

Certificate of Analysis

Product Name: LC Pesticide Standard no. 5

Product Number: PSM-105-G

Lot Issue Date: 14-Jul-2020

Lot Number: 0006544784

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
bendiocarb	022781-23-3	RM02829	50.2 $\pm$ 0.3 μ g/mL
benfuracarb	082560-54-1	RM15609	50.2 $\pm$ 0.3 μ g/mL
diethofencarb	087130-20-9	RM10618	50.1 $\pm$ 0.3 μ g/mL
diuron	000330-54-1	RM16016	50.1 $\pm$ 0.3 μ g/mL
ethiofencarb	029973-13-5	RM12689	50.2 $\pm$ 0.3 μ g/mL
fenobucarb	003766-81-2	RM03926	50.2 $\pm$ 0.3 μ g/mL
flufenoxuron	101463-69-8	RM14699	50.2 $\pm$ 0.3 μ g/mL
iprovalicarb	140923-17-7	RM15437	50.1 $\pm$ 0.3 μ g/mL
isoprocarb	002631-40-5	RM11807	50.1 $\pm$ 0.3 μ g/mL
linuron	000330-55-2	RM15558	50.0 $\pm$ 0.3 μ g/mL
malathion	000121-75-5	RM12832	50.2 $\pm$ 0.3 μ g/mL
methabenzthiazuron	018691-97-9	RM14672	50.2 $\pm$ 0.3 μ g/mL
methiocarb	002032-65-7	RM15634	50.2 $\pm$ 0.3 μ g/mL
metolcarb	001129-41-5	RM10680	50.1 $\pm$ 0.3 μ g/mL
monocrotophos	006923-22-4	RM12452	50.0 $\pm$ 0.3 μ g/mL
ofurace	058810-48-3	RM09872	50.2 $\pm$ 0.3 μ g/mL
omethoate	001113-02-6	RM16175	50.2 $\pm$ 0.3 μ g/mL

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Lot Number: 0006544784

pencycuron	066063-05-6	RM13220	50.1 ± 0.3 µg/mL
phenthoate	002597-03-7	RM14079	50.2 ± 0.3 µg/mL
phosalone	002310-17-0	RM16457	50.1 ± 0.3 µg/mL
phosphamidon	013171-21-6	RM15827	50.1 ± 0.3 µg/mL
phoxim	014816-18-3	RM15487	50.1 ± 0.3 µg/mL
piperophos	024151-93-7	RM07114	50.1 ± 0.3 µg/mL
pirimiphos-methyl	029232-93-7	RM16188	50.0 ± 0.3 µg/mL
profenophos	041198-08-7	RM16277	50.2 ± 0.3 µg/mL
pyrazophos	013457-18-6	RM11140	50.1 ± 0.3 µg/mL
quinalphos	013593-03-8	RM09142	50.2 ± 0.3 µg/mL
quizalofop-ethyl	076578-14-8	RM15420	50.2 ± 0.3 µg/mL
thidiazuron	051707-55-2	RM10013	50.1 ± 0.3 µg/mL
thiobencarb	028249-77-6	RM16138	50.2 ± 0.3 µg/mL
thiodicarb	059669-26-0	RM13043	50.1 ± 0.3 µg/mL
triazophos	024017-47-8	RM15653	50.2 ± 0.3 µg/mL
triflumuron	064628-44-0	RM16715	50.2 ± 0.3 µg/mL
vamidothion	002275-23-2	RM09403	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/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.

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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: 3 of 3

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ISO 17025 Cert
No. AT-1937