

Certificate of Analysis

Product Name: LC/MS Pesticide Standard #7

Product Number: 5190-0551-7

Lot Issue Date: 12-May-2020

Lot Number: 0006536317

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
rotenone	000083-79-4	RM12468	100.4 $\pm$ 0.5 μ g/mL
fenuron	000101-42-8	RM02972	100.2 $\pm$ 0.5 μ g/mL
methoprotrotyne	000841-06-5	RM14689	100.1 $\pm$ 0.5 μ g/mL
mexacarbate	000315-18-4	RM14903	100.4 $\pm$ 0.5 μ g/mL
chloroxuron	001982-47-4	RM02734	100.4 $\pm$ 0.5 μ g/mL
cycluron	002163-69-1	RM12677	100.4 $\pm$ 0.5 μ g/mL
dioxacarb	006988-21-2	RM14861	100.2 $\pm$ 0.5 μ g/mL
methiocarb	002032-65-7	RM15634	100.4 $\pm$ 0.5 μ g/mL
promecarb	002631-37-0	RM03272	100.4 $\pm$ 0.5 μ g/mL
temephos	003383-96-8	RM06734	100.2 $\pm$ 0.5 μ g/mL
abamectin	071751-41-2	RM13595	100.2 $\pm$ 0.5 μ g/mL
benzoximate	029104-30-1	RM14754	100.5 $\pm$ 0.5 μ g/mL
chlorotoluron	015545-48-9	RM14323	100.4 $\pm$ 0.5 μ g/mL
forchlorfenuron	068157-60-8	RM14176	100.2 $\pm$ 0.5 μ g/mL
furalaxyl	057646-30-7	RM13980	100.2 $\pm$ 0.5 μ g/mL
hexaflumuron	086479-06-3	RM14081	100.2 $\pm$ 0.5 μ g/mL
hydramethylnon	067485-29-4	RM13171	100.2 $\pm$ 0.5 μ g/mL

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ivermectine	070288-86-7	RM11118	100.3 ± 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	RM12946	100.1 ± 0.5 µg/mL
thidiazuron	051707-55-2	RM10013	100.2 ± 0.5 µg/mL
dinotefuran	165252-70-0	RM15227	100.3 ± 0.5 µg/mL
flubendiamide	272451-65-7	RM15440	100.4 ± 0.5 µg/mL
moxidectin	113507-06-5	RM15614	100.2 ± 0.5 µg/mL
nitenpyram	150824-47-8	RM14686	100.1 ± 0.5 µg/mL
pymetrozine	123312-89-0	RM12151	100.2 ± 0.5 µg/mL
quinmerac	090717-03-6	RM10031	100.3 ± 0.5 µg/mL
bispyribac-sodium	125401-92-5	RM14082	100.4 ± 0.5 µg/mL
spinosad	168316-95-8	RM15747	100.3 ± 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/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.

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. □

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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

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ISO 17025 Cert
No. AT-1937