

Certificate of Analysis

Product Name: Custom Standard

Product Number: CUS-18591

Lot Issue Date: 12-Dec-2019

Lot Number: 0006507913

Expiration Date: 31-Jan-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	200.8 \pm 1.0 $\mu\text{g/mL}$
acetochlor	034256-82-1	RM14938	200.6 \pm 1.0 $\mu\text{g/mL}$
anthracene	000120-12-7	RM14212	200.3 \pm 1.0 $\mu\text{g/mL}$
benz[a]anthracene	000056-55-3	RM14887	200.3 \pm 1.0 $\mu\text{g/mL}$
benzo[a]pyrene	000050-32-8	RM14368	40.1 \pm 0.2 $\mu\text{g/mL}$
butyl benzyl phthalate	000085-68-7	RM14300	200.2 \pm 1.0 $\mu\text{g/mL}$
alpha-BHC	000319-84-6	RM14886	200.6 \pm 1.0 $\mu\text{g/mL}$
beta-BHC	000319-85-7	RM15392	200.3 \pm 1.0 $\mu\text{g/mL}$
delta-BHC	000319-86-8	RM09156	200.4 \pm 1.0 $\mu\text{g/mL}$
bis(2-ethylhexyl) adipate	000103-23-1	RM06602	200.4 \pm 1.0 $\mu\text{g/mL}$
bis(2-ethylhexyl) phthalate	000117-81-7	RM00081	200.8 \pm 1.0 $\mu\text{g/mL}$
butachlor	023184-66-9	RM02687	200.8 \pm 1.0 $\mu\text{g/mL}$
chrysene	000218-01-9	RM12260	200.4 \pm 1.0 $\mu\text{g/mL}$
DCPA	001861-32-1	NT01783	200.1 \pm 1.0 $\mu\text{g/mL}$
4,4'-DDD	000072-54-8	RM03682	200.7 \pm 1.0 $\mu\text{g/mL}$
4,4'-DDE	000072-55-9	RM02892	200.3 \pm 1.0 $\mu\text{g/mL}$
4,4'-DDT	000050-29-3	RM00618	200.3 \pm 1.0 $\mu\text{g/mL}$

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dieldrin	000060-57-1	RM15334	200.2 ± 1.0 µg/mL
di-n-butyl phthalate	000084-74-2	RM06273	200.7 ± 1.0 µg/mL
diethyl phthalate	000084-66-2	RM06600	200.7 ± 1.0 µg/mL
dimethyl phthalate	000131-11-3	RM15230	200.1 ± 1.0 µg/mL
2,4-dinitrotoluene	000121-14-2	RM10279	200.3 ± 1.0 µg/mL
2,6-dinitrotoluene	000606-20-2	RM10763	200.6 ± 1.0 µg/mL
endosulfan I	000959-98-8	RM00834	200.8 ± 1.0 µg/mL
endosulfan II	033213-65-9	RM02904	200.9 ± 1.0 µg/mL
endrin aldehyde	007421-93-4	RM04131	200.5 ± 1.0 µg/mL
EPTC	000759-94-4	RM02958	200.9 ± 1.0 µg/mL
fluorene	000086-73-7	RM13733	200.7 ± 1.0 µg/mL
isophorone	000078-59-1	RM03848	200.4 ± 1.0 µg/mL
malathion	000121-75-5	RM07001	200.8 ± 1.0 µg/mL
metalaxyl	057837-19-1	RM09240	200.1 ± 1.0 µg/mL
metolachlor	051218-45-2	rm14834	200.6 ± 1.0 µg/mL
alachlor	015972-60-8	RM14112	200.5 ± 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


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


ISO 17025 Cert
No. AT-1937



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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

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