

Tuna homogenate

Art. ID	IAEA-435A
Unit	30 g
Deliverydetails	No Dangerous Good /not restricted

Description

A sample of Tuna (*Thunnus thynnus*) was collected from the Mediterranean Sea in 2004. This sample was freeze-dried, ground, and sieved at 250 µm. The powder was homogenized and aliquots of about 30 g were packed into glass bottles to produce the IAEA-435 reference material.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Certified mass fraction values PCB congeners (based on dry mass)	2,4,4'-Trichlorobiphenyl (PCB 28)	[7012-37-5]	1,32 ± 0,5	µg/kg		
Certified mass fraction values PCB congeners (based on dry mass)	2,4',5-Trichlorobiphenyl (PCB 31)	[16606-02-3]	0,61 ± 0,15	µg/kg		
Certified mass fraction values PCB congeners (based on dry mass)	2,2',5,5'-Tetrachlorobiphenyl (PCB 52)	[35693-99-3]	3,97 ± 0,83	µg/kg		
Certified mass fraction values PCB congeners (based on dry mass)	2,2',4,5,5'-Pentachlorobiphenyl (PCB 101)	[37680-73-2]	23,4 ± 4,8	µg/kg		
Certified mass fraction values PCB congeners (based on dry mass)	2,3,3',4,4'-Pentachlorobiphenyl (PCB 105)	[32598-14-4]	8,3 ± 1,8	µg/kg		
Certified mass fraction values PCB congeners (based on dry mass)	2,3',4,4',5-Pentachlorobiphenyl (PCB 118)	[31508-00-6]	28,0 ± 5,3	µg/kg		
Certified mass fraction values PCB congeners (based on dry mass)	2,2',3,4,4',5'-Hexachlorobiphenyl (PCB 138)	[35065-28-2]	72 ± 15	µg/kg		
Certified mass fraction values PCB congeners (based on dry mass)	2,2',3,4',5',6-Hexachlorobiphenyl (PCB 149)	[38380-04-0]	27,7 ± 5,6	µg/kg		
Certified mass fraction values PCB congeners (based on dry mass)	2,2',4,4',5,5'-Hexachlorobiphenyl (PCB 153)	[35065-27-1]	94 ± 16	µg/kg		
Certified mass fraction	2,3,3',4,4',5-Hexachlorobiphenyl (PCB 153)	[38380-08-4]	3,85 ± 0,73	µg/kg		

values PCB congeners (obiphenyl (PCB 156) based on dry mass)				
Certified mass fraction	2,2',3,3',4,4',5-Heptac	[35065-30-6]	11,8 ± 2,2	µg/kg
values PCB congeners (hlorobiphenyl (PCB 170) based on dry mass)				
Certified mass fraction	2,2',3,4,4',5,5'-Heptac	[35065-29-3]	34,2 ± 6,4	µg/kg
values PCB congeners (hlorobiphenyl (PCB 180) based on dry mass)				
Certified mass fraction	2,2',3,4',5,5',6-Heptac	[52663-68-0]	32,3 ± 8,9	µg/kg
values PCB congeners (hlorobiphenyl (PCB 187) based on dry mass)				
Certified mass fraction	2,2',3,3',4,4',5,5'-Oct	[35694-08-7]	3,84 ± 0,77	µg/kg
values PCB congeners (achlorobiphenyl (PCB 194) based on dry mass)				
Certified mass fraction	Hexachlorobenzene	[118-74-1]	2,65 ± 0,66	µg/kg
values Chlorinated pesticides (based on dry mass)				
Certified mass fraction	4,4'-DDD	[72-54-8]	13,6 ± 3,4	µg/kg
values Chlorinated pesticides (based on dry mass)				
Certified mass fraction	4,4'-DDE	[72-55-9]	134 ± 26	µg/kg
values Chlorinated pesticides (based on dry mass)				
Certified mass fraction	4,4'-DDT	[50-29-3]	18,3 ± 4	µg/kg
values Chlorinated pesticides (based on dry mass)				
Certified mass fraction	2,4'-DDE	[3424-82-6]	2,1 ± 0,56	µg/kg
values Chlorinated pesticides (based on dry mass)				
Certified mass fraction	2,4'-DDD	[53-19-0]	2,67 ± 0,69	µg/kg
values Chlorinated pesticides (based on dry mass)				

Certified mass fraction values Chlorinated pesticides (based on dry mass)	2,4'-DDT	[789-02-6]	7,2 ± 1,8	µg/kg
Certified mass fraction values Chlorinated pesticides (based on dry mass)	Dieldrin	[60-57-1]	5,5 ± 1,6	µg/kg
Certified mass fraction values Chlorinated pesticides (based on dry mass)	cis-Chlordane (alpha)	[5103-71-9]	7,1 ± 2,1	µg/kg
Certified mass fraction values Chlorinated pesticides (based on dry mass)	trans-Nonachlor	[39765-80-5]	20,2 ± 4,6	µg/kg
Certified mass fraction values PBDE congeners (based on dry mass)	2,4,4'-Tribromodiphenyl ether (BDE 28)	[41318-75-6]	1,26 ± 0,25	µg/kg
Certified mass fraction values PBDE congeners (based on dry mass)	2,2',4,4'-Tetrabromodiphenyl ether (BDE 47)	[5436-43-1]	22,9 ± 3,9	µg/kg
Certified mass fraction values PBDE congeners (based on dry mass)	2,3',4,4'-Tetrabromodiphenyl ether (BDE 66)	[189084-61-5]	2,48 ± 0,5	µg/kg
Certified mass fraction values PBDE congeners (based on dry mass)	2,2',4,4',5'-Pentabromodiphenyl ether (BDE 99)	[60348-60-9]	1,44 ± 0,29	µg/kg
Certified mass fraction values PBDE congeners (based on dry mass)	2,2',4,4',6'-Pentabromodiphenyl ether (BDE 100)	[189084-64-8]	7,3 ± 1,3	µg/kg
Certified mass fraction values PBDE congeners (based on dry mass)	2,2',4,4',5,5'-Hexabromodiphenyl ether (BDE 153)	[68631-49-2]	0,7 ± 0,16	µg/kg
Certified mass fraction values PBDE congeners (based on dry mass)	2,2',4,4',5,6'-Hexabromodiphenyl ether (BDE 154)	[207122-15-4]	5,0 ± 1,1	µg/kg