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ISO 17025 Accredited Chemical Testing Lab  
Cert. No. 3031.01

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

## Certificate of Analysis

Rev 0

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**Catalog No.:** 130111-01    **Lot No.:** 495131    **Storage:** ≤ -10 °C    **Solvent:** Isooctane    **Exp. Date:** 14-Feb-2027    **Description:** PCB Congener Solution 29-1, 10 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Neat Material Lot No.	Concentration
2,2',3,3',4',5,6-heptachlorobiphenyl (BZ# 177)	52663-70-4	99.5	833.5.3.1P	10.03 ± .3 mg/L
2,2',3,3',4,4',5-heptachlorobiphenyl (BZ# 170)	35065-30-6	100	526.5.1.4P	9.96 ± .18 mg/L
2,2',3,4',5,5',6-heptachlorobiphenyl (BZ# 187)	52663-68-0	99.4	542.421.1P	10.08 ± .19 mg/L
2,2',3,4,4',5',6-heptachlorobiphenyl (BZ# 183)	52663-69-1	99	664.5.5.8P	9.979 ± .3 mg/L
2,2',3,4,4',5,5'-heptachlorobiphenyl(BZ# 180)	35065-29-3	98.2	527.286.1P	10.06 ± .21 mg/L
2,3,3',4,4',5,5'-heptachlorobiphenyl (BZ# 189)	39635-31-9	99.3	656.421.1P	10.05 ± .21 mg/L
2,2',3,3',4,4'-hexachlorobiphenyl (BZ# 128)	38380-07-3	99	523.421.2P	10.14 ± .14 mg/L
2,2',3,4',5',6-hexachlorobiphenyl (BZ# 149)	38380-04-0	99.6	811.5.5.4P	9.96 ± .32 mg/L
2,2',3,4',5'-hexachlorobiphenyl (BZ# 146)	51908-16-8	98	808.421.3P	9.996 ± .21 mg/L
2,2',3,4,4',5'-hexachlorobiphenyl (BZ# 138)	35065-28-2	98.3	541.421.3P	9.987 ± .21 mg/L
2,2',3,5,5',6-hexachlorobiphenyl (BZ# 151)	52663-63-5	99.6	813.5.3.4P	10.04 ± .19 mg/L
2,2',4,4',5,5'-hexachlorobiphenyl (BZ# 153)	35065-27-1	99.9	525.5.5.4P	9.99 ± .18 mg/L
2,3',4,4',5,5'-hexachlorobiphenyl (BZ# 167)	52663-72-6	99.9	655.5.6P	10.03 ± .3 mg/L
2,3,3',4,4',5-hexachlorobiphenyl (BZ# 156)	38380-08-4	99	659.421.3P	10.14 ± .21 mg/L
2,3,3',4,4',5'-hexachlorobiphenyl (BZ# 157)	69782-90-7	98.8	654.421.4P	9.959 ± .27 mg/L
3,3',4,4',5,5'-hexachlorobiphenyl (BZ# 169)	32774-16-6	100	660.5.6P	9.92 ± .3 mg/L

*S. Hunter*

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

Scott Hunter

Manufacture Date 6-Jan-2023

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.: 130111-01

Lot No.: 495131

Expiration Date: 14-Feb-2027

Compound	CAS No.	Purity (%)	Neat Material Lot No.	Concentration
2',3,4,4',5-pentachlorobiphenyl (BZ# 123)	65510-44-3	99.4	658.5.6P	10.04 ± .3 mg/L
2,2',3,5',6-pentachlorobiphenyl (BZ# 95)	38379-99-6	99	767.5.6P	9.979 ± .18 mg/L
2,2',4,4',5-pentachlorobiphenyl (BZ# 99)	38380-01-7	99.2	771.5.3.1P	9.841 ± .3 mg/L
2,2',4,5,5'-pentachlorobiphenyl (BZ# 101)	37680-73-2	99	520.5.5.2P	10.02 ± .3 mg/L
2,3,3',4,4'-pentachlorobiphenyl (BZ# 105)	32598-14-4	99.2	521.421.2P	9.999 ± .21 mg/L
2,3',4,4',5-pentachlorobiphenyl (BZ# 118)	31508-00-6	98	539.286.1P	9.957 ± .27 mg/L
2,3,3',4',6-pentachlorobiphenyl (BZ# 110)	38380-03-9	99.5	779.5.5.1P	9.99 ± .18 mg/L
2,3,4,4',5-pentachlorobiphenyl (BZ# 114)	74472-37-0	100	522.421.2P	10.02 ± .19 mg/L
3,3',4,4',5-pentachlorobiphenyl (BZ# 126)	57465-28-8	94.8	540.421.3.1P	10.09 ± .21 mg/L
2,2',5,5'-tetrachlorobiphenyl (BZ# 52)	35693-99-3	98.8	518.421.2P	9.999 ± .21 mg/L
3,3',4,4'-tetrachlorobiphenyl (BZ# 77)	32598-13-3	99.8	538.421.2P	9.98 ± .19 mg/L
3,4,4',5-tetrachlorobiphenyl (BZ# 81)	70362-50-4	98.5	657.421.4P	10.01 ± .21 mg/L
2,4,4'-trichlorobiphenyl (BZ# 28)	7012-37-5	98	516.286.1.2P	10.04 ± .27 mg/L

Let the standard warm to room temperature and sonicate before opening.

*S. Hunter*

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