

Certificate of Analysis

Product Name: FDA Pesticide Standard LC no. 1

Product Number: PSM-101-F

Lot Issue Date: 29-Jun-2020

Lot Number: 0006544766

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
3-hydroxycarbofuran	016655-82-6	RM15137	100.2 $\pm$ 0.5 μ g/mL
acephate	030560-19-1	RM16087	100.1 $\pm$ 0.5 μ g/mL
acetamiprid	135410-20-7	RM15438	100.4 $\pm$ 0.5 μ g/mL
carbaryl	000063-25-2	RM15786	100.1 $\pm$ 0.5 μ g/mL
carbofuran	001563-66-2	RM02695	100.3 $\pm$ 0.5 μ g/mL
chlorantraniliprole	500008-45-7	RM14473	100.3 $\pm$ 0.5 μ g/mL
clothianidin	210880-92-5	RM14209	100.1 $\pm$ 0.5 μ g/mL
cyromazine	066215-27-8	RM15435	100.1 $\pm$ 0.5 μ g/mL
diflubenzuron	035367-38-5	RM02949	100.0 $\pm$ 0.5 μ g/mL
dinotefuran	165252-70-0	RM15227	100.2 $\pm$ 0.5 μ g/mL
imazalil	035554-44-0	RM15635	100.0 $\pm$ 0.5 μ g/mL
imidacloprid	138261-41-3	RM09296	100.3 $\pm$ 0.5 μ g/mL
methamidophos	010265-92-6	RM09247	100.4 $\pm$ 0.5 μ g/mL
methomyl	016752-77-5	RM16198	100.2 $\pm$ 0.5 μ g/mL
methoxyfenozide	161050-58-4	RM07121	100.4 $\pm$ 0.5 μ g/mL
novaluron	116714-46-6	RM14804	100.3 $\pm$ 0.5 μ g/mL
omethoate	001113-02-6	RM16175	100.2 $\pm$ 0.5 μ g/mL

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oxamyl	023135-22-0	RM16048	100.1 ± 0.5 µg/mL
spinosad	168316-95-8	RM15747	100.4 ± 0.5 µg/mL
thiabendazole	000148-79-8	RM09257	100.3 ± 0.5 µg/mL
thiacloprid	111988-49-9	RM14388	100.3 ± 0.5 µg/mL

Matrix: acetonitrile**Storage Conditions:** Store Frozen (-25° to -10°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 RepresentativeISO 17034 Cert No.
AR-1936RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality
Management System. Cert # 56 100 18560026

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www.agilent.com/quality/ISO 17025 Cert
No. AT-1937