

Certificate of Analysis

Product Name: LC Pesticide Standard no. 6

Product Number: PSM-105-H

Lot Issue Date: 15-Jul-2020

Lot Number: 0006544785

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
acephate	030560-19-1	RM16087	50.1 $\pm$ 0.3 $\mu\text{g/mL}$
acetamiprid	135410-20-7	RM15438	50.2 $\pm$ 0.3 $\mu\text{g/mL}$
amitraz	033089-61-1	RM09278	50.2 $\pm$ 0.3 $\mu\text{g/mL}$
boscalid	188425-85-6	RM09348	50.1 $\pm$ 0.3 $\mu\text{g/mL}$
cadusafos	095465-99-9	RM09504	50.1 $\pm$ 0.3 $\mu\text{g/mL}$
chlorpyrifos	002921-88-2	RM14246	50.0 $\pm$ 0.3 $\mu\text{g/mL}$
cyproconazole	094361-06-5	RM09114	50.1 $\pm$ 0.3 $\mu\text{g/mL}$
diazinon	000333-41-5	RM16577	50.1 $\pm$ 0.3 $\mu\text{g/mL}$
dichlorvos	000062-73-7	RM16085	50.2 $\pm$ 0.3 $\mu\text{g/mL}$
difenoconazole	119446-68-3	RM09147	50.1 $\pm$ 0.3 $\mu\text{g/mL}$
diflubenzuron	035367-38-5	RM02949	50.1 $\pm$ 0.3 $\mu\text{g/mL}$
diniconazole	083657-24-3	RM14275	50.1 $\pm$ 0.3 $\mu\text{g/mL}$
edifenphos	017109-49-8	RM15984	50.1 $\pm$ 0.3 $\mu\text{g/mL}$
ethoprop	013194-48-4	RM16362	50.2 $\pm$ 0.3 $\mu\text{g/mL}$
etrimfos	038260-54-7	RM05539	50.2 $\pm$ 0.3 $\mu\text{g/mL}$
fenbuconazole	114369-43-6	RM15441	50.1 $\pm$ 0.3 $\mu\text{g/mL}$
fenhexamid	126833-17-8	RM15391	50.2 $\pm$ 0.3 $\mu\text{g/mL}$

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fenoxycarb	072490-01-8	RM14810	50.0 ± 0.3 µg/mL
fenthion	000055-38-9	RM14291	50.0 ± 0.3 µg/mL
flubendiamide	272451-65-7	RM15440	50.2 ± 0.3 µg/mL
fluquinconazole	136426-54-5	RM15323	50.1 ± 0.3 µg/mL
guthion	000086-50-0	RM14898	50.2 ± 0.3 µg/mL
haloxyfop (free acid)	069806-34-4	RM16766	50.2 ± 0.3 µg/mL
hexaconazole	079983-71-4	RM16570	50.1 ± 0.3 µg/mL
hexaflumuron	086479-06-3	RM14081	50.2 ± 0.3 µg/mL
metconazole	125116-23-6	RM13178	50.1 ± 0.3 µg/mL
tebuconazole	107534-96-3	RM16409	50.1 ± 0.3 µg/mL
teflubenzuron	083121-18-0	RM15412	50.1 ± 0.3 µg/mL
tetraconazole	112281-77-3	RM16746	50.2 ± 0.3 µg/mL
thiacloprid	111988-49-9	RM14388	50.1 ± 0.3 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. □

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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