

Certificate of Analysis

Product Name: FDA Pesticide Standard GC/LC no. 1

Product Number: PSM-101-L

Lot Issue Date: 15-Jun-2021

Lot Number: 0006613783

Expiration Date: 31-Jul-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
azoxystrobin	131860-33-8	RM18162	99.8 ± 0.5 µg/mL
boscalid	188425-85-6	RM16703	100.2 ± 0.5 µg/mL
chlorpyrifos	002921-88-2	RM18197	100.1 ± 0.5 µg/mL
cyprodinil	121552-61-2	RM09130	99.9 ± 0.5 µg/mL
dimethoate	000060-51-5	RM18269	99.9 ± 0.5 µg/mL
flonicamid	158062-67-0	RM17590	99.9 ± 0.5 µg/mL
fludioxonil	131341-86-1	RM15292	100.1 ± 0.5 µg/mL
flutolanil	066332-96-5	RM04722	100.0 ± 0.5 µg/mL
hexythiazox	078587-05-0	RM16812	99.8 ± 0.5 µg/mL
malathion	000121-75-5	RM18271	99.9 ± 0.5 µg/mL
metalaxyl	057837-19-1	RM17064	99.9 ± 0.5 µg/mL
monocrotophos	006923-22-4	RM16638	100.1 ± 0.5 µg/mL
myclobutanil	088671-89-0	RM18220	100.0 ± 0.5 µg/mL
phosmet	000732-11-6	RM03255	100.2 ± 0.5 µg/mL
piperonyl butoxide	000051-03-6	RM09150	100.3 ± 0.5 µg/mL
prochloraz	067747-09-5	RM07146	99.9 ± 0.5 µg/mL
propamocarb	024579-73-5	RM17640	100.1 ± 0.5 µg/mL

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propiconazole	060207-90-1	RM17177	100.0 ± 0.5 µg/mL
pyraclostrobin	175013-18-0	RM16209	100.0 ± 0.5 µg/mL
pyrimethanil	053112-28-0	RM17289	99.9 ± 0.5 µg/mL

Matrix: acetonitrile

Storage Conditions: Store Refrigerated (2° - 8°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