

Certificate of Analysis

Product Name: Organochlorine Pesticides Standard

Product Number: US-112A-1

Lot Issue Date: 08-Jun-2020

Lot Number: 0006540410

Expiration Date: 30-Jun-2021

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	2002 $\pm$ 10 μ g/mL
4,4'-DDD	000072-54-8	RM00615	2006 $\pm$ 10 μ g/mL
4,4'-DDE	000072-55-9	RM02892	2005 $\pm$ 10 μ g/mL
4,4'-DDT	000050-29-3	RM00618	2005 $\pm$ 10 μ g/mL
dieldrin	000060-57-1	RM16576	2001 $\pm$ 10 μ g/mL
endosulfan I	000959-98-8	RM15536	2002 $\pm$ 10 μ g/mL
endosulfan II	033213-65-9	RM02904	2005 $\pm$ 10 μ g/mL
endosulfan sulfate	001031-07-8	RM15389	2006 $\pm$ 10 μ g/mL
endrin	000072-20-8	RM14459	2001 $\pm$ 10 μ g/mL
endrin aldehyde	007421-93-4	RM12540	2004 $\pm$ 10 μ g/mL
heptachlor	000076-44-8	RM03111	2001 $\pm$ 10 μ g/mL
heptachlor epoxide - isomer B	001024-57-3	RM16470	2002 $\pm$ 10 μ g/mL
methoxychlor	000072-43-5	RM14186	2006 $\pm$ 10 μ g/mL
alpha-BHC	000319-84-6	RM14886	2008 $\pm$ 10 μ g/mL
beta-BHC	000319-85-7	RM15392	2005 $\pm$ 10 μ g/mL
delta-BHC	000319-86-8	RM09156	2002 $\pm$ 10 μ g/mL
gamma-BHC	000058-89-9	RM02694	2006 $\pm$ 10 μ g/mL

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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Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated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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ISO 17025 Cert
No. AT-1937