-39-5	16.24 µg/kg
PCB No. 49	41464-40-8	17.1 µg/kg
PCB No. 52	35693-99-3	22.42 µg/kg
PCB No. 66	32598-10-0	20.6 µg/kg
PCB No. 70	32598-11-1	15.45 µg/kg
PCB No. 74	32690-93-0	9.02 µg/kg
PCB No. 87	38380-02-8	14.36 µg/kg
PCB No. 95	38379-99-6	23.72 µg/kg
PCB 99 (2,2',4,4',5-Pentachlorobiphenyl)	38380-01-7	24.51 µg/kg
PCB No. 101	37680-73-2	39.84 µg/kg
PCB No. 105	32598-14-4	16.47 µg/kg
PCB No. 110	38380-03-9	35.88 µg/kg
PCB No. 118	31508-00-6	42.9 µg/kg
PCB No. 128	38380-07-3	8.24 µg/kg
PCB No. 146	51908-16-8	8.07 µg/kg
PCB No. 149	38380-04-0	31.77 µg/kg
PCB No. 151	52663-63-5	5.99 µg/kg
PCB No. 153	35065-27-1	78.8 µg/kg
PCB No. 156	38380-08-4	5.8 µg/kg
PCB No. 170	35065-30-6	2.04 µg/kg
PCB No. 177	52663-70-4	5.48 µg/kg
PCB No. 180	35065-29-3	5.31 µg/kg

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Analyte	CAS number	Analyte concentration
PCB No. 183	52663-69-1	7.06 µg/kg
PCB No. 187	52663-68-0	15.52 µg/kg
PCB No. 194	35694-08-7	0.485 µg/kg
Perylene	198-55-0	6.8 µg/kg
Phenanthrene	85-01-8	74.4 µg/kg
Pyrene	129-00-0	166 µg/kg
Trans-Chlordane (Gamma Isomer)	5103-74-2	7.12 µg/kg
trans-Nonachlor	39765-80-5	5.6 µg/kg

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	N/A	5.81 g/100 g	
Benz[a]anthracene	56-55-3	70.2 ng/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	57.8 ng/g	
Benzo[b]fluoranthene	205-99-2	48 ng/g	
Benzo[ghi]perylene	191-24-2	118.6 ng/g	
Calories	N/A	402 kcal/100 g	
Carbohydrate	N/A	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	14.4 ng/g	
Picene	213-46-7	12.72 ng/g	
Protein	N/A	10.64 g/100 g	
Pyrene	129-00-0	324 ng/g	
Total fat	N/A	5.4 g/100 g	
Triphenylene	217-59-4	29.1 ng/g	

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Proximates

Product code	Product description	Pack size	Number of analytes
LGC7173	Poultry feed - Proximates and elements	50g	16
Analyte		CAS number	Analyte concentration
Ash		N/A	7.224 g/100g
Calcium		7440-70-2	17800 mg/kg
Chloride		16887-00-6	0.23 g/100g
Copper		7440-50-8	14 mg/kg
Crude fibre		N/A	3.75 g/100g
Iron		7439-89-6	148 mg/kg
Magnesium		7439-95-4	2037 mg/kg
Manganese		7439-96-5	90 mg/kg
Moisture		N/A	10.7 g/100g
Nitrogen		7727-37-9	2.559 g/100g
Oil		N/A	4.95 g/100g
Phosphorus		7723-14-0	6590 mg/kg
Potassium		7440-09-7	7480 mg/kg
Sodium		7440-23-5	1180 mg/kg
Starch		N/A	41 g/100g
Zinc		7440-66-6	78 mg/kg

Phytochemicals



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Ginkgo Biloba

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	28.5 mg/g
Ginkgolide A		15291-75-5	11.6 mg/g
Ginkgolide B		15291-77-7	5.92 mg/g
Ginkgolide C		15291-76-6	12.4 mg/g
Ginkgolide J		107438-79-9	3.9 mg/g
Isorhamnetin		480-19-3	10.8 mg/g
Kaempferol		520-18-3	40.8 mg/g
Lead		7439-92-1	4.273 mg/kg
Quercetin		117-39-5	45.1 mg/g

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	1.12 mg/g
Ginkgolide C		15291-76-6	2.36 mg/g
Isorhamnetin		480-19-3	1.9 mg/g
Kaempferol		520-18-3	7.19 mg/g
Lead		7439-92-1	0.7753 µg/g
Quercetin		117-39-5	7.56 mg/g

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Product listings

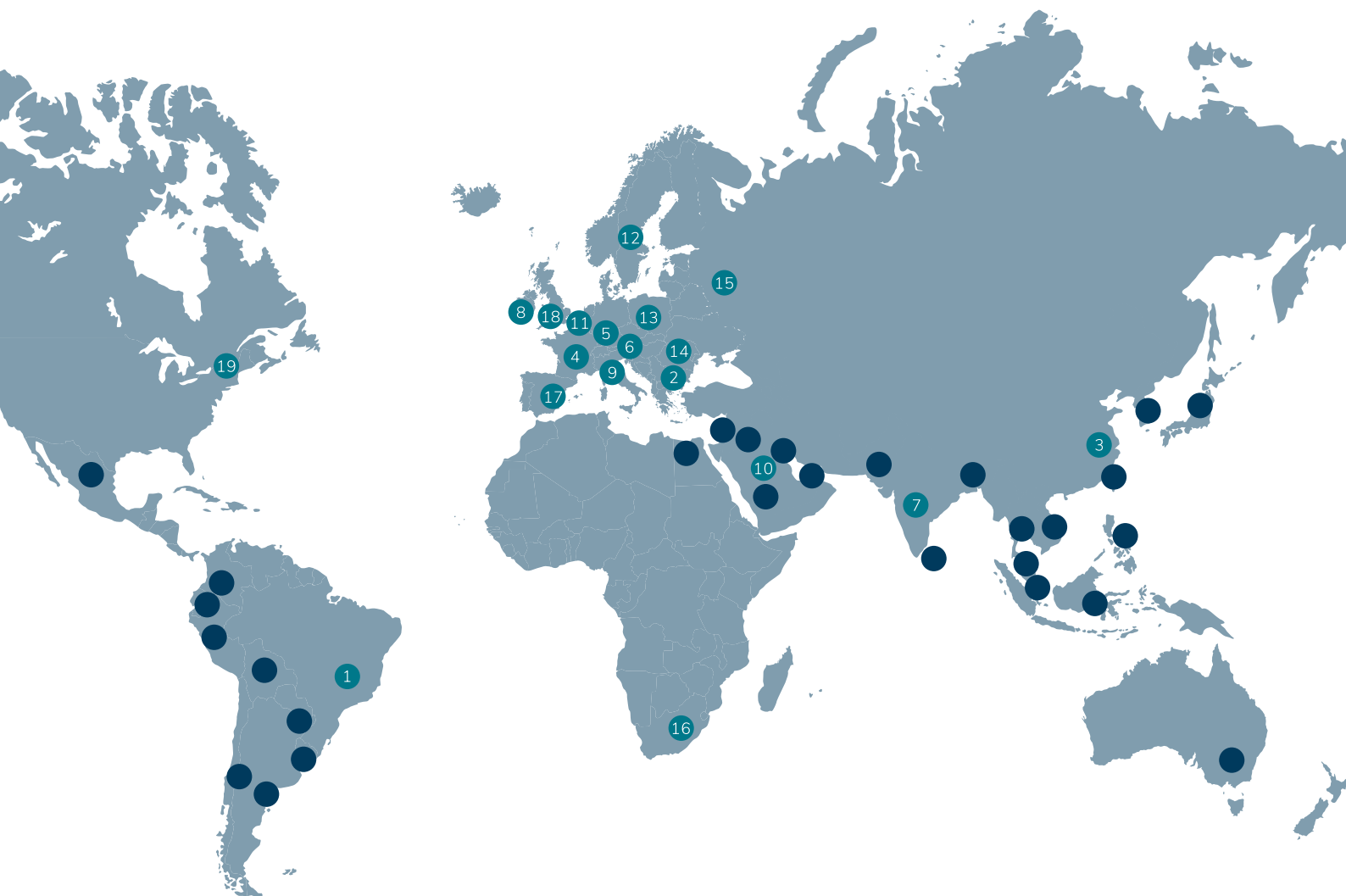
Green Tea

Product code	Product description	Pack size	Number of analytes
NIST-3255	Green tea (<i>Camellia sinensis</i>) extract - Catechins and xanthines	5x1g	11
Analyte		CAS number	Analyte concentration
(-)-Epicatechin		490-46-0	47.3 mg/g
(-)-Epicatechin gallate		1257-08-5	100.3 mg/g
(-)-Epigallocatechin		970-74-1	81.8 mg/g
(-)-Epigallocatechin gallate		989-51-5	422 mg/g
(-)-Gallocatechin		3371-27-5	2 mg/g
(-)-Gallocatechin Gallate		4233-96-9	39 mg/g
(+) -Catechin		154-23-4	9.17 mg/g
Arsenic		7440-38-2	0.1624 mg/kg
Caffeine		58-08-2	36.9 mg/g
Lead		7439-92-1	0.0832 mg/kg
Theobromine		83-67-0	0.867 mg/g

Turmeric

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	18.06 mg/g
Curcumin		458-37-7	815 mg/g
Desmethoxycurcumin		24939-17-1	115.4 mg/g





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