

Certificate of Analysis

Product Name: Organonitrogen Pesticide Standard

Product Number: NPM-520-1

Lot Issue Date: 13-Jan-2020

Lot Number: 0006513031

Expiration Date: 31-May-2020

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
alachlor	015972-60-8	RM14112	501.5 ± 2.5 µg/mL
ametryn	000834-12-8	RM14927	500.9 ± 2.5 µg/mL
atraton	001610-17-9	RM13841	501.2 ± 2.5 µg/mL
atrazine	001912-24-9	RM13804	501.1 ± 2.5 µg/mL
bromacil	000314-40-9	RM14333	501.5 ± 2.5 µg/mL
butachlor	023184-66-9	RM13542	501.2 ± 2.5 µg/mL
butylate	002008-41-5	RM15402	501.5 ± 2.5 µg/mL
chlorpropham	000101-21-3	RM03671	501.3 ± 2.5 µg/mL
cyanazine	021725-46-2	RM13093	500.9 ± 2.5 µg/mL
cycloate	001134-23-2	RM02853	501.4 ± 2.5 µg/mL
diphenamid	000957-51-7	RM14708	501.3 ± 2.5 µg/mL
EPTC	000759-94-4	RM02958	501.5 ± 2.5 µg/mL
etridiazole	002593-15-9	RM14479	501.5 ± 2.5 µg/mL
fenarimol	060168-88-9	RM13668	501.2 ± 2.5 µg/mL
fluridone	059756-60-4	RM13547	501.7 ± 2.5 µg/mL
hexazinone	051235-04-2	RM14990	500.9 ± 2.5 µg/mL
metolachlor	051218-45-2	rm14834	501.1 ± 2.5 µg/mL

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metribuzin	021087-64-9	RM15289	501.5 ± 2.5 µg/mL
MGK-264 (mixed, total)	000113-48-4	RM03143	501.4 ± 2.5 µg/mL
molinate	002212-67-1	RM14835	500.9 ± 2.5 µg/mL
napropamide	015299-99-7	RM15400	501.9 ± 2.5 µg/mL
norflurazon	027314-13-2	RM03744	501.3 ± 2.5 µg/mL
pebulate	001114-71-2	RM12079	501.3 ± 2.5 µg/mL
prometon	001610-18-0	RM15598	500.8 ± 2.5 µg/mL
prometryn	007287-19-6	RM15360	501.3 ± 2.5 µg/mL
pronamide	023950-58-5	RM14691	501.1 ± 2.5 µg/mL
propachlor	001918-16-7	RM12323	501.4 ± 2.5 µg/mL
propazine	000139-40-2	RM14562	501.3 ± 2.5 µg/mL
simazine	000122-34-9	RM00622	501.0 ± 2.5 µg/mL
simetryn	001014-70-6	RM15408	500.8 ± 2.5 µg/mL
tebuthiuron	034014-18-1	RM12946	500.6 ± 2.5 µg/mL
terbacil	005902-51-2	RM03373	501.3 ± 2.5 µg/mL
terbutryn(e)	000886-50-0	RM06258	501.7 ± 2.5 µg/mL
triadimefon	043121-43-3	RM12623	501.2 ± 2.5 µg/mL
tricyclazole	041814-78-2	RM14685	501.4 ± 2.5 µg/mL
trifluralin	001582-09-8	RM09256	501.6 ± 2.5 µg/mL
vernolate	001929-77-7	RM12696	501.7 ± 2.5 µg/mL

Matrix: acetone

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

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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

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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CSD-QA-015.1



ISO 17025 Cert
No. AT-1937