

Certificate of Analysis

Product Name: Pesticide Standard

Product Number: PSM-250-1

Lot Number: 0006607635

Lot Issue Date: 13-May-2021

Expiration Date: 30-Jun-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	100.3 $\pm$ 0.5 μ g/mL
alpha-BHC	000319-84-6	RM18210	100.3 $\pm$ 0.5 μ g/mL
beta-BHC	000319-85-7	RM17689	100.1 $\pm$ 0.5 μ g/mL
delta-BHC	000319-86-8	RM09156	100.4 $\pm$ 0.5 μ g/mL
gamma-BHC	000058-89-9	RM02694	100.4 $\pm$ 0.5 μ g/mL
4,4'-DDD	000072-54-8	RM03682	100.2 $\pm$ 0.5 μ g/mL
4,4'-DDE	000072-55-9	RM02892	100.2 $\pm$ 0.5 μ g/mL
4,4'-DDT	000050-29-3	RM00618	100.3 $\pm$ 0.5 μ g/mL
dieldrin	000060-57-1	RM17652	100.4 $\pm$ 0.5 μ g/mL
endosulfan I	000959-98-8	RM18398	100.2 $\pm$ 0.5 μ g/mL
endosulfan II	033213-65-9	RM18226	100.1 $\pm$ 0.5 μ g/mL
endosulfan sulfate	001031-07-8	RM15389	100.1 $\pm$ 0.5 μ g/mL
endrin	000072-20-8	RM14459	100.1 $\pm$ 0.5 μ g/mL
endrin aldehyde	007421-93-4	RM12540	100.2 $\pm$ 0.5 μ g/mL
endrin ketone	053494-70-5	NT00720	100.2 $\pm$ 0.5 μ g/mL
heptachlor	000076-44-8	RM03111	100.4 $\pm$ 0.5 μ g/mL
heptachlor epoxide - isomer B	001024-57-3	RM18369	100.3 $\pm$ 0.5 μ g/mL

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methoxychlor	000072-43-5	RM14186	100.4 ± 0.5 µg/mL
cis-chlordane	005103-71-9	RM07243	100.3 ± 0.5 µg/mL
trans-chlordane	005103-74-2	RM02726	100.2 ± 0.5 µg/mL
trans-nonachlor	039765-80-5	RM03191	100.3 ± 0.5 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 the LRQA registered ISO 9001:2015 Quality Management System. Cert # 10303760

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



ISO 17025 Cert
No. AT-1937