Labmix24 GmbH
Kesseldorfer Rott 24
46499 Hamminkeln
Germany

Tel: +49 (0) 2852 96064 00
Fax: +49 (0) 2852 96064 24
Web: www.labmix24.com
E-Mail: info@labmix24.com

Organic Contaminants in Non-Fortified Human Milk

Art. ID	NIST-1953
Unit	5 vials x 5 mL
Deliverydetails	Dry ice shipment /not restricted

Description

This Standard Reference Material (SRM) is intended for use in evaluating analytical methods for the determination of selected polychlorinated biphenyl (PCB) congeners, chlorinated pesticides, and polybrominated diphenyl ether (PBDE) congeners in human milk and similar matrices. Reference concentration values are provided for polychlorinated dibenzo-p-dioxins (PCDDs) and polychlorinated dibenzofurans (PCDFs), as well as some inorganic constituents. An information concentration value is provided for the PCB mixture Aroclor 1260. All of the constituents for which certified, reference, and information concentration values are provided in NIST-1953 are naturally present in the milk. A unit of NIST-1953 consists of five bottles of approximately 5 mL of frozen non-fortified human milk. Indicative values fo PCBs, PBDEs, selected elements, Dibenzo-p-Dioxin and Dibenzofuran congeners and for Aroclor 1260. /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	2,4,4'-Trichlorobiphenyl (PCB 28)	[7012-37-5]	63,1 ± 1,5	ng/kg		
	2,3',4,4'-Tetrachlorobiphenyl (PCB 66)	[32598-10-0]	32,8 ± 0,9	ng/kg		
	2,4,4',5-Tetrachlorobiphenyl (PCB 74)	[32690-93-0]	149 ± 2	ng/kg		
	2,2',4,4',5-Pentachlorobiphenyl (PCB 99)	[38380-01-7]	138 ± 4	ng/kg		
	2,3,3',4,4'-Pentachlorobiphenyl (PCB 105)	[32598-14-4]	45,7 ± 4,5	ng/kg		
	2,3,3',4',6-Pentachlorobiphenyl (PCB 110)	[38380-03-9]	12,4 ± 0,6	ng/kg		
	2,3',4,4',5-Pentachlorobiphenyl (PCB 118)	[31508-00-6]	213 ± 3	ng/kg		
	2,2',3,4,4',5'-Hexachlorobiphenyl (PCB 138)	[35065-28-2]	317 ± 28	ng/kg		
	2,2',3,4',5,5'-Hexachlorobiphenyl (PCB 146)	[51908-16-8]	55,6 ± 0,5	ng/kg		
	2,2',4,4',5,5'-Hexachlorobiphenyl (PCB 153)	[35065-27-1]	480 ± 11	ng/kg		
	2,3,3',4,4',5-Hexachlorobiphenyl (PCB 156)	[38380-08-4]	59,7 ± 2,6	ng/kg		
	2,3,3',4,4',5'-Hexachlorobiphenyl (PCB 157)	[69782-90-7]	14,6 ± 0,6	ng/kg		

Labmix24 GmbH
Kesseldorfer Rott 24
46499 Hamminkeln
Germany

Tel: +49 (0) 2852 96064 00
Fax: +49 (0) 2852 96064 24
Web: www.labmix24.com
E-Mail: info@labmix24.com

	2,3',4,4',5,5'-Hexachlorobiphenyl (PCB 167)	[52663-72-6]	15,8 ± 2,1	ng/kg
	2,2',3,3',4,5,5'-Heptachlorobiphenyl (PCB 172)	[52663-74-8]	14,8 ± 0,6	ng/kg
	2,2',3,3',4',5,6-Heptachlorobiphenyl (PCB 177)	[52663-70-4]	24,5 ± 2,8	ng/kg
	2,2',3,3',5,5',6-Heptachlorobiphenyl (PCB 178)	[52663-67-9]	22,2 ± 0,6	ng/kg
	2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB 180)	[35065-29-3]	236 ± 17	ng/kg
	2,2',4,4'-Tetrabromodiphenyl ether (PBDE 47)	[5436-43-1]	2200 ± 110	ng/kg
	2,2',4,4',5-Pentabromodiphenyl ether (PBDE 99)	[60348-60-9]	342 ± 4	ng/kg
	2,2',4,4',6-Pentabromodiphenyl ether (PBDE 100)	[189084-64-8]	839 ± 66	ng/kg
	2,2',4,4',5,5'-Hexabromodiphenyl ether (PBDE 153)	[68631-49-2]	984 ± 76	ng/kg
	2,2',4,4',5,6'-Hexabromodiphenyl ether (PBDE 154)	[207122-15-4]	42,8 ± 3,6	ng/kg
	2,2',4,4',5,5'-Hexabromobiphenyl (PBB 153)	[59080-40-9]	36,6 ± 1,3	ng/kg
	Hexachlorobenzene	[118-74-1]	261 ± 26	ng/kg
	beta-HCH	[319-85-7]	610 ± 17	ng/kg
	Oxychlordane	[27304-13-8]	612 ± 59	ng/kg
	cis-Nonachlor	[5103-73-1]	126 ± 5	ng/kg
	trans-Nonachlor	[39765-80-5]	1240 ± 90	ng/kg
	4,4'-DDE	[72-55-9]	7430 ± 360	ng/kg
	4,4'-DDT	[50-29-3]	229 ± 17	ng/kg