

Certificate of Analysis

Product Name: Pesticides Calibration Standard

Product Number: US-320-1

Lot Issue Date: 17-Jul-2020

Lot Number: 0006546674

Expiration Date: 31-Aug-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
alachlor	015972-60-8	RM14112	500.9 $\pm$ 2.5 μ g/mL
aldrin	000309-00-2	RM00635	500.3 $\pm$ 2.5 μ g/mL
atrazine	001912-24-9	RM14799	500.7 $\pm$ 2.5 μ g/mL
butachlor	023184-66-9	RM16442	500.7 $\pm$ 2.5 μ g/mL
cyanazine	021725-46-2	RM15773	500.3 $\pm$ 2.5 μ g/mL
dieldrin	000060-57-1	RM16576	500.8 $\pm$ 2.5 μ g/mL
endrin	000072-20-8	RM14459	500.1 $\pm$ 2.5 μ g/mL
lindane	000058-89-9	RM02694	500.7 $\pm$ 2.5 μ g/mL
heptachlor	000076-44-8	RM03111	500.9 $\pm$ 2.5 μ g/mL
heptachlor epoxide - isomer B	001024-57-3	RM16470	500.9 $\pm$ 2.5 μ g/mL
hexachlorobenzene	000118-74-1	RM03125	500.1 $\pm$ 2.5 μ g/mL
hexachlorocyclopentadiene	000077-47-4	RM12238	499.8 $\pm$ 2.5 μ g/mL
methoxychlor	000072-43-5	RM14186	501.4 $\pm$ 2.5 μ g/mL
metolachlor	051218-45-2	RM14834	500.1 $\pm$ 2.5 μ g/mL
metribuzin	021087-64-9	RM16121	500.7 $\pm$ 2.5 μ g/mL
propachlor	001918-16-7	RM15846	500.7 $\pm$ 2.5 μ g/mL
simazine	000122-34-9	RM00622	500.5 $\pm$ 2.5 μ g/mL

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trifluralin

001582-09-8

RM09256

500.8 ± 2.5 µg/mL

Matrix: ethyl acetate

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 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

Page: 2 of 2

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ISO 17025 Cert
No. AT-1937