

## **PBDE Congeners in 2,2,4-Trimethylpentane**

Art. ID	NIST-2257
Unit	5 x 1,2 mL
Deliverydetails	ADR Excepted Quantity (EQ) / AIR Excepted Quantity (EQ) UN1262 II E2

### Description

This Standard Reference Material (SRM®) is a solution of 38 polybrominated diphenyl ether (PBDE) congeners in 2,2,4-trimethylpentane. This SRM is intended primarily for use in the calibration of chromatographic instrumentation used for the determination of PBDE congeners. A unit of NIST-2257 consists of five 2-mL ampoules, each containing approximately 1.2 mL of solution. /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	2,2',4-Tribromodiphenyl ether (PBDE 17)	[147217-75-2]	5,87 ± 0,35	µg/g		
	2,3',4-Tribromodiphenyl ether (PBDE 25)	[147217-77-4]	3,19 ± 0,39	µg/g		
	2,4,4'-Tribromodiphenyl ether (PBDE 28)	[41318-75-6]	1,88 ± 0,14	µg/g		
	2,4,6-Tribromodiphenyl ether (PBDE 30)	[n/a]	3,08 ± 0,10	µg/g		
	2,2',4,4'-Tetrabromodiphenyl ether (PBDE 47)	[5436-43-1]	2,09 ± 0,16	µg/g		
	2,2',4,5'-Tetrabromodiphenyl ether (PBDE 49)	[243982-82-3]	3,95 ± 0,31	µg/g		
	2,3',4,4'-Tetrabromodiphenyl ether (PBDE 66)	[189084-61-5]	2,162 ± 0,089	µg/g		
	2,3',4',6-Tetrabromodiphenyl ether (PBDE 71)	[189084-62-6]	2,86 ± 0,10	µg/g		
	2,4,4',5-Tetrabromodiphenyl ether (PBDE 74)	[n/a]	3,56 ± 0,10	µg/g		
	2,4,4',6-Tetrabromodiphenyl ether (PBDE 75)	[189084-63-7]	3,45 ± 0,15	µg/g		
	2,2',3,4,4'-Pentabromodiphenyl ether (PBDE 85)	[182346-21-0]	3,359 ± 0,092	µg/g		
	2,2',3',4,5-Pentabromodiphenyl ether (PBDE 97)	[n/a]		µg/g		
	2,3',4,4',5-Pentabromodiphenyl ether (PBDE 118)	[n/a]	5,29 ± 0,19	µg/g		

2,2',4,4',5-Pentabromodiphenyl ether (PBDE 99)	[60348-60-9]	2,127 ± 0,090	µg/g
2,2',4,4',6-Pentabromodiphenyl ether (PBDE 100)	[189084-64-8]	3,05 ± 0,15	µg/g
2,2',4,5,5'-Pentabromodiphenyl ether (PBDE 101)	[n/a]	3,784 ± 0,080	µg/g
2,3,4,5,6-Pentabromodiphenyl ether (PBDE 116)	[n/a]	3,042 ± 0,067	µg/g
2,3',4,4',6-Pentabromodiphenyl ether (PBDE 119)	[189084-66-0]	4,11 ± 0,14	µg/g
2,2',3,4,4',5'-Hexabromodiphenyl ether (PBDE 138)	[182677-30-1]	2,522 ± 0,053	µg/g
2,2',3,4,4',6-Hexabromodiphenyl ether (PBDE 139)	[446254-96-2]	3,514 ± 0,082	µg/g
2,2',4,4',5,5'-Hexabromodiphenyl ether (PBDE 153)	[68631-49-2]	2,048 ± 0,068	µg/g
2,2',4,4',5,6'-Hexabromodiphenyl ether (PBDE 154)	[207122-15-4]	1,622 ± 0,057	µg/g
2,2',4,4',6,6'-Hexabromodiphenyl ether (PBDE 155)	[35854-94-5]	0,895 ± 0,026	µg/g
2,3,3',4,4',5-Hexabromodiphenyl ether (PBDE 156)	[405237-85-6]	2,77 ± 0,13	µg/g
2,2',3,3',4,5,6-Heptabromodiphenyl ether (PBDE 173)	[n/a]		
2,3,3',4,4',5,6-Heptabromodiphenyl ether (PBDE 190)	[189084-68-2]	3,01 ± 0,13	µg/g
2,2',3,4,4',5,6-Heptabromodiphenyl ether (PBDE 191)	[189084-67-1]	2,859 ± 0,079	µg/g

omodiphenyl ether (PBDE 181)			
2,2',3,4,4',5,6'-Heptab	[n/a]	1,502 ± 0,060	µg/g
romodiphenyl ether (PBD E 182)			
2,2',3,4,4',5,6'-Heptabr	[207122-16-5]	2,183 ± 0,049	µg/g
omodiphenyl ether (PBDE 183)			
2,2',3,4,5,5',6'-Heptabr	[n/a]	2,37 ± 0,18	µg/g
omodiphenyl ether (PBDE 185)			
2,3,3',4,4',5',6'-Heptab	[446255-30-7]	2,085 ± 0,055	µg/g
romodiphenyl ether (PBD E 191)			
2,2',3,3',4,4',5,6'-Oct	[446255-39-6]	2,46 ± 0,11	µg/g
abromodiphenyl ether (P BDE 196)			
2,2',3,3',4,4',6,6'-Oct	[n/a]		
abromodiphenyl ether (P BDE 197)			
2,2',3,4,4',5,6,6'-Octa	[n/a]	2,823 ± 0,070	µg/g
bromodiphenyl ether (PB DE 204)			
2,2',3,3',4,5,5',6'-Octa	[n/a]	1,898 ± 0,057	µg/g
bromodiphenyl ether (PB DE 198)			
2,2',3,4,4',5,5',6'-Octa	[n/a]	1,373 ± 0,034	µg/g
bromodiphenyl ether (PB DE 203)			
2,2',3,3',4,4',5,5',6'-N	[63936-56-1]	1,982 ± 0,063	µg/g
onabromodiphenyl ether (PBDE 206)			
2,2',3,3',4,5,5',6,6'-N	[n/a]	1,108 ± 0,026	µg/g
onabromodiphenyl ether (PBDE 208)			