

Certificate of Analysis

Product Name: FDA Pesticide Standard GC/LC no. 2

Product Number: PSM-101-M

Lot Issue Date: 01-Jul-2020

Lot Number: 0006544771

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
atrazine	001912-24-9	RM14799	100.1 $\pm$ 0.5 μ g/mL
bifenazate	149877-41-8	RM16270	100.0 $\pm$ 0.5 μ g/mL
cyproconazole	094361-06-5	RM09114	100.1 $\pm$ 0.5 μ g/mL
dichlorvos	000062-73-7	RM09203	100.3 $\pm$ 0.5 μ g/mL
diethofencarb	087130-20-9	RM10618	100.1 $\pm$ 0.5 μ g/mL
difenoconazole	119446-68-3	RM09147	100.1 $\pm$ 0.5 μ g/mL
dimethomorph	110488-70-5	RM14353	100.2 $\pm$ 0.5 μ g/mL
ethion	000563-12-2	RM16328	100.1 $\pm$ 0.5 μ g/mL
fenamidone	161326-34-7	RM16084	100.2 $\pm$ 0.5 μ g/mL
fenarimol	060168-88-9	RM13668	100.1 $\pm$ 0.5 μ g/mL
fenbuconazole	114369-43-6	RM13244	100.1 $\pm$ 0.5 μ g/mL
isocarbofos	024353-61-5	RM15033	100.1 $\pm$ 0.5 μ g/mL
penconazole	066246-88-6	RM09383	100.2 $\pm$ 0.5 μ g/mL
pirimicarb	023103-98-2	RM09253	100.2 $\pm$ 0.5 μ g/mL
spirodiclofen	148477-71-8	RM09070	100.0 $\pm$ 0.5 μ g/mL
tebuconazole	107534-96-3	RM16409	100.2 $\pm$ 0.5 μ g/mL
thiamethoxam	153719-23-4	RM15629	99.9 $\pm$ 0.5 μ g/mL

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triadimenol	055219-65-3	RM03453	100.4 ± 0.5 µg/mL
triazophos	024017-47-8	rm16331	100.1 ± 0.5 µg/mL
tricyclazole	041814-78-2	rm16318	100.3 ± 0.5 µg/mL

Matrix: acetonitrile

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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ISO 17025 Cert
No. AT-1937