

Certificate of Analysis

Product Name: Organochlorine Pesticide Standard

Product Number: PPM-525E-1

Lot Issue Date: 16-Jan-2020

Lot Number: 0006512318

Expiration Date: 28-Feb-2023

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
alachlor	015972-60-8	RM14112	100.3 $\pm$ 0.5 $\mu\text{g/mL}$
aldrin	000309-00-2	RM00635	100.3 $\pm$ 0.5 $\mu\text{g/mL}$
cis-chlordane	005103-71-9	RM07243	100.2 $\pm$ 0.5 $\mu\text{g/mL}$
alpha-BHC	000319-84-6	RM14886	100.4 $\pm$ 0.5 $\mu\text{g/mL}$
atrazine	001912-24-9	RM13804	100.1 $\pm$ 0.5 $\mu\text{g/mL}$
beta-BHC	000319-85-7	RM15392	100.1 $\pm$ 0.5 $\mu\text{g/mL}$
chlorobenzilate	000510-15-6	RM16043	100.4 $\pm$ 0.5 $\mu\text{g/mL}$
chlorothalonil	001897-45-6	RM14028	100.3 $\pm$ 0.5 $\mu\text{g/mL}$
chloroneb	002675-77-6	RM00198	100.3 $\pm$ 0.5 $\mu\text{g/mL}$
DCPA	001861-32-1	NT01783	100.4 $\pm$ 0.5 $\mu\text{g/mL}$
delta-BHC	000319-86-8	RM09156	100.1 $\pm$ 0.5 $\mu\text{g/mL}$
4,4'-DDD	000072-54-8	RM03682	100.4 $\pm$ 0.5 $\mu\text{g/mL}$
4,4'-DDT	000050-29-3	RM00618	100.3 $\pm$ 0.5 $\mu\text{g/mL}$
4,4'-DDE	000072-55-9	RM02892	100.2 $\pm$ 0.5 $\mu\text{g/mL}$
dieldrin	000060-57-1	RM15334	100.2 $\pm$ 0.5 $\mu\text{g/mL}$
endosulfan I	000959-98-8	RM00834	100.1 $\pm$ 0.5 $\mu\text{g/mL}$
endosulfan II	033213-65-9	RM02904	100.3 $\pm$ 0.5 $\mu\text{g/mL}$

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endosulfan sulfate	001031-07-8	RM15389	100.1 ± 0.5 µg/mL
endrin	000072-20-8	RM14459	100.2 ± 0.5 µg/mL
endrin aldehyde	007421-93-4	RM04131	100.2 ± 0.5 µg/mL
etridiazole	002593-15-9	RM04462	100.3 ± 0.5 µg/mL
trans-chlordane	005103-74-2	RM02726	100.4 ± 0.5 µg/mL
heptachlor	000076-44-8	RM03111	100.4 ± 0.5 µg/mL
heptachlor epoxide - isomer B	001024-57-3	RM15293	100.2 ± 0.5 µg/mL
gamma-BHC	000058-89-9	RM02694	100.2 ± 0.5 µg/mL
methoxychlor	000072-43-5	RM14186	100.1 ± 0.5 µg/mL
simazine	000122-34-9	RM00622	100.3 ± 0.5 µg/mL
trans-nonachlor	039765-80-5	RM03191	100.4 ± 0.5 µg/mL
permethrins (mixed isomers,total)	052645-53-1	RM10021	200.9 ± 1.0 µg/mL

Matrix: acetone**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/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 RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample

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.

ISO 17034 Cert No.
AR-1936RM was produced in accordance with TUV USA Inc registered ISO
9001 Quality Management System. Cert # 56 100 18560026

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CSD-QA-015.1ISO 17025 Cert
No. AT-1937



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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



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