

## **Method 1614 Calibration Solutions (13C12, 99%/unlabeled) [CS1-CS5]**

Art. ID CIL-EO-5279  
Unit 5 x 0,2 mL  
Deliverydetails De Minimis UN1920 III E1

### Description

Chemical purity: 98%

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
CS1, BDE 28	2,4,4'-Tribromodiphenyl Ether	[41318-75-6]	1	ng/mL		
CS1, BDE 47	2,2',4,4'-Tetrabromodiphenyl Ether	[5436-43-1]	1	ng/mL		
CS1, BDE 99	2,2',4,4',5-Pentabromodiphenyl Ether	[60348-60-9]	1	ng/mL		
CS1, BDE 100	2,2',4,4',6-Pentabromodiphenyl Ether	[189084-64-8]	1	ng/mL		
CS1, BDE 153	2,2',4,4',5,5'-Hexabromodiphenyl Ether	[68631-49-2]	1	ng/mL		
CS1, BDE 154	2,2',4,4',5,6'-Hexabromodiphenyl Ether	[207122-15-4]	1	ng/mL		
CS1, BDE 183	2,2',3,4,4',5,6-Heptabromodiphenyl Ether	[207122-16-5]	1	ng/mL		
CS1, BDE 209	Decabromodiphenyl ether (BDE 209)	[1163-19-5]	10	ng/mL		
CS1, BDE 28L	2,4,4'-Tribromodiphenyl ether (13C12,99%) (BDE 28)	[41318-75-6]/unlabelled	100	ng/mL		
CS1, BDE 47L	2,2',4,4'-Tetrabromodiphenyl ether (13C12,99%) (BDE 47)	[5436-43-1]/unlabelled	100	ng/mL		
CS1, BDE 99L	2,2',4,4',5-Pentabromodiphenyl ether (13C12,99%) (BDE 99)	[60348-60-9]/unlabelled	100	ng/mL		
CS1, BDE 100L	2,2',4,4',6-Pentabromodiphenyl ether (13C12,99%) (BDE 100)	[189084-64-8]/unlabelled	100	ng/mL		
CS1, BDE 153L	2,2',4,4',5,5'-Hexabromodiphenyl ether (13C12,99%) (BDE 153)	[68631-49-2]/unlabelled	100	ng/mL		

	odiphenyl ether (13C12, 99%) (BDE 153)	labelled		
CS1, BDE 154L	2,2',4,4',5,6'-Hexabromodiphenyl ether (13C12, 99%) (BDE 154)	[488710-23-2]	100	ng/mL
CS1, BDE 183L	2,2',3,4,4',5',6'-Heptabromodiphenyl ether (13C12, 99%) (BDE 183)	[207122-16-5]/unlabelled	100	ng/mL
CS1, BDE 209L	Decabromodiphenyl ether (13C12,99%) (BDE 209)	[1163-19-5]/unlabelled	1000	ng/mL
CS1, Labeled Clean-up, BDE 139L	2,2',3,4,4',6'-Hexabromodiphenyl ether (13C12,99%) (BDE 139)	[446254-96-2]/unlabelled	100	ng/mL
CS1, Labeled Injection Internal, PCB-52L	2,2',5,5'-Tetrachlorobiphenyl (13C12,99%) (IUPAC #52)	[208263-80-3]	100	ng/mL
CS1, Labeled Injection Internal, PCB-138L	2,2',3,4,4',5'-Hexachlorobiphenyl (13C12,99%) (IUPAC #138)	[208263-66-5]	100	ng/mL
CS2, BDE 28	2,4,4'-Tribromodiphenyl Ether	[41318-75-6]	5	ng/mL
CS2, BDE 47	2,2',4,4'-Tetrabromodiphenyl Ether	[5436-43-1]	5	ng/mL
CS2, BDE 99	2,2',4,4',5'-Pentabromodiphenyl Ether	[60348-60-9]	5	ng/mL
CS2, BDE 100	2,2',4,4',6'-Pentabromodiphenyl Ether	[189084-64-8]	5	ng/mL
CS2, BDE 153	2,2',4,4',5,5'-Hexabromodiphenyl Ether	[68631-49-2]	5	ng/mL
CS2, BDE 154	2,2',4,4',5,6'-Hexabromodiphenyl Ether	[207122-15-4]	5	ng/mL
CS2, BDE 183	2,2',3,4,4',5',6'-Heptabromodiphenyl Ether	[207122-16-5]	5	ng/mL
CS2, BDE 209	Decabromodiphenyl ether (BDE 209)	[1163-19-5]	50	ng/mL
CS2, BDE 28L	2,4,4'-Tribromodiphenyl ether (13C12,99%) (BDE 28)	[41318-75-6]/unlabelled	100	ng/mL

CS2, BDE 47L	2,2',4,4'-Tetrabromodiphenyl ether (13C12,99%) (BDE 47)	[5436-43-1]/unlabelled	100	ng/mL
CS2, BDE 99L	2,2',4,4',5-Pentabromodiphenyl ether (13C12,99%) (BDE 99)	[60348-60-9]/unlabelled	100	ng/mL
CS2, BDE 100L	2,2',4,4',6-Pentabromodiphenyl ether (13C12,99%) (BDE 100)	[189084-64-8]/unlabelled	100	ng/mL
CS2, BDE 153L	2,2',4,4',5,5'-Hexabromodiphenyl ether (13C12,99%) (BDE 153)	[68631-49-2]/unlabelled	100	ng/mL
CS2, BDE 154L	2,2',4,4',5,6'-Hexabromodiphenyl ether (13C12,99%) (BDE 154)	[488710-23-2]	100	ng/mL
CS2, BDE 183L	2,2',3,4,4',5,6'-Heptabromodiphenyl ether (13C12,99%) (BDE 183)	[207122-16-5]/unlabelled	100	ng/mL
CS2, BDE 209L	Decabromodiphenyl ether (13C12,99%) (BDE 209)	[1163-19-5]/unlabelled	1000	ng/mL
CS2, Labeled Clean-up, BDE 139L	2,2',3,4,4',6-Hexabromodiphenyl ether (13C12,99%) (BDE 139)	[446254-96-2]/unlabelled	100	ng/mL
CS2, Labeled Injection Internal, PCB-52L	2,2',5,5'-Tetrachlorobiphenyl (13C12,99%) (IUPAC #52)	[208263-80-3]	100	ng/mL
CS2, Labeled Injection Internal, PCB-138L	2,2',3,4,4',5'-Hexachlorobiphenyl (13C12,99%) (IUPAC #138)	[208263-66-5]	100	ng/mL
CS3, BDE 28	2,4,4'-Tribromodiphenyl Ether	[41318-75-6]	50	ng/mL
CS3, BDE 47	2,2',4,4'-Tetrabromodiphenyl Ether	[5436-43-1]	50	ng/mL
CS3, BDE 99	2,2',4,4',5-Pentabromodiphenyl Ether	[60348-60-9]	50	ng/mL
CS3, BDE 100	2,2',4,4',6-Pentabromodiphenyl Ether	[189084-64-8]	50	ng/mL
CS3, BDE 153	2,2',4,4',5,5'-Hexabromodiphenyl Ether	[68631-49-2]	50	ng/mL

	odiphenyl Ether			
CS3, BDE 154	2,2',4,4',5,6'-Hexabromodiphenyl Ether	[207122-15-4]	50	ng/mL
	odiphenyl Ether			
CS3, BDE 183	2,2',3,4,4',5,6'-Heptabromodiphenyl Ether	[207122-16-5]	50	ng/mL
	romodiphenyl Ether			
CS3, BDE 209	Decabromodiphenyl ether (BDE 209)	[1163-19-5]	500	ng/mL
CS3, BDE 28L	2,4,4'-Tribromodiphenyl ether (13C12,99%) (BDE 28)	[41318-75-6]/unlabelled	100	ng/mL
CS3, BDE 47L	2,2',4,4'-Tetrabromodiphenyl ether (13C12,99%) (BDE 47)	[5436-43-1]/unlabelled	100	ng/mL
CS3, BDE 99L	2,2',4,4',5-Pentabromodiphenyl ether (13C12,99%) (BDE 99)	[60348-60-9]/unlabelled	100	ng/mL
CS3, BDE 100L	2,2',4,4',6-Pentabromodiphenyl ether (13C12,99%) (BDE 100)	[189084-64-8]/unlabelled	100	ng/mL
CS3, BDE 153L	2,2',4,4',5,5'-Hexabromodiphenyl ether (13C12,99%) (BDE 153)	[68631-49-2]/unlabelled	100	ng/mL
CS3, BDE 154L	2,2',4,4',5,6'-Hexabromodiphenyl ether (13C12,99%) (BDE 154)	[488710-23-2]	100	ng/mL
CS3, BDE 183L	2,2',3,4,4',5,6'-Heptabromodiphenyl ether (13C12,99%) (BDE 183)	[207122-16-5]/unlabelled	100	ng/mL
CS3, BDE 209L	Decabromodiphenyl ether (13C12,99%) (BDE 209)	[1163-19-5]/unlabelled	1000	ng/mL
CS3, Labeled Clean-up, BDE 139L	2,2',3,4,4',6-Hexabromodiphenyl ether (13C12,99%) (BDE 139)	[446254-96-2]/unlabelled	100	ng/mL
CS3, Labeled Injection Internal, PCB-52L	2,2',5,5'-Tetrachlorobiphenyl (13C12,99%) (IUPAC #52)	[208263-80-3]	100	ng/mL
CS3, Labeled Injection Internal, PCB-138L	2,2',3,4,4',5'-Hexachlorobiphenyl (13C12,99%)	[208263-66-5]	100	ng/mL

	(IUPAC #138)			
CS4, BDE 28	2,4,4'-Tribromodiphenyl Ether	[41318-75-6]	500	ng/mL
CS4, BDE 47	2,2',4,4'-Tetrabromodiphenyl Ether	[5436-43-1]	500	ng/mL
CS4, BDE 99	2,2',4,4',5-Pentabromodiphenyl Ether	[60348-60-9]	500	ng/mL
CS4, BDE 100	2,2',4,4',6-Pentabromodiphenyl Ether	[189084-64-8]	500	ng/mL
CS4, BDE 153	2,2',4,4',5,5'-Hexabromodiphenyl Ether	[68631-49-2]	500	ng/mL
CS4, BDE 154	2,2',4,4',5,6'-Hexabromodiphenyl Ether	[207122-15-4]	500	ng/mL
CS4, BDE 183	2,2',3,4,4',5',6-Heptabromodiphenyl Ether	[207122-16-5]	500	ng/mL
CS4, BDE 209	Decabromodiphenyl ether (BDE 209)	[1163-19-5]	5000	ng/mL
CS4, BDE 28L	2,4,4'-Tribromodiphenyl ether (13C12,99%) (BDE 28)	[41318-75-6]/unlabelled	100	ng/mL
CS4, BDE 47L	2,2',4,4'-Tetrabromodiphenyl ether (13C12,99%) (BDE 47)	[5436-43-1]/unlabelled	100	ng/mL
CS4, BDE 99L	2,2',4,4',5-Pentabromodiphenyl ether (13C12,99%) (BDE 99)	[60348-60-9]/unlabelled	100	ng/mL
CS4, BDE 100L	2,2',4,4',6-Pentabromodiphenyl ether (13C12,99%) (BDE 100)	[189084-64-8]/unlabelled	100	ng/mL
CS4, BDE 153L	2,2',4,4',5,5'-Hexabromodiphenyl ether (13C12,99%) (BDE 153)	[68631-49-2]/unlabelled	100	ng/mL
CS4, BDE 154L	2,2',4,4',5,6'-Hexabromodiphenyl ether (13C12,99%) (BDE 154)	[488710-23-2]	100	ng/mL
CS4, BDE 183L	2,2',3,4,4',5',6-Heptabromodiphenyl ether (13C12,99%) (BDE 183)	[207122-16-5]/unlabelled	100	ng/mL

CS4, BDE 209L	Decabromodiphenyl ether (13C12,99%) (BDE 209)	[1163-19-5]/unl abelled	1000	ng/mL
CS4, Labeled Clean-up, BDE 139L	2,2',3,4,4',6-Hexabromo diphenyl ether (13C12,9 9%) (BDE 139)	[446254-96-2]/u nlabelled	100	ng/mL
CS4, Labeled Injection Internal, PCB-52L	2,2',5,5'-Tetrachlorobi phenyl (13C12,99%) (IUP AC #52)	[208263-80-3]	100	ng/mL
CS4, Labeled Injection Internal, PCB-138L	2,2',3,4,4',5'-Hexachlo robiphenyl (13C12,99%) (IUPAC #138)	[208263-66-5]	100	ng/mL
CS5, BDE 28	2,4,4'-Tribromodiphenyl Ether	[41318-75-6]	2500	ng/mL
CS5, BDE 47	2,2',4,4'-Tetrabromodip henyl Ether	[5436-43-1]	2500	ng/mL
CS5, BDE 99	2,2',4,4',5'-Pentabromod iphenyl Ether	[60348-60-9]	2500	ng/mL
CS5, BDE 100	2,2',4,4',6'-Pentabromod iphenyl Ether	[189084-64-8]	2500	ng/mL
CS5, BDE 153	2,2',4,4',5,5'-Hexabrom odiphenyl Ether	[68631-49-2]	2500	ng/mL
CS5, BDE 154	2,2',4,4',5,6'-Hexabrom odiphenyl Ether	[207122-15-4]	2500	ng/mL
CS5, BDE 183	2,2',3,4,4',5',6'-Heptab romodiphenyl Ether	[207122-16-5]	2500	ng/mL
CS5, BDE 209	Decabromodiphenyl ether (BDE 209)	[1163-19-5]	25000	ng/mL
CS5, BDE 28L	2,4,4'-Tribromodiphenyl ether (13C12,99%) (BDE 28)	[41318-75-6]/un labelled	100	ng/mL
CS5, BDE 47L	2,2',4,4'-Tetrabromodip henyl ether (13C12,99%) (BDE 47)	[5436-43-1]/unl abelled	100	ng/mL
CS5, BDE 99L	2,2',4,4',5'-Pentabromod iphenyl ether (13C12,99 %) (BDE 99)	[60348-60-9]/un labelled	100	ng/mL
CS5, BDE 100L	2,2',4,4',6'-Pentabromod iphenyl ether (13C12,99 nlabelled)	[189084-64-8]/u nlabelled	100	ng/mL

	%) (BDE 100)				
CS5, BDE 153L	2,2',4,4',5,5'-Hexabromodiphenyl ether (13C12, 99%) (BDE 153)	[68631-49-2]/unlabelled	100		ng/mL
CS5, BDE 154L	2,2',4,4',5,6'-Hexabromodiphenyl ether (13C12, 99%) (BDE 154)	[488710-23-2]	100		ng/mL
CS5, BDE 183L	2,2',3,4,4',5',6-Heptabromodiphenyl ether (13C12, 99%) (BDE 183)	[207122-16-5]/unlabelled	100		ng/mL
CS5, BDE 209L	Decabromodiphenyl ether (13C12, 99%) (BDE 209)	[1163-19-5]/unlabelled	1000		ng/mL
CS5, Labeled Clean-up, BDE 139L	2,2',3,4,4',6-Hexabromodiphenyl ether (13C12, 99%) (BDE 139)	[446254-96-2]/unlabelled	100		ng/mL
CS5, Labeled Injection Internal, PCB-52L	2,2',5,5'-Tetrachlorobiphenyl (13C12, 99%) (IUPAC #52)	[208263-80-3]	100		ng/mL
CS5, Labeled Injection Internal, PCB-138L	2,2',3,4,4',5'-Hexachlorobiphenyl (13C12, 99%) (IUPAC #138)	[208263-66-5]	100		ng/mL