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7212 ACC Blvd. | Raleigh, NC 27617 | 800.234.7837

Certificate of Analysis

18 PCBs

Catalog Number: Q-8628-O
Lot Number: 070618
Manufacture Date: 07/06/2018

Expiration: 07/31/2023
Solvent: Hexane
Hazards: Irritant, Flammable, Carcinogen

Analyte	CAS	Analyte Purity	Gravimetric Concentration (ug/mL)		
2,4,4'-Trichlorobiphenyl	7012-37-5	100%	100	±	0.93
2,2',5,5'-Tetrachlorobiphenyl	35693-99-3	99.4%	103	±	0.96
2,2',4,5,5'-Pentachlorbiphenyl	37680-73-2	100%	98.0	±	0.91
3,4,4',5-Tetrachlorobiphenyl	70362-50-4	99.8%	99.8	±	0.93
3,3',4,4'-Tetrachlorobiphenyl	32598-13-3	99.5%	97.5	±	0.91
2',3,4,4',5-Pentachlorobiphenyl	65510-44-3	99.3%	89.4	±	0.83
2,3',4,4',5-Pentachlorobiphenyl	31508-00-6	100%	100	±	0.93
2,3,4,4',5-Pentachlorobiphenyl	74472-37-0	100%	98.0	±	0.91
2,2',4,4',5,5'-Hexachlorobiphenyl	35065-27-1	99.9%	104	±	0.97
2,3,3',4,4'-Pentachlorobiphenyl	32598-14-4	99%	95.0	±	0.88
2,2',3,4,4',5'-Hexachlorobiphenyl	35065-28-2	100%	96.0	±	0.89
3,3',4,4',5-Pentachlorobiphenyl	57465-28-8	99.5%	99.5	±	0.93
2,3',4,4',5,5'-Hexachlorobiphenyl	52663-72-6	99.8%	97.8	±	0.91
2,3,3',4,4',5-Hexachlorobiphenyl	38380-08-4	100%	100	±	0.93
2,3,3',4,4',5'-Hexachlorobiphenyl	69782-90-7	100%	100	±	0.93
2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065-29-3	99.0%	97.0	±	0.90
3,3',4,4',5,5'-Hexachlorobiphenyl	32774-16-6	99.0%	99.0	±	0.92
2,3,3',4,4',5,5'-Heptachlorobiphenyl	39635-31-9	99.0%	91.1	±	0.85

Packaging, Storage, Instructions For Use

This CRM is packaged in a flame-sealed ampule and must be stored at 15°C to 30°C. To use this CRM, allow it to reach room temperature. Mix it gently by inversion. Inspect for precipitate. If present, sonicate for a few minutes to redissolve. Open the ampule and withdraw an aliquot appropriate for your application.

ANAB ACCREDITED
ISO GUIDE 34
REFERENCE MATERIAL PRODUCER
ISO Guide 34:2009
Certificate AR-1571

ISO 9001:2015 UL Registered Firm - Certificate # 10002343 QM15

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Traceability Information

Analyte Source Materials: The highest purity analyte source materials are used in the manufacture of this CRM. The actual purity is referenced above.

Method: This CRM was verified Gravimetrically.

Balance: All analytical balances are calibrated on a semiannual basis by an ISO 17025 accredited calibration laboratory and are traceable to NIST. Traceable Calibration Certificate available upon request.

All balances are checked daily by an in-house standard operating procedure. The weights used for this daily verification are calibrated annually by an ISO 17025 accredited calibration laboratory and are certified traceable to NIST. Certificate of Calibration and Traceability available upon request.

Thermometer: All thermometers are NIST traceable through thermometers that are calibrated annually by an ISO 17025 accredited calibration laboratory.

Glassware: All glassware used in the manufacture of our standards is Class A. An in-house standard operating procedure is used to verify all glassware prior to it being placed into service. Volumetric pipetors are calibrated every four months by an ISO 17025 accredited calibration laboratory.

Intended Uses

- Calibration of analytical instruments
- Validation of analytical methods
- Preparation of working level reference materials, i.e. "check standards"
- Detection limit studies

Homogeneity

This CRM was thoroughly mixed in production and is guaranteed homogenous.

Ken Grzybowski

Ken Grzybowski, Organics Department Manager

Mark Hammersla

Mark Hammersla, President

ANAB ACCREDITED ISO GUIDE 34 REFERENCE MATERIAL PRODUCER ISO Guide 34:2009 Certificate AR-1571