

Certificate of Analysis

Product Name: LC Pesticide Standard #4

Product Number: PSM-100-P

Lot Issue Date: 03-Aug-2020

Lot Number: 0006550758

Expiration Date: 31-Aug-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 $\pm$ Uncertainty
abamectin	071751-41-2	RM16771	100.2 $\pm$ 0.5 μ g/mL
chlorotoluron	015545-48-9	RM14323	100.3 $\pm$ 0.5 μ g/mL
chloroxuron	001982-47-4	RM02734	100.4 $\pm$ 0.5 μ g/mL
diuron	000330-54-1	RM16016	100.1 $\pm$ 0.5 μ g/mL
flufenoxuron	101463-69-8	RM05398	100.2 $\pm$ 0.5 μ g/mL
forchlorfenuron	068157-60-8	RM14176	100.1 $\pm$ 0.5 μ g/mL
isoproturon	034123-59-6	RM09323	100.4 $\pm$ 0.5 μ g/mL
linuron	000330-55-2	RM15558	100.4 $\pm$ 0.5 μ g/mL
methabenzthiazuron	018691-97-9	RM14672	100.1 $\pm$ 0.5 μ g/mL
metobromuron	003060-89-7	RM13293	100.4 $\pm$ 0.5 μ g/mL
metrafenone	220899-03-6	RM09456	100.4 $\pm$ 0.5 μ g/mL
monolinuron	001746-81-2	RM09242	100.4 $\pm$ 0.5 μ g/mL
napropamide	015299-99-7	RM15400	100.4 $\pm$ 0.5 μ g/mL
pencycuron	066063-05-6	RM14918-01	100.3 $\pm$ 0.5 μ g/mL
proquinazid	189278-12-4	RM15233	100.4 $\pm$ 0.5 μ g/mL
thiofanox sulfone	039184-59-3	RM04936	100.1 $\pm$ 0.5 μ g/mL
thiofanox sulfoxide	039184-27-5	RM03785	100.3 $\pm$ 0.5 μ g/mL

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trichlorfon	000052-68-6	RM15409	100.3 ± 0.5 µg/mL
triflururon	064628-44-0	RM16715	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/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 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