

Date Received: \_\_\_\_\_

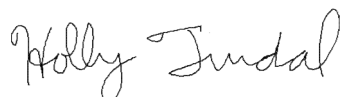
## Certificate of Analysis

Rev 0

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**Catalog No.:** 130918-01    **Lot No.:** 251615    **Storage:** ≤ -10 °C    **Solvent:** Isooctane    **Exp. Date:** 9-Jun-2017    **Description:** PCB Congener Solution 34-918, 100 mg/L, 5 x 1 ml.

Compound	CAS No.	Purity (%)	Neat Material Lot No.	Concentration
4-chlorobiphenyl (BZ# 3)	2051-62-9	98.8	688.5.5P	98.75 ± 1.93 mg/L
decachlorobiphenyl (BZ# 209)	2051-24-3	99.4	301.4.4.1P	100.4 ± 1.52 mg/L
2,2'-dichlorobiphenyl (BZ# 4)	13029-08-8	99	689.4.1P	98.02 ± 1.88 mg/L
2,2',3,3',4',5,6-heptachlorobiphenyl (BZ# 177)	52663-70-4	100	833.5.2.5P	99.6 ± 2.73 mg/L
2,2',3,3',4,4',5-heptachlorobiphenyl (BZ# 170)	35065-30-6	99	526.4.2P	99.2 ± 2.71 mg/L
2,2',3,4',5,5',6-heptachlorobiphenyl (BZ# 187)	52663-68-0	99.4	542.5.4.2P	99.99 ± 2.73 mg/L
2,2',3,4,4',5',6-heptachlorobiphenyl (BZ# 183)	52663-69-1	99	664.5.5.5P	99 ± 2.71 mg/L
2,2',3,4,4',5,5'-heptachlorobiphenyl (BZ# 180)	35065-29-3	99	527.4.1P	99.89 ± 2.51 mg/L
2,3,3',4,4',5,5'-heptachlorobiphenyl (BZ# 189)	39635-31-9	100	656.5.4P	100.6 ± 2.6 mg/L
2,2',3,3',4,4'-hexachlorobiphenyl (BZ# 128)	38380-07-3	99	523.4.1P	99.25 ± 1.57 mg/L
2,2',3,4',5',6-hexachlorobiphenyl (BZ# 149)	38380-04-0	100	811.5.4P	100.4 ± 2.55 mg/L
2,2',3,4',5,5'-hexachlorobiphenyl (BZ# 146)	51908-16-8	99.3	808.5.5P	100.3 ± 2.73 mg/L
2,2',3,4,4',5'-hexachlorobiphenyl (BZ# 138)	35065-28-2	99	541.4.1P	98.8 ± 2.57 mg/L
2,2',3,5,5',6-hexachlorobiphenyl (BZ# 151)	52663-63-5	99.6	813.5.3.1P	99.21 ± 2.72 mg/L
2,2',4,4',5,5'-hexachlorobiphenyl (BZ# 153)	35065-27-1	99	525.4.1P	101 ± 1.96 mg/L
2,3',4,4',5,5'-hexachlorobiphenyl (BZ# 167)	52663-72-6	98.5	655.3.2P	99.87 ± 2.53 mg/L



Certified By: \_\_\_\_\_

Holly Tindal

Manufacture Date 10-Jun-2015

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.

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.

# Certificate of Analysis

Catalog No.: 130918-01-5PAK

Lot No.: 251615

Expiration Date: 9-Jun-2017

Compound	CAS No.	Purity (%)	Neat Material Lot No.	Concentration
2,3,3',4,4',5-hexachlorobiphenyl (BZ# 156)	38380-08-4	99	659.4.1.2P	100.8 ± 2.73 mg/L
2,3,3',4,4',5'-hexachlorobiphenyl (BZ# 157)	69782-90-7	99	654.4.1P	97.09 ± 2.62 mg/L
3,3',4,4',5,5'-hexachlorobiphenyl (BZ# 169)	32774-16-6	100	660.5.4.2.1P	98.42 ± 2.53 mg/L
2,2',3,3',4,4',5,5',6-nonachlorobiphenyl (BZ# 206)	40186-72-9	99	530.5.5P	98.61 ± 2.71 mg/L
2,3,3',4,4',5,5',6-octachlorobiphenyl (BZ# 205)	74472-53-0	99.7	852.257.1P	98.71 ± 2.54 mg/L
2',3,4,4',5-pentachlorobiphenyl (BZ# 123)	65510-44-3	99.7	658.257.1P	100.9 ± 2.56 mg/L
2,2',3,5',6-pentachlorobiphenyl (BZ# 95)	38379-99-6	97.2	767.398.1P	98.16 ± 2.49 mg/L
2,2',4,4',5-pentachlorobiphenyl (BZ# 99)	38380-01-7	99.6	771.5.2.4P	98.02 ± 2.53 mg/L
2,2',4,5,5'-pentachlorobiphenyl (BZ# 101)	37680-73-2	99.5	520.4.2.3P	98.51 ± 2.11 mg/L
2,3,3',4,4'-pentachlorobiphenyl (BZ# 105)	32598-14-4	98.8	521.4.2P	97.82 ± 2.69 mg/L
2,3',4,4',5-pentachlorobiphenyl (BZ# 118)	31508-00-6	99	539.4.1.1P	98.95 ± 2.5 mg/L
2,3,3',4',6-pentachlorobiphenyl (BZ# 110)	38380-03-9	99.7	779.5.4P	98.71 ± 2.72 mg/L
2,3,4,4',5-pentachlorobiphenyl (BZ# 114)	74472-37-0	99.5	522.4.1.2P	99.45 ± 2.47 mg/L
3,3',4,4',5-pentachlorobiphenyl (BZ# 126)	57465-28-8	99	540.4.1P	99.59 ± 1.42 mg/L
2,2',5,5'-tetrachlorobiphenyl (BZ# 52)	35693-99-3	99.7	518.4.2P	98.52 ± 2.11 mg/L
3,3',4,4'-tetrachlorobiphenyl (BZ# 77)	32598-13-3	99	538.4.1P	100.4 ± 2.59 mg/L
3,4,4',5-tetrachlorobiphenyl (BZ# 81)	70362-50-4	98.3	657.421.1P	100.8 ± 2.72 mg/L
2,4,4'-trichlorobiphenyl (BZ# 28)	7012-37-5	99	516.4.2P	99 ± 1.93 mg/L

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