

Date Received: _____

Certificate of Analysis

Rev 0

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Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
SR00500	141906	≤ -10 Degrees C	Isooctane	4-Jan-2012	Custom PCB Congener Mix, 42-11, 10 mg/L, 10 x 5 ml
-297					
-5X10ML					

Compound	CAS No.	Purity (%)	Neat Material Lot No.	Concentration
2,2',3,3',4',5,6-heptachlorobiphenyl (BZ# 177)	52663-70-4	100	833.5.2.3P	10 ± .31 mg/L
2,2',3,3',4,4',5-heptachlorobiphenyl (BZ# 170)	35065-30-6	99	526.4.1P	9.996 ± .32 mg/L
2,2',3,3',4,5,6'-heptachlorobiphenyl (BZ# 174)	38411-25-5	100	830.5.3.1P	10 ± .33 mg/L
2,2',3,4',5,5',6-heptachlorobiphenyl (BZ# 187)	52663-68-0	97	542.4.1P	10.04 ± .34 mg/L
2,2',3,4,4',5',6-heptachlorobiphenyl (BZ# 183)	52663-69-1	99	664.5.5.2P	10.06 ± .38 mg/L
2,2',3,4,4',5,5'-heptachlorobiphenyl (BZ# 180)	35065-29-3	99	527.4.1P	9.991 ± .32 mg/L
2,3,3',4,4',5,5'-heptachlorobiphenyl (BZ# 189)	39635-31-9	99	656.5.3.1P	9.994 ± .32 mg/L
2,2',3,3',4,4'-hexachlorobiphenyl (BZ# 128)	38380-07-3	100	523.5.1.2P	10.01 ± .22 mg/L
2,2',3,4',5',6-hexachlorobiphenyl (BZ# 149)	38380-04-0	100	811.5.4P	10 ± .32 mg/L
2,2',3,4',5,5'-hexachlorobiphenyl (BZ# 146)	51908-16-8	99	808.4.1P	9.991 ± .32 mg/L
2,2',3,4,4',5'-hexachlorobiphenyl (BZ# 138)	35065-28-2	99	541.4.1P	10.03 ± .3 mg/L
2,2',3,4,5,5'-hexachlorobiphenyl (BZ# 141)	52712-04-6	99	803.5.2.2P	9.996 ± .32 mg/L
2,2',3,5,5',6-hexachlorobiphenyl (BZ# 151)	52663-63-5	100	813.5.3P	10 ± .32 mg/L
2,2',4,4',5,5'-hexachlorobiphenyl (BZ# 153)	35065-27-1	99	525.4.1P	10 ± .24 mg/L
2,3',4,4',5,5'-hexachlorobiphenyl (BZ# 167)	52663-72-6	99	655.4.1P	9.994 ± .32 mg/L
2,3,3',4',5,6-hexachlorobiphenyl (BZ# 163)	74472-44-9	99.6	822.257.1P	9.999 ± .32 mg/L

Follow all storage requirements, keep tightly closed when not in use, and use good laboratory practices when handling.
 This Reference Material was manufactured, produced, and/or certified under a quality management system that is accredited to ISO 17034 and ISO/IEC 17025.

Certified By: _____
 Lindsay Edwards
 Manufacture Date 30-Dec-2008

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
 Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.
 The stated uncertainty is the expanded uncertainty with a coverage factor of two to give a 95% confidence level.

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Catalog No.: SR00500-297

Lot No.: 141906

Expiration Date: 4-Jan-2012

Compound	CAS No.	Purity (%)	Neat Material Lot No.	Concentration
2,3,3',4,4',5-hexachlorobiphenyl (BZ# 156)	38380-08-4	99.6	659.257.1P	9.96 ± .31 mg/L
2,3,3',4,4',5'-hexachlorobiphenyl (BZ# 157)	69782-90-7	99.8	654.4.1P	9.98 ± .34 mg/L
3,3',4,4',5,5'-hexachlorobiphenyl (BZ# 169)	32774-16-6	100	660.5.4.1P	9.981 ± .32 mg/L
2,2',3,3',4,4',5,5'-octachlorobiphenyl (BZ# 194)	35694-08-7	100	843.5.3P	9.943 ± .32 mg/L
2,2',3,4,4',5,5',6-octachlorobiphenyl (BZ# 203)	52663-76-0	99.2	850.257.1P	10.03 ± .34 mg/L
2',3,4,4',5-pentachlorobiphenyl (BZ# 123)	65510-44-3	99	658.4.1P	9.993 ± .32 mg/L
2,2',3,4',6-pentachlorobiphenyl (BZ# 91)	68194-05-8	100	763.5.2P	9.963 ± .31 mg/L
2,2',3,5',6-pentachlorobiphenyl (BZ# 95)	38379-99-6	100	767.257.1P	10 ± .32 mg/L
2,2',4,4',5-pentachlorobiphenyl (BZ# 99)	38380-01-7	99.6	771.5.2.3P	10.01 ± .32 mg/L
2,2',4,5,5'-pentachlorobiphenyl (BZ# 101)	37680-73-2	99	520.4.1P	9.997 ± .24 mg/L
2,3,3',4,4'-pentachlorobiphenyl (BZ# 105)	32598-14-4	99	521.4.1P	10.06 ± .31 mg/L
2,3',4,4',5-pentachlorobiphenyl (BZ# 118)	31508-00-6	100	539.5.4.3P	10 ± .32 mg/L
2,3,3',4',6-pentachlorobiphenyl (BZ# 110)	38380-03-9	100	779.5.3.1P	10 ± .32 mg/L
2,3,4,4',5-pentachlorobiphenyl (BZ# 114)	74472-37-0	99	522.4.1P	9.991 ± .32 mg/L
3,3',4,4',5-pentachlorobiphenyl (BZ# 126)	57465-28-8	99	540.4.1P	9.94 ± .33 mg/L
2,2',4,5'-tetrachlorobiphenyl (BZ# 49)	41464-40-8	100	663.5.1	10 ± .29 mg/L
2,2',5,5'-tetrachlorobiphenyl (BZ# 52)	35693-99-3	100	518.4.1P	10 ± .22 mg/L
2,3',4',5-tetrachlorobiphenyl (BZ# 70)	32598-11-1	99	745.5.2	10 ± .24 mg/L
2,3',4,4'-tetrachlorobiphenyl (BZ# 66)	32598-10-0	100	537.5.3	10 ± .24 mg/L
2,4,4',5-tetrachlorobiphenyl (BZ# 74)	32690-93-0	100	749.5.3.2P	10.02 ± .31 mg/L
3,3',4,4'-tetrachlorobiphenyl (BZ# 77)	32598-13-3	100	538.5.4P	10 ± .32 mg/L
3,3',4,5'-tetrachlorobiphenyl (BZ# 79)	41464-48-6	99.9	753.5.2.1P	9.962 ± .38 mg/L
3,4,4',5-tetrachlorobiphenyl (BZ# 81)	70362-50-4	99.8	657.5.3.3P	10.05 ± .35 mg/L
2,4,4'-trichlorobiphenyl (BZ# 28)	7012-37-5	99	516.4.1P	9.997 ± .24 mg/L

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Certified By: _____
 Lindsay Edwards
 Manufacture Date 30-Dec-2008

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
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Catalog No.: SR00500-297

Lot No.: 141906

Expiration Date: 4-Jan-2012

<u>Compound</u>	<u>CAS No.</u>	<u>Purity (%)</u>	<u>Neat Material Lot No.</u>	<u>Concentration</u>
2,2',5-trichlorobiphenyl (BZ# 18)	37680-65-2	100	515.5.4.2P	9.992 ± .23 mg/L
2,4,6-trichlorobiphenyl (BZ# 30)	35693-92-6	100	711.5.2P	10 ± .32 mg/L

Certified By: _____

Lindsay Edwards

Manufacture Date 30-Dec-2008

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