

PBDE Standards

For GC Analysis

The Chem Service family of PBDE standards are ideal for GC analysis. Polybrominated diphenyl ethers (PBDE) or BDEs, are man-made chemicals used as flame retardants across numerous industries. These compounds are persistent and known to bioaccumulate, making accurate analysis increasingly important for appropriate monitoring and regulation. Whether you are running EPA Method 1614 or a RoHS evaluation, Chem Service PBDE standards deliver the accuracy you need.



Key features

- ▶ Comprehensive coverage of common congeners
- ▶ Available as neats, solutions and mixtures
- ▶ Convenient pack sizes to minimize storage requirements and waste

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Mixtures

Name	CAS Number	Matrix	Size	Part number
EPA Method 1614 PBDE Congeners Mixture	Multiple	Varied Concentration in Propanol	1 mL	M-EPA1614BDEAS99-1ML

Neats & Solutions

Name	CAS Number	Matrix	Size	Part number
2-Bromodiphenyl ether (BDE 1) Solution	7025-06-1	50 µg/mL in Isooctane	1 mL	S-14267K0-1ML
Decabromodiphenyl ether (BDE 209)	1163-19-5	Neat	100 mg	N-15886-100MG
Decabromodiphenyl ether (BDE 209) Solution	1163-19-5	50 µg/mL in Toluene	1 mL	S-15886J0-1ML
2,6-Dibromobiphenyl ether (BDE 10) Solution	51930-04-2	50 µg/mL in Isooctane	1 mL	S-14271K0-1ML
4,4'-Dibromodiphenyl ether (BDE 15)	2050-47-7	50 µg/mL in Isooctane	1 mL	S-12882K0-1ML
2,3,3',4,4',5,6-Heptabromodiphenyl ether (BDE 190) Solution	189084-68-2	50 µg/mL in Isooctane	1 mL	S-13986K0-1ML
2,2',3,4,4',5,6-Heptabromodiphenyl ether (BDE 183) Solution	207122-16-5	50 µg/mL in Isooctane	1 mL	S-14348K0-1ML
2,2',3,4,4',5,6-Heptabromodiphenyl ether (BDE 181) Solution	189084-67-1	50 µg/mL in Isooctane	1 mL	S-13128K0-1ML
2,2',3,4,4',6,6-Heptabromodiphenyl ether (BDE 184) Solution	117948-63-7	50 µg/mL in Isooctane	1 mL	S-14096K0-1ML
2,2',4,4',5,6-Hexabromodiphenyl ether (BDE 154) Solution	207122-15-4	50 µg/mL in Isooctane	1 mL	S-14336K0-1ML

Name	CAS Number	Matrix	Size	Part number
2,2',3,4,4',6-Hexabromodiphenyl ether (BDE 139) Solution	446254-96-2	100 µg/mL in Hexane	1 mL	S-14014J0-1ML
2,2',4,4',5,5'-Hexabromodiphenyl Ether (BDE 153)	68631-49-2	Neat	5 mg	N-14258-5MG
2,2',4,4',5,5'-Hexabromodiphenyl Ether Solution (BDE 153)	68631-49-2	50ug/mL in Isooctane	1 mL	S-14258K0-1ML
2,2',4,4',6,6'-Hexabromodiphenyl ether (BDE 155) Solution	35854-94-5	50 µg/mL in Isooctane	1 mL	S-12896K0-1ML
2,3,3',4,4',6-Hexabromodiphenyl ether (BDE 158) Solution	446255-09-0	50 µg/mL in Hexane	1 mL	S-14015J0-1ML
2,3,4,4',5,6-Hexabromodiphenyl ether (BDE 166) Solution	189084-58-0	50 µg/mL in Isooctane	1 mL	S-13270K0-1ML
2,2',3,4,4',5,6,6'-Octabromodiphenyl Ether (BDE 204) Solution	446255-54-5	100 µg/mL in Hexane	1 mL	S-14028J1-1ML
2,2',4,6,6'-Pentabromodiphenyl ether (BDE 104) Solution	446254-68-8	50 µg/mL in Isooctane	1 mL	S-14036K0-1ML
2,3,4,4',6-Pentabromodiphenyl ether (BDE 115) Solution	446254-78-0	50 µg/mL in Hexane	1 mL	S-14009J0-1ML
2,3,4,5,6-Pentabromodiphenyl ether (BDE 116) Solution	189084-65-9	50 µg/mL in Isooctane	1 mL	S-12879K0-1ML
2,3',4,4',6-Pentabromodiphenyl ether (BDE 119) Solution	189084-66-0	50 µg/mL in Isooctane	1 mL	S-14093K0-1ML
2,3',4,5',6-Pentabromodiphenyl ether (BDE 121) Solution	446254-81-5	100 µg/mL in Hexane	1 mL	S-14034J0-1ML
2,2',4,5',6-Pentabromodiphenyl ether (PBDE 103) Solution	446254-67-7	50 µg/mL in Isooctane	1 mL	S-14249K0-1ML
2,2',4,4',6-Pentabromodiphenyl ether BDE 100 Solution	189084-64-8	50 µg/mL in Isooctane	1 mL	S-13123K0-1ML
2,2',4,6-Tetrabromodiphenyl ether (BDE 050) Solution	446254-23-5	50 µg/mL in Isooctane	1 mL	S-14040K0-1ML

Name	CAS Number	Matrix	Size	Part number
2,2',4,4'-Tetrabromodiphenyl ether (BDE 47)	5436-43-1	Neat	10 mg	N-10522-10MG
2,2',4,4'-Tetrabromodiphenyl ether (BDE 47) Solution	5436-43-1	50 µg/mL in Isooctane	1 mL	S-10522K0-1ML
2,2',4,5'-Tetrabromodiphenyl ether (BDE 49) Solution	243982-82-3	50 µg/mL in Isooctane	1 mL	S-14144K0-1ML
2,2',4,6'-Tetrabromodiphenyl ether (BDE 51) Solution	189084-57-9	50 µg/mL in Isooctane	1 mL	S-13077K0-1ML
2,3,4,6-Tetrabromodiphenyl ether (BDE 62) Solution	446254-33-7	50 µg/mL in Isooctane	1 mL	S-13999K0-1ML
2,3',4,4'-Tetrabromodiphenyl ether (BDE 66) Solution	189084-61-5	50 µg/mL in Isooctane	1 mL	S-12894K0-1ML
2,3',4,6-Tetrabromodiphenyl ether (BDE 69) Solution	327185-09-1	50 µg/mL in Isooctane	1 mL	S-14053K0-1ML
2,3',4',5-tetrabromodiphenyl ether (BDE 70) Solution	446254-39-3	50 µg/mL in Isooctane	1 mL	S-14273K0-1ML
2,3',4',6-Tetrabromodiphenyl ether (BDE-75) Solution	189084-62-6	50 µg/mL in Isooctane	1 mL	S-13272K0-1ML
2,4,4',6-Tetrabromodiphenyl ether (BDE-77) Solution	189084-63-7	50 µg/mL in Isooctane	1 mL	S-13269K0-1ML
3,3',4,4'-Tetrabromodiphenyl ether (BDE 79) Solution	93703-48-1	50 µg/mL in Isooctane	1 mL	S-14113K0-1ML
3,3',4,5'-Tetrabromodiphenyl ether (BDE 79) Solution	446254-48-4	100 µg/mL in Hexane	1 mL	S-14017J0-1ML

Name	CAS Number	Matrix	Size	Part number
2,4,4'-Tribromodiphenyl ether (BDE-028) Solution	41318-75-6	50 µg/mL in Isooctane	1 mL	S-12874K0-1ML
2,4,6-Tribromodiphenyl ether (BDE-030) Solution	155999-95-4	50 µg/mL in Isooctane	1 mL	S-12862K0-1ML
2,2',4-Tribromodiphenyl ether (BDE 17)	147217-75-2	Neat	10 mg	N-14191-10MG
2,2',4-Tribromodiphenyl ether Solution (BDE 17)	147217-75-2	50 µg/mL in Isooctane	1 mL	S-14191K0-1ML
2,3',4-Tribromodiphenyl ether (BDE 25)	147217-77-4	Neat	10 mg	N-14147-10MG
2,3',4-Tribromodiphenyl ether (BDE 25) Solution	147217-77-4	50 µg/mL in Isooctane	1 mL	S-14147K0-1ML
2,4',6-Tribromodiphenyl ether (BDE-32)	189084-60-4	Neat	10 mg	N-13066-10MG
2,4',6-Tribromodiphenyl ether (BDE-32) Solution	189084-60-4	50 µg/mL in Isooctane	1 mL	S-13066K0-1ML
3',4',4-Tribromodiphenyl ether (BDE-37) Solution	147217-81-0	100 µg/mL in Isooctane	1 mL	S-13993K1-1ML