

Certificate of Analysis

Product Name: FDA Pesticide Standard GC/LC no. 3

Product Number: PSM-101-N

Lot Issue Date: 02-Jul-2020

Lot Number: 0006544581

Expiration Date: 31-Aug-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
amitraz	033089-61-1	RM09278	100.1 $\pm$ 0.5 μ g/mL
bitertanol	055179-31-2	RM09739	100.2 $\pm$ 0.5 μ g/mL
buprofezin	069327-76-0	RM14458	100.4 $\pm$ 0.5 μ g/mL
carboxin	005234-68-4	RM03662	100.2 $\pm$ 0.5 μ g/mL
coumaphos	000056-72-4	RM15456	100.1 $\pm$ 0.5 μ g/mL
dicrotophos	000141-66-2	RM15366	100.4 $\pm$ 0.5 μ g/mL
EPN	002104-64-5	RM14926	100.2 $\pm$ 0.5 μ g/mL
flutriafol	076674-21-0	RM13367	100.3 $\pm$ 0.5 μ g/mL
azinphos-methyl	000086-50-0	RM14898	100.2 $\pm$ 0.5 μ g/mL
kresoxim-methyl	143390-89-0	RM09176	100.1 $\pm$ 0.5 μ g/mL
methidathion	000950-37-8	RM03745	100.1 $\pm$ 0.5 μ g/mL
methyl parathion	000298-00-0	RM16643	100.4 $\pm$ 0.5 μ g/mL
mevinphos	007786-34-7	RM16040	100.4 $\pm$ 0.5 μ g/mL
nuarimol	063284-71-9	RM14892	100.2 $\pm$ 0.5 μ g/mL
oxadixyl	077732-09-3	RM15431	100.4 $\pm$ 0.5 μ g/mL
parathion (ethyl)	000056-38-2	RM16023	100.3 $\pm$ 0.5 μ g/mL
phorate-sulfone	002588-04-7	RM16730	100.4 $\pm$ 0.5 μ g/mL

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pirimiphos-methyl	029232-93-7	RM16188	100.1 ± 0.5 µg/mL
profenophos	041198-08-7	RM16277	100.4 ± 0.5 µg/mL
tebufenpyrad	119168-77-3	RM09291	100.1 ± 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

Page: 2 of 2

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ISO 17025 Cert
No. AT-1937