

Certificate of Analysis

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

Product Number: PSM-101-L

Lot Issue Date: 29-Jun-2020

Lot Number: 0006544770

Expiration Date: 31-Jul-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
azoxystrobin	131860-33-8	RM15985	100.4 $\pm$ 0.5 μ g/mL
boscalid	188425-85-6	RM09348	100.3 $\pm$ 0.5 μ g/mL
chlorpyrifos	002921-88-2	RM16560	100.4 $\pm$ 0.5 μ g/mL
cyprodinil	121552-61-2	RM10427	100.1 $\pm$ 0.5 μ g/mL
dimethoate	000060-51-5	RM16271	100.4 $\pm$ 0.5 μ g/mL
flonicamid	158062-67-0	rm16744	100.1 $\pm$ 0.5 μ g/mL
fludioxonil	131341-86-1	RM15292	100.4 $\pm$ 0.5 μ g/mL
flutolanil	066332-96-5	RM11554	100.3 $\pm$ 0.5 μ g/mL
hexythiazox	078587-05-0	RM12032	100.1 $\pm$ 0.5 μ g/mL
malathion	000121-75-5	RM12832	100.1 $\pm$ 0.5 μ g/mL
metalaxyl	057837-19-1	RM09240	100.2 $\pm$ 0.5 μ g/mL
monocrotophos	006923-22-4	RM12452	100.1 $\pm$ 0.5 μ g/mL
myclobutanil	088671-89-0	RM16045	100.3 $\pm$ 0.5 μ g/mL
phosmet	000732-11-6	RM03253	100.2 $\pm$ 0.5 μ g/mL
piperonyl butoxide	000051-03-6	RM09150	100.3 $\pm$ 0.5 μ g/mL
prochloraz	067747-09-5	RM07146	100.1 $\pm$ 0.5 μ g/mL
propamocarb	024579-73-5	RM15076	100.2 $\pm$ 0.5 μ g/mL

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propiconazole	060207-90-1	RM10351	100.4 ± 0.5 µg/mL
pyraclostrobin	175013-18-0	RM16209	100.4 ± 0.5 µg/mL
pyrimethanil	053112-28-0	RM15500	100.2 ± 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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ISO 17025 Cert
No. AT-1937