

Certificate of Analysis

Product Name: LC/MS Pesticide Standard #5

Product Number: 5190-0551-5

Lot Issue Date: 12-May-2020

Lot Number: 0006536313

Expiration Date: 30-Jun-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
aldicarb	000116-06-3	RM14794	100.1 $\pm$ 0.5 μ g/mL
carboxin	005234-68-4	RM03662	100.2 $\pm$ 0.5 μ g/mL
fenobucarb	003766-81-2	RM03926	100.3 $\pm$ 0.5 μ g/mL
fenpropidin	067306-00-7	RM15463	100.5 $\pm$ 0.5 μ g/mL
methabenzthiazuron	018691-97-9	RM14672	100.0 $\pm$ 0.5 μ g/mL
methomyl	016752-77-5	RM16198	100.3 $\pm$ 0.5 μ g/mL
oxamyl	023135-22-0	RM16048	100.4 $\pm$ 0.5 μ g/mL
propamocarb	024579-73-5	RM15960	100.3 $\pm$ 0.5 μ g/mL
pyridaben	096489-71-3	RM05236	100.0 $\pm$ 0.5 μ g/mL
pyriproxyfen	095737-68-1	RM09178	100.3 $\pm$ 0.5 μ g/mL
thiofanox	039196-18-4	RM14819	100.2 $\pm$ 0.5 μ g/mL
alanycarb	083130-01-2	RM12985	100.2 $\pm$ 0.5 μ g/mL
acetamiprid	135410-20-7	RM15438	100.3 $\pm$ 0.5 μ g/mL
azoxystrobin	131860-33-8	RM15985	100.4 $\pm$ 0.5 μ g/mL
dimethomorph	110488-70-5	RM14353	100.1 $\pm$ 0.5 μ g/mL
fenamidone	161326-34-7	RM16084	100.1 $\pm$ 0.5 μ g/mL
fenazaquin	120928-09-8	RM13365	100.3 $\pm$ 0.5 μ g/mL

Certificate of Analysis

Product Number: 5190-0551-5

Lot Number: 0006536313

imidacloprid	138261-41-3	RM09296	100.1 ± 0.5 µg/mL
iprovalicarb	140923-17-7	RM15437	100.3 ± 0.5 µg/mL
methoxyfenozide	161050-58-4	RM09347	100.1 ± 0.5 µg/mL
picoxystrobin	117428-22-5	RM07493	100.1 ± 0.5 µg/mL
pyraclostrobin	175013-18-0	RM16209	100.1 ± 0.5 µg/mL
tebufenozide	112410-23-8	RM09292	100.4 ± 0.5 µg/mL
trifloxystrobin	141517-21-7	RM15494	100.4 ± 0.5 µg/mL
thiacloprid	111988-49-9	RM14469	100.2 ± 0.5 µg/mL
thiamethoxam	153719-23-4	RM15629	100.2 ± 0.5 µg/mL
carbendazim	010605-21-7	RM02697	100.1 ± 0.5 µg/mL
thiodicarb	059669-26-0	RM13043	100.4 ± 0.5 µg/mL
diuron	000330-54-1	RM16016	100.1 ± 0.5 µg/mL
fenpyroximate	134098-61-6	RM12975	100.1 ± 0.5 µg/mL
thiabendazole	000148-79-8	RM09257	100.3 ± 0.5 µg/mL
pyridate	055512-33-9	RM13045	100.3 ± 0.5 µg/mL

Matrix: acetonitrile / DMSO (90:10 v/v)

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/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.

Certificate of Analysis

Product Number: 5190-0551-5

Lot Number: 0006536313

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

www.agilent.com/quality/
CSD-QA-015.1



ISO 17025 Cert
No. AT-1937