

Certificate of Analysis

Product Name: Nitrogen/Phosphorous Pesticide Standard

Product Number: NPM-525C-1

Lot Issue Date: 15-Jan-2021

Lot Number: 0006582289

Expiration Date: 28-Feb-2022

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	100.1 ± 0.5 µg/mL
ametryn	000834-12-8	RM16462	100.4 ± 0.5 µg/mL
atraton	001610-17-9	RM00679	100.4 ± 0.5 µg/mL
atrazine	001912-24-9	RM17497	100.1 ± 0.5 µg/mL
bromacil	000314-40-9	RM17291	100.1 ± 0.5 µg/mL
butachlor	023184-66-9	RM17495	100.2 ± 0.5 µg/mL
butylate	002008-41-5	RM15656	100.4 ± 0.5 µg/mL
chlorpropham	000101-21-3	RM02736	100.4 ± 0.5 µg/mL
chlorpyriphos	002921-88-2	RM17484	100.4 ± 0.5 µg/mL
cycloate	001134-23-2	RM16258	100.3 ± 0.5 µg/mL
cyanazine	021725-46-2	RM15773	100.2 ± 0.5 µg/mL
dichlorvos	000062-73-7	RM16942	100.2 ± 0.5 µg/mL
diphenamid	000957-51-7	RM17075	100.3 ± 0.5 µg/mL
EPTC	000759-94-4	RM02958	100.1 ± 0.5 µg/mL
ethoprop	013194-48-4	RM17088	100.4 ± 0.5 µg/mL
fenarimol	060168-88-9	RM13668	100.4 ± 0.5 µg/mL
fluridone	059756-60-4	RM13547	100.4 ± 0.5 µg/mL

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hexazinone	051235-04-2	RM15965	100.2 ± 0.5 µg/mL
methyl paraoxon	000950-35-6	RM16407	100.2 ± 0.5 µg/mL
metolachlor	051218-45-2	RM14834	100.3 ± 0.5 µg/mL
mevinphos	007786-34-7	RM17203	100.4 ± 0.5 µg/mL
MGK-264 (mixed, total)	000113-48-4	RM03143	100.3 ± 0.5 µg/mL
molinate	002212-67-1	RM14835	100.1 ± 0.5 µg/mL
napropamide	015299-99-7	RM16461	100.1 ± 0.5 µg/mL
norflurazon	027314-13-2	RM00675	100.1 ± 0.5 µg/mL
pebulate	001114-71-2	RM12079	100.4 ± 0.5 µg/mL
prometon	001610-18-0	RM15598	100.4 ± 0.5 µg/mL
prometryn	007287-19-6	RM17267	100.2 ± 0.5 µg/mL
pronamide	023950-58-5	RM13676	100.2 ± 0.5 µg/mL
propachlor	001918-16-7	RM16979	100.1 ± 0.5 µg/mL
propazine	000139-40-2	RM14562	100.3 ± 0.5 µg/mL
simetryn	001014-70-6	RM17153	100.4 ± 0.5 µg/mL
tetrachlorvinphos	022248-79-9	RM05693	100.1 ± 0.5 µg/mL
tebuthiuron	034014-18-1	RM15610	100.1 ± 0.5 µg/mL
terbacil	005902-51-2	RM03373	100.3 ± 0.5 µg/mL
terbutryn(e)	000886-50-0	RM16747	100.2 ± 0.5 µg/mL
triadimefon	043121-43-3	RM14288	100.2 ± 0.5 µg/mL
tricyclazole	041814-78-2	RM16318	100.4 ± 0.5 µg/mL
trifluralin	001582-09-8	RM09256	100.4 ± 0.5 µg/mL

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vernolate

001929-77-7

RM16024

100.4 ± 0.5 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 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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CSD-QA-015.1



ISO 17025 Cert
No. AT-1937