

Certificate of Analysis

Product Name: LC/MS Pesticide Standard #5

Product Number: 5190-0551-5

Lot Issue Date: 09-Jul-2021

Lot Number: 0006617843

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
aldicarb	000116-06-3	RM16389-01	100.4 $\pm$ 0.5 μ g/mL
carboxin	005234-68-4	RM03662	100.2 $\pm$ 0.5 μ g/mL
fenobucarb	003766-81-2	RM17478	100.1 $\pm$ 0.5 μ g/mL
fenpropidin	067306-00-7	RM16899	100.3 $\pm$ 0.5 μ g/mL
methabenzthiazuron	018691-97-9	RM17752	100.4 $\pm$ 0.5 μ g/mL
methomyl	016752-77-5	RM17277	100.3 $\pm$ 0.5 μ g/mL
oxamyl	023135-22-0	RM17278	100.4 $\pm$ 0.5 μ g/mL
propamocarb	024579-73-5	RM18242	100.4 $\pm$ 0.5 μ g/mL
pyridaben	096489-71-3	RM18023	100.1 $\pm$ 0.5 μ g/mL
pyriproxyfen	095737-68-1	RM17394	100.1 $\pm$ 0.5 μ g/mL
thiofanox	039196-18-4	RM16872	100.4 $\pm$ 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	RM18162	100.3 $\pm$ 0.5 μ g/mL
dimethomorph	110488-70-5	RM16569	100.4 $\pm$ 0.5 μ g/mL
fenamidone	161326-34-7	RM16777	100.1 $\pm$ 0.5 μ g/mL

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fenazaquin	120928-09-8	RM17228	100.1 ± 0.5 µg/mL
imidacloprid	138261-41-3	RM18120	100.2 ± 0.5 µg/mL
iprovalicarb	140923-17-7	RM15437	100.2 ± 0.5 µg/mL
methoxyfenozide	161050-58-4	RM17162	100.4 ± 0.5 µg/mL
picoxystrobin	117428-22-5	RM16652	100.3 ± 0.5 µg/mL
pyraclostrobin	175013-18-0	RM16209	100.1 ± 0.5 µg/mL
tebufenozide	112410-23-8	RM17502	100.1 ± 0.5 µg/mL
trifloxystrobin	141517-21-7	RM18295	100.4 ± 0.5 µg/mL
thiacloprid	111988-49-9	RM14469	100.2 ± 0.5 µg/mL
thiamethoxam	153719-23-4	RM14789	100.4 ± 0.5 µg/mL
carbendazim	010605-21-7	RM16725	100.4 ± 0.5 µg/mL
thiodicarb	059669-26-0	RM16713	100.4 ± 0.5 µg/mL
diuron	000330-54-1	RM18395	100.4 ± 0.5 µg/mL
fenpyroximate	134098-61-6	RM15302	100.1 ± 0.5 µg/mL
thiabendazole	000148-79-8	RM16859	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.



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: 2 of 3

CSD-QA-015.1



ISO 17025 Cert
No. AT-1937



Certificate of Analysis

Product Number: 5190-0551-5

Lot Number: 0006617843

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

CSD-QA-015.1



ISO 17025 Cert
No. AT-1937