

Certificate of Analysis

Product Name: Pesticide Standard 1

Product Number: AGI-P03-1

Lot Issue Date: 10-May-2023

Lot Number: 0006742769

Expiration Date: 31-Dec-2024

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
acephate	030560-19-1	RM18218	100.2 $\pm$ 0.5 $\mu\text{g/mL}$
bromfenvinfos	033399-00-7	RM14380	100.0 $\pm$ 0.5 $\mu\text{g/mL}$
carbophenothion	000786-19-6	RM19461	100.2 $\pm$ 0.5 $\mu\text{g/mL}$
DEF	000078-48-8	RM19195	100.4 $\pm$ 0.5 $\mu\text{g/mL}$
dichlobenil	001194-65-6	RM02868	100.0 $\pm$ 0.5 $\mu\text{g/mL}$
dichloran	000099-30-9	RM00430	100.1 $\pm$ 0.5 $\mu\text{g/mL}$
EPN	002104-64-5	RM18280	100.2 $\pm$ 0.5 $\mu\text{g/mL}$
ethalfluralin	055283-68-6	RM16970	100.0 $\pm$ 0.5 $\mu\text{g/mL}$
flutolanil	066332-96-5	RM04722	100.0 $\pm$ 0.5 $\mu\text{g/mL}$
imazalil	035554-44-0	RM18431	100.1 $\pm$ 0.5 $\mu\text{g/mL}$
isofenphos	025311-71-1	RM19566	100.0 $\pm$ 0.5 $\mu\text{g/mL}$
mepanipyrim	110235-47-7	RM18425	100.4 $\pm$ 0.5 $\mu\text{g/mL}$
metalaxyl	057837-19-1	RM18358	100.1 $\pm$ 0.5 $\mu\text{g/mL}$
metolachlor	051218-45-2	RM20722	100.0 $\pm$ 0.5 $\mu\text{g/mL}$
piperonyl butoxide	000051-03-6	RM18244	100.3 $\pm$ 0.5 $\mu\text{g/mL}$
permethrins (mixed isomers,total)	052645-53-1	RM17840	100.2 $\pm$ 0.5 $\mu\text{g/mL}$

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piperophos	024151-93-7	RM17332	100.2 ± 0.5 µg/mL
tebuconazole	107534-96-3	RM18300	100.2 ± 0.5 µg/mL
tebufenpyrad	119168-77-3	RM09291	100.5 ± 0.5 µg/mL
triadimefon	043121-43-3	RM14288	100.0 ± 0.5 µg/mL
trifloxystrobin	141517-21-7	RM18295	100.2 ± 0.5 µg/mL

Matrix: acetonitrile**Storage Conditions:** Store Refrigerated (2° to 8°C)**Traceability:**

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCCL 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 the TUV/SUD registered ISO 9001:2015
Quality Management System. Cert# 951215321

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CSD-QA-015.2



ISO 17025 Cert
No. AT-1937