

Certificate of Analysis

Product Name: LC/MS Pesticide Standard #7

Product Number: 5190-0551-7

Lot Issue Date: 11-May-2023

Lot Number: 0006742436

Expiration Date: 30-Jun-2024

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
rotenone	000083-79-4	RM18796	100.1 $\pm$ 0.5 $\mu\text{g/mL}$
fenuron	000101-42-8	RM02972	100.0 $\pm$ 0.5 $\mu\text{g/mL}$
methoprotryne	000841-06-5	RM18636	100.4 $\pm$ 0.5 $\mu\text{g/mL}$
mexacarbate	000315-18-4	RM19286	100.0 $\pm$ 0.5 $\mu\text{g/mL}$
chloroxuron	001982-47-4	RM02851	100.4 $\pm$ 0.5 $\mu\text{g/mL}$
cycluron	002163-69-1	RM12677	100.2 $\pm$ 0.5 $\mu\text{g/mL}$
dioxacarb	006988-21-2	RM14861	100.0 $\pm$ 0.5 $\mu\text{g/mL}$
methiocarb	002032-65-7	RM20199	100.3 $\pm$ 0.5 $\mu\text{g/mL}$
promecarb	002631-37-0	RM03272	100.0 $\pm$ 0.5 $\mu\text{g/mL}$
temephos	003383-96-8	RM18486	100.2 $\pm$ 0.5 $\mu\text{g/mL}$
abamectin	071751-41-2	RM16771	100.3 $\pm$ 0.5 $\mu\text{g/mL}$
benzoximate	029104-30-1	RM14754	100.1 $\pm$ 0.5 $\mu\text{g/mL}$
chlorotoluron	015545-48-9	RM20508	100.1 $\pm$ 0.5 $\mu\text{g/mL}$
forchlorfenuron	068157-60-8	RM16839	100.4 $\pm$ 0.5 $\mu\text{g/mL}$
furalaxyl	057646-30-7	RM13980	100.3 $\pm$ 0.5 $\mu\text{g/mL}$
hexaflumuron	086479-06-3	RM14081	100.2 $\pm$ 0.5 $\mu\text{g/mL}$

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hydramethylnon	067485-29-4	RM18102	100.2 ± 0.5 µg/mL
ivermectine	070288-86-7	RM11118	100.2 ± 0.5 µg/mL
pyracarbolid	024691-76-7	RM09286	100.2 ± 0.5 µg/mL
secbumeton	026259-45-0	RM12376	100.1 ± 0.5 µg/mL
tebuthiuron	034014-18-1	RM17522	100.1 ± 0.5 µg/mL
thidiazuron	051707-55-2	RM10013	100.4 ± 0.5 µg/mL
dinotefuran	165252-70-0	RM19114	100.2 ± 0.5 µg/mL
flubendiamide	272451-65-7	RM16551	100.2 ± 0.5 µg/mL
moxidectin	113507-06-5	RM17977	100.3 ± 0.5 µg/mL
nitenpyram	150824-47-8	RM17187	100.2 ± 0.5 µg/mL
pymetrozine	123312-89-0	RM13625	100.3 ± 0.5 µg/mL
quinmerac	090717-03-6	RM17249	100.2 ± 0.5 µg/mL
bispyribac-sodium	125401-92-5	RM16727	100.3 ± 0.5 µg/mL
spinosad	168316-95-8	RM18945	100.2 ± 0.5 µg/mL

Matrix: acetonitrile

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/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.

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.



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

Certificate of Analysis

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Lot Number: 0006742436

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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Quality Management System. Cert# 951215321

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ISO 17025 Cert
No. AT-1937