Labmix24 GmbH
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Out of Stock - Item is not available at this time - Lake Michigan fish tissue - Organic contaminants

Art. ID	NIST-1947
Unit	5 x 8 g
Deliverydetails	No Dangerous Good (Dry ice shipment) /not restricted

Description

Standard Reference Material (SRM®) 1947 is a frozen fish tissue homogenate, which was prepared from fish collected from Lake Michigan, and is intended primarily for use in evaluating analytical methods for the determination of selected trace elements, methylmercury, total mercury, polychlorinated biphenyl (PCB) congeners, chlorinated pesticides, and polybrominated diphenyl ether (PBDE) congeners, proximates, caloric content and fatty acids in fish tissue and similar matrices. All of the constituents for which certified, reference, and information values are provided are naturally present in the fish tissue homogenate. A unit of NIST-1947 consists of five bottles, each containing approximately 8 g (wet basis) of frozen tissue homogenate. Reference concentrations for PCBs, pesticides, PBDE congeners, pesticides, proximates and caloric content, fat and fatty acids. Certified values /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
wet-mass basis	Arsenic (As)	[7440-38-2]	0,732 ± 0,039	mg/kg		
wet-mass basis	Copper (Cu)	[7440-50-8]	0,411 ± 0,029	mg/kg		
wet-mass basis	Iron (Fe)	[7439-89-6]	3,79 ± 0,42	mg/kg		
wet-mass basis	Mercury (Hg)	[7439-97-6]	0,254 ± 0,005	mg/kg		
wet-mass basis	Manganese (Mn)	[7439-96-5]	0,076 ± 0,004	mg/kg		
wet-mass basis	Rubidium (Rb)	[7440-17-7]	4,51 ± 0,09	mg/kg		
wet-mass basis	Selenium (Se)	[7782-49-2]	0,475 ± 0,084	mg/kg		
wet-mass basis	Zinc (Zn)	[7440-66-6]	2,66 ± 0,08	mg/kg		
wet-mass basis	Methylmercury	[22967-92-6]	0,233 ± 0,010	mg/kg		
wet-mass basis	2,4,4'-Trichlorobipheny l (PCB 28)	[7012-37-5]	14,1 ± 1,0	µg/kg		
wet-mass basis	2,4',5-Trichlorobipheny l (PCB 31)	[16606-02-3]	10,4 ± 1,4	µg/kg		
wet-mass basis	2,2',3,5'-Tetrachlorobi phenyl (PCB 44)	[41464-39-5]	20,4 ± 1,7	µg/kg		
wet-mass basis	2,2',4,5'-Tetrachlorobi phenyl (PCB 49)	[41464-40-8]	27,3 ± 3,8	µg/kg		
wet-mass basis	2,2',5,5'-Tetrachlorobi phenyl (PCB 52)	[35693-99-3]	36,4 ± 4,3	µg/kg		
wet-mass basis	2,3,4',5-Tetrachlorobip henyl (PCB 63)	[74472-34-7]	4,75 ± 0,60	µg/kg		
wet-mass basis	2,3',4,4'-Tetrachlorobi phenyl (PCB 66)	[32598-10-0]	69,4 ± 5,3	µg/kg		

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wet-mass basis	2,4,4',5-Tetrachlorobiphenyl (PCB 74)	[32690-93-0]	33,7 ± 3,1	µg/kg
wet-mass basis	2,2',3,4,5'-Pentachlorobiphenyl (PCB 87)	[38380-02-8]	27,9 ± 1,5	µg/kg
wet-mass basis	2,2',4,4',5-Pentachlorobiphenyl (PCB 99)	[38380-01-7]	78,0 ± 6,0	µg/kg
wet-mass basis	2,2',4,5,5'-Pentachlorobiphenyl (PCB 101)	[37680-73-2]	90,8 ± 0,3	µg/kg
wet-mass basis	2,3,3',4,4'-Pentachlorobiphenyl (PCB 105)	[32598-14-4]	50,3 ± 3,7	µg/kg
wet-mass basis	2,3,3',4',5-Pentachlorobiphenyl (PCB 107)	[70424-68-9]	17,1 ± 1,2	µg/kg
wet-mass basis	2,3,3',4',6-Pentachlorobiphenyl (PCB 110)	[38380-03-9]	94,6 ± 4,3	µg/kg
wet-mass basis	2,3',4,4',5-Pentachlorobiphenyl (PCB 118)	[31508-00-6]	112 ± 6	µg/kg
wet-mass basis	2,2',3,3',4,4'-Hexachlorobiphenyl (PCB 128)	[38380-07-3]	31,6 ± 2,1	µg/kg
wet-mass basis	2,2',3,3',4,6'-Hexachlorobiphenyl (PCB 132)	[38380-05-1]	20,8 ± 2,1	µg/kg
wet-mass basis	2,2',3,4,4',5'-Hexachlorobiphenyl (PCB 138)	[35065-28-2]	162,0 ± 6,9	µg/kg
wet-mass basis	2,2',3,4',5,5'-Hexachlorobiphenyl (PCB 146)	[51908-16-8]	40,5 ± 2,0	µg/kg
wet-mass basis	2,2',3,4',5',6-Hexachlorobiphenyl (PCB 149)	[38380-04-0]	67,1 ± 3,7	µg/kg
wet-mass basis	2,2',4,4',5,5'-Hexachlorobiphenyl (PCB 153)	[35065-27-1]	201 ± 3	µg/kg
wet-mass basis	2,3,3',4,4',5-Hexachlorobiphenyl (PCB 156)	[38380-08-4]	13,3 ± 0,9	µg/kg
wet-mass basis	2,3,3',4,4',6-Hexachlorobiphenyl (PCB 158)	[74472-42-7]	11,3 ± 0,9	µg/kg
wet-mass basis	2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB 170)	[35065-30-6]	29,2 ± 2,4	µg/kg
wet-mass basis	2,2',3,3',4,5,6'-Heptachlorobiphenyl (PCB 174)	[38411-25-5]	18,6 ± 1,7	µg/kg
wet-mass basis	2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB 180)	[35065-29-3]	80,8 ± 5,0	µg/kg

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wet-mass basis	2,2',3,4,4',5',6-Heptachlorobiphenyl (PCB 183)	[52663-69-1]	23,3 ± 1,9	µg/kg
wet-mass basis	2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB 187)	[52663-68-0]	54,8 ± 2,6	µg/kg
wet-mass basis	2,3,3',4',5,5',6-Heptachlorobiphenyl (PCB 193)	[69782-91-8]	6,04 ± 0,23	µg/kg
wet-mass basis	2,2',3,3',4,4',5,5'-Octachlorobiphenyl (PCB 194)	[35694-08-7]	13,2 ± 0,9	µg/kg
wet-mass basis	2,2',3,3',4,4',5,6-Octachlorobiphenyl (PCB 195)	[52663-78-2]	4,95 ± 0,77	µg/kg
wet-mass basis	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (PCB 206)	[40186-72-9]	6,24 ± 0,8	µg/kg
wet-mass basis	Hexachlorobenzene	[118-74-1]	7,48 ± 0,66	µg/kg
wet-mass basis	alpha-HCH	[319-84-6]	1,06 ± 0,12	µg/kg
wet-mass basis	Heptachlor epoxide	[1024-57-3]	13,4 ± 0,8	µg/kg
wet-mass basis	Oxychlordane	[27304-13-8]	23,6 ± 1,5	µg/kg
wet-mass basis	trans-Chlordane (gamma)	[5103-74-2]	12,8 ± 1,2	µg/kg
wet-mass basis	cis-Nonachlor	[5103-73-1]	54,1 ± 7,3	µg/kg
wet-mass basis	trans-Nonachlor	[39765-80-5]	127 ± 6	µg/kg
wet-mass basis	Dieldrin	[60-57-1]	80,8 ± 3,8	µg/kg
wet-mass basis	Mirex	[2385-85-5]	5,09 ± 0,73	µg/kg
wet-mass basis	2,4'-DDE	[3424-82-6]	3,39 ± 0,28	µg/kg
wet-mass basis	4,4'-DDE	[72-55-9]	720 ± 43	µg/kg
wet-mass basis	2,4'-DDD	[53-19-0]	3,31 ± 0,16	µg/kg
wet-mass basis	4,4'-DDD	[72-54-8]	45,9 ± 3,6	µg/kg
wet-mass basis	2,4'-DDT	[789-02-6]	15,7 ± 0,89	µg/kg
wet-mass basis	4,4'-DDT	[50-29-3]	59,5 ± 6,7	µg/kg
wet-mass basis	2,2',4,4'-Tetrabromodiphenyl ether (PBDE 47)	[5436-43-1]	73.3 ± 2.9	µg/kg
wet-mass basis	2,2',4,5'-Tetrabromodiphenyl ether (PBDE 49)	[243982-82-3]	4.01 ± 0.10	µg/kg
wet-mass basis	2,3',4,4'-Tetrabromodiphenyl ether (PBDE 66)	[189084-61-5]	1.85 ± 0.13	µg/kg
wet-mass basis	2,2',4,4',5-Pentabromodiphenyl ether (PBDE 99)	[60348-60-9]	19.2 ± 0.8	µg/kg

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wet-mass basis	2,2',4,4',6-Pentabromodiphenyl ether (PBDE 100)	[189084-64-8]	17.1 ± 0.6	µg/kg	
wet-mass basis	2,2',4,4',5,5'-Hexabromodiphenyl ether (PBDE 153)	[68631-49-2]	3.83 ± 0.04	µg/kg	
wet-mass basis	2,2',4,4',5,6'-Hexabromodiphenyl ether (PBDE 154)	[207122-15-4]	6.88 ± 0.52	µg/kg	