

Reference Material Certificate

Product Name: Chlorinated Pesticides Standard
Product Number: US-335-1
Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006672692
Lot Issue Date: 08-Apr-2022
Expiration Date: 30-Nov-2022

Component Name	CERTIFIED VALUES			CAS#	Analyte Lot
	Concentration	Expanded Uncertainty			
aldrin	1001	± 5 µg/mL		000309-00-2	RM00635
4,4'-DDD	1005	± 5 µg/mL		000072-54-8	RM03682
4,4'-DDE	1003	± 5 µg/mL		000072-55-9	RM02892
4,4'-DDT	1005	± 5 µg/mL		000050-29-3	RM00618
dieldrin	1002	± 5 µg/mL		000060-57-1	RM19382
endrin	1003	± 5 µg/mL		000072-20-8	RM14459
heptachlor	1003	± 5 µg/mL		000076-44-8	RM03111
heptachlor epoxide - isomer B	1003	± 5 µg/mL		001024-57-3	RM18943
endrin aldehyde	1001	± 5 µg/mL		007421-93-4	RM18389
endosulfan I	1004	± 5 µg/mL		000959-98-8	RM18398
endosulfan II	1005	± 5 µg/mL		033213-65-9	RM18940
endosulfan sulfate	1003	± 5 µg/mL		001031-07-8	RM15389
methoxychlor	1001	± 5 µg/mL		000072-43-5	RM14186
alachlor	1003	± 5 µg/mL		015972-60-8	RM14112
atrazine	1001	± 5 µg/mL		001912-24-9	RM17497
alpha-BHC	1005	± 5 µg/mL		000319-84-6	RM18316
beta-BHC	1002	± 5 µg/mL		000319-85-7	RM18870
delta-BHC	1005	± 5 µg/mL		000319-86-8	RM19221
cis-chlordane	500.5	± 2.5 µg/mL		005103-71-9	RM07243
gamma-BHC	1003	± 5 µg/mL		000058-89-9	RM02694
trans-chlordane	502.0	± 2.5 µg/mL		005103-74-2	RM02726

Matrix: hexane/toluene (1:1)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:

This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:

The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:


Monica Bourgeois
QMS Representative



ISO 17034 Cert
No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015
Quality Management System. Cert# 951215321

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www.agilent.com/quality/
CSD-QA-015.1



ISO 17025 Cert
No. AT-1937