

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 ± Uncertainty
aldrin	000309-00-2	RM00635	$200.8 \pm 1.0 \mu\text{g/mL}$
acetochlor	034256-82-1	RM14938	$200.6 \pm 1.0 \mu g/mL$
anthracene	000120-12-7	RM14212	$200.3 \pm 1.0 \mu g/mL$
benz[a]anthracene	000056-55-3	RM14887	$200.3 \pm 1.0 \mu \text{g/mL}$
benzo[a]pyrene	000050-32-8	RM14368	$40.1 \pm 0.2 \mu g/mL$
butyl benzyl phthalate	000085-68-7	RM14300	$200.2 \pm 1.0 \mu g/mL$
alpha-BHC	000319-84-6	RM14886	$200.6 \pm 1.0 \mu g/mL$
beta-BHC	000319-85-7	RM15392	$200.3 \pm 1.0 \mu\text{g/mL}$
delta-BHC	000319-86-8	RM09156	$200.4 \pm 1.0 \mu g/mL$
bis(2-ethylhexyl) adipate	000103-23-1	RM06602	$200.4 \pm 1.0 \mu g/mL$
bis(2-ethylhexyl) phthalate	000117-81-7	RM00081	$200.8 \pm 1.0 \mu g/mL$
butachlor	023184-66-9	RM02687	$200.8 \pm 1.0 \mu g/mL$
chrysene	000218-01-9	RM12260	$200.4 \pm 1.0 \mu g/mL$
DCPA	001861-32-1	NT01783	$200.1 \pm 1.0 \mu g/mL$
4,4'-DDD	000072-54-8	RM03682	$200.7 \pm 1.0 \mu\text{g/mL}$
4,4'-DDE	000072-55-9	RM02892	$200.3 \pm 1.0 \mu g/mL$
4,4'-DDT	000050-29-3	RM00618	$200.3 \pm 1.0 \mu g/mL$





No. AT-1937

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026

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Product Number:	CUS-18591		Lot Number:	0006507913
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	$200.3 \pm 1.0 \mu g/mL$
2,6-dinitrotoluene		000606-20-2	RM10763	$200.6 \pm 1.0 \mu g/mL$
endosulfan I		000959-98-8	RM00834	$200.8 \pm 1.0 \mu g/mL$
endosulfan II		033213-65-9	RM02904	$200.9 \pm 1.0 \mu g/mL$
endrin aldehyde		007421-93-4	RM04131	$200.5 \pm 1.0 \mu\text{g/mL}$
EPTC		000759-94-4	RM02958	$200.9 \pm 1.0 \mu\text{g/mL}$
fluorene		000086-73-7	RM13733	$200.7 \pm 1.0 \mu\text{g/mL}$
isophorone		000078-59-1	RM03848	$200.4 \pm 1.0 \mu\text{g/mL}$
malathion		000121-75-5	RM07001	$200.8 \pm 1.0 \mu\text{g/mL}$
metalaxyl		057837-19-1	RM09240	$200.1 \pm 1.0 \mu g/mL$
metolachlor		051218-45-2	rm14834	$200.6 \pm 1.0 \mu\text{g/mL}$
alachlor		015972-60-8	RM14112	$200.5 \pm 1.0 \mu\text{g/mL}$

Matrix: acetone

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

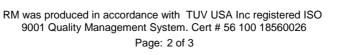
Traceability:

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





ACREDITED

ISOITE (17025)
TESTING LABORATORY

ISO 17025 Cert
No. AT-1937



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Product Number: CUS-18591 Lot Number: 0006507913

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



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