

Certificate of Analysis

Product Name: Chlorinated Pesticides Standard

Product Number: US-335-1

Lot Issue Date: 30-Jun-2021

Lot Number: 0006616073

Expiration Date: 31-Jan-2022

Description:

This analytical reference material (RM) 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 below.

Analyte	CAS#	Analyte Lot	Concentration $\pm$ Uncertainty
aldrin	000309-00-2	RM00635	1004 $\pm$ 5 μ g/mL
4,4'-DDD	000072-54-8	RM03682	1002 $\pm$ 5 μ g/mL
4,4'-DDE	000072-55-9	RM02892	1004 $\pm$ 5 μ g/mL
4,4'-DDT	000050-29-3	RM00618	1004 $\pm$ 5 μ g/mL
dieldrin	000060-57-1	RM17652	1002 $\pm$ 5 μ g/mL
endrin	000072-20-8	RM14459	1002 $\pm$ 5 μ g/mL
heptachlor	000076-44-8	RM03111	1002 $\pm$ 5 μ g/mL
heptachlor epoxide - isomer B	001024-57-3	RM18369	1002 $\pm$ 5 μ g/mL
endrin aldehyde	007421-93-4	RM12540	1003 $\pm$ 5 μ g/mL
endosulfan I	000959-98-8	RM18398	1002 $\pm$ 5 μ g/mL
endosulfan II	033213-65-9	RM18226	1003 $\pm$ 5 μ g/mL
endosulfan sulfate	001031-07-8	RM15389	1002 $\pm$ 5 μ g/mL
methoxychlor	000072-43-5	RM14186	1004 $\pm$ 5 μ g/mL
alachlor	015972-60-8	RM14112	1004 $\pm$ 5 μ g/mL
atrazine	001912-24-9	RM17497	1002 $\pm$ 5 μ g/mL
alpha-BHC	000319-84-6	RM18316	1002 $\pm$ 5 μ g/mL
beta-BHC	000319-85-7	RM17631	1004 $\pm$ 5 μ g/mL

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delta-BHC	000319-86-8	RM09156	1003 ± 5 µg/mL
cis-chlordane	005103-71-9	RM07243	501.5 ± 2.5 µg/mL
gamma-BHC	000058-89-9	RM02694	1003 ± 5 µg/mL
trans-chlordane	005103-74-2	RM02726	501.4 ± 2.5 µg/mL

Matrix: hexane/toluene (1:1)

Storage Conditions: Store at Room Temperature (15° to 30°C).

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCCL 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 RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:

This RM 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.

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.

Hazards:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this RM.

Expiration of Certification:

The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM 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 TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026

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CSD-QA-015.1



ISO 17025 Cert
No. AT-1937