

Certified reference material of Sewage sludge - PCB, PAH and elements

Art. ID	AP-AN-OK01
Unit	40 g
Deliverydetails	No Dangerous Good /not restricted

Description

The certified reference material AN-OK01 was prepared by spiking selected relevant organic compounds into the original natural matrix.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Corrected to a dry mass at 105 °C	2,4,4'-Trichlorobiphenyl (PCB 28)	[7012-37-5]	307 ± 27	µg/kg		
Corrected to a dry mass at 105 °C	2,2',5,5'-Tetrachlorobiphenyl (PCB 52)	[35693-99-3]	111 ± 4	µg/kg		
Corrected to a dry mass at 105 °C	2,2',4,5,5'-Pentachlorobiphenyl (PCB 101)	[37680-73-2]	(276 ± 55)	µg/kg		
Corrected to a dry mass at 105 °C	2,3',4,4',5-Pentachlorobiphenyl (PCB 118)	[31508-00-6]	(41,4 ± 6,5)	µg/kg		
Corrected to a dry mass at 105 °C	2,2',3,4,4',5'-Hexachlorobiphenyl (PCB 138)	[35065-28-2]	231 ± 17	µg/kg		
Corrected to a dry mass at 105 °C	2,2',4,4',5,5'-Hexachlorobiphenyl (PCB 153)	[35065-27-1]	234 ± 15	µg/kg		
Corrected to a dry mass at 105 °C	2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB 180)	[35065-29-3]	303 ± 29	µg/kg		
Corrected to a dry mass at 105 °C	Benzo(a)anthracene	[56-55-3]	1,23 ± 0,15	mg/kg		
Corrected to a dry mass at 105 °C	Benzo(b)fluoranthene	[205-99-2]	3,38 ± 0,28	mg/kg		
Corrected to a dry mass at 105 °C	Benzo(k)fluoranthene	[207-08-9]	1,69 ± 0,12	mg/kg		
Corrected to a dry mass at 105 °C	Benzo(a)pyrene	[50-32-8]	1,81 ± 0,19	mg/kg		
Corrected to a dry mass at 105 °C	Benzo(g,h,i)perylene	[191-24-2]	1,32 ± 0,15	mg/kg		
Corrected to a dry mass at 105 °C	Phenanthrene	[85-01-8]	5,06 ± 0,49	mg/kg		
Corrected to a dry mass at 105 °C	Fluoranthene	[206-44-0]	4,87 ± 0,4	mg/kg		
Corrected to a dry mass	Chrysene	[218-01-9]	3,86 ± 0,24	mg/kg		

at 105 °C				
Corrected to a dry mass	Indeno(1,2,3-c,d)pyrene	[193-39-5]	1,23 ± 0,16	mg/kg
at 105 °C				
Corrected to a dry mass	Naphthalene	[91-20-3]	(0,54 ± 0,12)	mg/kg
at 105 °C				
Corrected to a dry mass	Pyrene	[129-00-0]	5,46 ± 0,41	mg/kg
at 105 °C				
Corrected to a dry mass	Arsenic (As)	[7440-38-2]	10,3 ± 0,3	mg/kg
at 105 °C				
Corrected to a dry mass	Beryllium (Be)	[7440-41-7]	1,02 ± 0,08	mg/kg
at 105 °C				
Corrected to a dry mass	Calcium (Ca)	[7440-70-2]	(23550 ± 980)	mg/kg
at 105 °C				
Corrected to a dry mass	Cadmium (Cd)	[7440-43-9]	6,76 ± 0,47	mg/kg
at 105 °C				
Corrected to a dry mass	Cobalt (Co)	[7440-48-4]	24,5 ± 0,6	mg/kg
at 105 °C				
Corrected to a dry mass	Chromium (Cr)	[7440-47-3]	66,8 ± 3	mg/kg
at 105 °C				
Corrected to a dry mass	Copper (Cu)	[7440-50-8]	205 ± 8	mg/kg
at 105 °C				
Corrected to a dry mass	Mercury (Hg)	[7439-97-6]	2,72 ± 0,25	mg/kg
at 105 °C				
Corrected to a dry mass	Potassium (K)	[7440-09-7]	(3670 ± 480)	mg/kg
at 105 °C				
Corrected to a dry mass	Magnesium (Mg)	[7439-95-4]	(8190 ± 230)	mg/kg
at 105 °C				
Corrected to a dry mass	Molybdenum (Mo)	[7439-98-7]	(6,25 ± 0,58)	mg/kg
at 105 °C				
Corrected to a dry mass	Nickel (Ni)	[7440-02-0]	56,5 ± 2,6	mg/kg
at 105 °C				
Corrected to a dry mass	Lead (Pb)	[7439-92-1]	60,4 ± 2,3	mg/kg
at 105 °C				
Corrected to a dry mass	Vanadium (V)	[7440-62-2]	33,5 ± 2,7	mg/kg
at 105 °C				
Corrected to a dry mass	Zinc (Zn)	[7440-66-6]	675 ± 25	mg/kg
at 105 °C				
Corrected to a dry mass	P total		21900 ± 1000	mg/kg

at 105 °C			
Corrected to a dry mass	N total	(39100 ± 2100)	mg/kg
at 105 °C			
Corrected to a dry mass	LOI	47,4 ± 0,2	%
at 105 °C			