

Certificate of Analysis

Product Name: LC/MS Pesticide Standard #5

Product Number: 5190-0551-5

Lot Issue Date: 02-Nov-2022

Lot Number: 0006711908

Expiration Date: 31-Dec-2023

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	RM19889	100.3 $\pm$ 0.5 $\mu\text{g/mL}$
carboxin	005234-68-4	RM03662	100.3 $\pm$ 0.5 $\mu\text{g/mL}$
fenobucarb	003766-81-2	RM17478	100.2 $\pm$ 0.5 $\mu\text{g/mL}$
fenpropidin	067306-00-7	RM18408	100.2 $\pm$ 0.5 $\mu\text{g/mL}$
methabenzthiazuron	018691-97-9	RM19531	100.3 $\pm$ 0.5 $\mu\text{g/mL}$
methomyl	016752-77-5	RM20198	100.0 $\pm$ 0.5 $\mu\text{g/mL}$
oxamyl	023135-22-0	RM18221	100.0 $\pm$ 0.5 $\mu\text{g/mL}$
propamocarb	024579-73-5	RM18242	100.4 $\pm$ 0.5 $\mu\text{g/mL}$
pyridaben	096489-71-3	RM18768	100.4 $\pm$ 0.5 $\mu\text{g/mL}$
pyriproxyfen	095737-68-1	RM18457	100.3 $\pm$ 0.5 $\mu\text{g/mL}$
thiofanox	039196-18-4	RM16872	100.2 $\pm$ 0.5 $\mu\text{g/mL}$
alanycarb	083130-01-2	RM15595	100.4 $\pm$ 0.5 $\mu\text{g/mL}$
acetamiprid	135410-20-7	RM19987	100.2 $\pm$ 0.5 $\mu\text{g/mL}$
azoxystrobin	131860-33-8	RM19113	100.0 $\pm$ 0.5 $\mu\text{g/mL}$
dimethomorph	110488-70-5	RM16757	100.1 $\pm$ 0.5 $\mu\text{g/mL}$
fenamidone	161326-34-7	RM16777	100.3 $\pm$ 0.5 $\mu\text{g/mL}$

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fenazaquin	120928-09-8	RM17228	100.3 ± 0.5 µg/mL
imidacloprid	138261-41-3	RM19464	100.1 ± 0.5 µg/mL
iprovalicarb	140923-17-7	RM15437	100.4 ± 0.5 µg/mL
methoxyfenozide	161050-58-4	RM18270	100.0 ± 0.5 µg/mL
picoxystrobin	117428-22-5	RM16652	100.5 ± 0.5 µg/mL
pyraclostrobin	175013-18-0	RM18343	100.0 ± 0.5 µg/mL
tebufenozide	112410-23-8	RM16941	100.3 ± 0.5 µg/mL
trifloxystrobin	141517-21-7	RM18295	100.3 ± 0.5 µg/mL
thiacloprid	111988-49-9	RM18341	100.0 ± 0.5 µg/mL
thiamethoxam	153719-23-4	RM14789	100.2 ± 0.5 µg/mL
carbendazim	010605-21-7	RM16725	100.3 ± 0.5 µg/mL
thiodicarb	059669-26-0	RM13043	100.3 ± 0.5 µg/mL
diuron	000330-54-1	RM19112	100.0 ± 0.5 µg/mL
fenpyroximate	134098-61-6	RM15302	100.2 ± 0.5 µg/mL
thiabendazole	000148-79-8	RM16859	100.3 ± 0.5 µg/mL
pyridate	055512-33-9	RM13045	100.4 ± 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 the TUV/SUD registered ISO 9001:2015
Quality Management System. Cert# 951215321

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ISO 17025 Cert
No. AT-1937



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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

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ISO 17025 Cert
No. AT-1937