

## **JECS PCB/POPS/PBDE CALIBRATION STANDARD CS4L ((unlabelled)/13C, 99%) in Nonane**

Art. ID CIL-ES-5620-A-CS4L  
Unit 0,25 mL  
Deliverydetails De Minimis UN1920 III E1

### Description

Chemical purity: 98%

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
CS4	2,4,4'-Trichlorobiphenyl (PCB 28)	[7012-37-5]	0,2	ng/mL		
CS4	2,2',5,5'-Tetrachlorobiphenyl (PCB 52)	[35693-99-3]	0,2	ng/mL		
CS4	2,4,4',5-Tetrachlorobiphenyl (PCB 74)	[32690-93-0]	0,2	ng/mL		
CS4	2,2',4,4',5-Pentachlorobiphenyl (PCB 99)	[38380-01-7]	0,2	ng/mL		
CS4	2,2',4,5,5'-Pentachlorobiphenyl (PCB 101)	[37680-73-2]	0,2	ng/mL		
CS4	2,3,3',4,4'-Pentachlorobiphenyl (PCB 105)	[32598-14-4]	0,2	ng/mL		
CS4	2,3,4,4',5-Pentachlorobiphenyl (PCB 118)	[31508-00-6]	0,2	ng/mL		
CS4	2,2',3,4,4',5'-Hexachlorobiphenyl (PCB 138)	[35065-28-2]	0,2	ng/mL		
CS4	2,2',3,4',5,5'-Hexachlorobiphenyl (PCB 146)	[51908-16-8]	0,2	ng/mL		
CS4	2,2',4,4',5,5'-Hexachlorobiphenyl (PCB 153)	[35065-27-1]	0,2	ng/mL		
CS4	2,3,3',4,4',5-Hexachlorobiphenyl (PCB 156)	[38380-08-4]	0,2	ng/mL		
CS4	2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB 170)	[35065-30-6]	0,2	ng/mL		
CS4	2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB 180)	[35065-29-3]	0,2	ng/mL		
CS4	2,2',3,4,4',5,6-Heptachlorobiphenyl (PCB 183)	[52663-69-1]	0,2	ng/mL		
CS4	2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB 183)	[52663-68-0]	0,2	ng/mL		

	chlorobiphenyl (PCB 187)			
CS4	2,2',3,3',4,4',5,5'-Octachlorobiphenyl (PCB 194)	[35694-08-7]	0,2	ng/mL
CS4	2,2',3,3',4,5,5',6'-Octachlorobiphenyl (PCB 201a)		0,2	ng/mL
CS4	2,2',3,4,4',5,5',6-Octachlorobiphenyl (PCB 203)	[52663-76-0]	0,2	ng/mL
CS4	Hexachlorobenzene	[118-74-1]	0,4	ng/mL
CS4	beta-HCH (beta-BHC)	[319-85-7]	0,4	ng/mL
CS4	4,4'-DDE	[72-55-9]	0,4	ng/mL
CS4	trans-Nonachlor	[39765-80-5]	0,4	ng/mL
CS4	cis-Nonachlor	[5103-73-1]	0,4	ng/mL
CS4	4,4'-DDT	[50-29-3]	0,4	ng/mL
CS4	Oxychlorodane	[27304-13-8]	1	ng/mL
CS4	2,2',4,4'-Tetrabromodiphenyl ether (BDE 47)	[5436-43-1]	1	ng/mL
CS4	2,2',4,4',5-Pentabromodiphenyl ether (BDE 99)	[60348-60-9]	1	ng/mL
CS4	2,2',4,4',5,5'-Hexabromodiphenyl ether (BDE 153)	[68631-49-2]	1	ng/mL
CS4	2,4,4'-Trichlorobiphenyl I (13C12,99%) (IUPAC #28)	[208263-76-7]	2	ng/mL
CS4	2,2',5,5'-Tetrachlorobiphenyl (13C12,99%) (PCB 52)		2	ng/mL
CS4	2,3',4',5'-Tetrachlorobiphenyl (13C12,99%) (IUPAC #70)	[208263-81-4]	2	ng/mL
CS4	2,2',4,5,5'-Pentachlorobiphenyl (13C12,99%) (IUPAC #101)	[104130-39-4]	2	ng/mL
CS4	2,3,3',4,4'-Pentachlorobiphenyl (13C12,99%) (IUPAC #102)	[208263-62-1]	2	ng/mL

	UPAC #105)			
CS4	2,3',4,4',5-Pentachloro biphenyl (13C12,99%) (UPAC #118)	[104130-40-7]	2	ng/mL
CS4	2,2',3,4,4',5'-Hexachlorobiphenyl (13C12,99%) (IUPAC #138)	[208263-66-5]	2	ng/mL
CS4	2,2',4,4',5,5'-Hexachlorobiphenyl (13C12,99%) (IUPAC #153)	[185376-58-3]	2	ng/mL
CS4	2,3,3',4,4',5-Hexachlorobiphenyl (13C12,99%) (IUPAC #156)	[208263-68-7]	2	ng/mL
CS4	2,2',3,3',4,4',5-Heptachlorobiphenyl (13C12,99%) (IUPAC #170)	[35065-30-6]/unlabelled	2	ng/mL
CS4	2,2',3,4,4',5,5'-Heptachlorobiphenyl (13C12,99%) (IUPAC #180)	[208263-72-3]	2	ng/mL
CS4	2,2',3,4,4',5,6'-Heptachlorobiphenyl (13C12,99%) (PCB 182)		2	ng/mL
CS4	2,2',3,3',4,4',5,5'-Octachlorobiphenyl (13C12,99%) (IUPAC #194)	[208263-74-5]	2	ng/mL
CS4	Hexachlorobenzene (13C6,99%)	[93952-14-8]	4	ng/mL
CS4	beta-HCH (beta-BHC) (13C6,99%)	[222966-68-9]	4	ng/mL
CS4	4,4'-DDE (ring-13C12,99%)	[201612-50-2]	4	ng/mL
CS4	trans-Nonachlor (13C10,99%)	[1262969-06-1]	4	ng/mL
CS4	cis-Nonachlor (13C10,99%)	[2484171-06-2]	4	ng/mL
CS4	4,4'-DDT (ring-13C12,99%)	[104215-84-1]	4	ng/mL
CS4	Oxychlorodane (13C10,99%)	[2483735-99-3]	10	ng/mL

CS4	2,2',4,4'-Tetrabromodiphenyl ether (13C12,99%) (BDE 47)	[5436-43-1]/unlabelled	10	ng/mL
CS4	2,2',4,4',5-Pentabromodiphenyl ether (13C12,99%) (BDE 99)	[60348-60-9]/unlabelled	10	ng/mL
CS4	2,2',4,4',5,5'-Hexabromodiphenyl ether (13C12,99%) (BDE 153)	[68631-49-2]/unlabelled	10	ng/mL
CS4	2,5-Dichlorobiphenyl (13C12,99%) (IUPAC #9)	[250694-89-4]	2	ng/mL
CS4	2,4',6-Trichlorobiphenyl (13C12,99%) (IUPAC #32)	[n/a]	2	ng/mL
CS4	2,2',4,4'-Tetrachlorobiphenyl (13C12,99%) (IUPAC #47)	[n/a]	2	ng/mL
CS4	2,3,3',5,5'-Pentachlorobiphenyl (13C12,99%) (IUPAC #111)	[235416-29-2]	2	ng/mL
CS4	2,2',3,3',4,4'-Hexachlorobiphenyl (13C12,99%) (IUPAC #128)	[38380-07-3]/unlabelled	2	ng/mL
CS4	2,3,3',4,4',5,5'-Heptachlorobiphenyl (13C12,99%) (IUPAC #189)	[208263-73-4]	2	ng/mL
CS4	2,2',4,4',5,6'-Hexabromodiphenyl ether (13C12,99%) (BDE 154)	[488710-23-2]	10	ng/mL