

Certificate of Analysis

Product Name: LC/MS Pesticide Standard #3

Product Number: 5190-0551-3

Lot Issue Date: 12-May-2020

Lot Number: 0006536311

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
phenthoate	002597-03-7	RM14079	100.2 $\pm$ 0.5 μ g/mL
malathion	000121-75-5	RM12832	99.9 $\pm$ 0.5 μ g/mL
propham	000122-42-9	RM03274	100.1 $\pm$ 0.5 μ g/mL
tolyfluanid	000731-27-1	RM16065	100.0 $\pm$ 0.5 μ g/mL
malaoxon	001634-78-2	RM15590	100.1 $\pm$ 0.5 μ g/mL
mevinphos	007786-34-7	RM16040	100.1 $\pm$ 0.5 μ g/mL
molinate	002212-67-1	RM14835	100.4 $\pm$ 0.5 μ g/mL
phosalone	002310-17-0	RM15407	100.2 $\pm$ 0.5 μ g/mL
bitertanol	055179-31-2	RM09739	100.1 $\pm$ 0.5 μ g/mL
clethodim	099129-21-2	RM15689	100.0 $\pm$ 0.5 μ g/mL
etofenprox	080844-07-1	RM09144	100.2 $\pm$ 0.5 μ g/mL
metazachlor	067129-08-2	RM16234	100.0 $\pm$ 0.5 μ g/mL
metolachlor	051218-45-2	RM14834	100.2 $\pm$ 0.5 μ g/mL
oxadiazon	019666-30-9	RM14343	100.1 $\pm$ 0.5 μ g/mL
oxadixyl	077732-09-3	RM15431	100.1 $\pm$ 0.5 μ g/mL
paclobutrazol	076738-62-0	RM11880	100.2 $\pm$ 0.5 μ g/mL
penconazole	066246-88-6	RM09383	100.1 $\pm$ 0.5 μ g/mL

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pendimethalin	040487-42-1	RM16288	100.2 ± 0.5 µg/mL
phosphamidon	013171-21-6	RM15827	100.1 ± 0.5 µg/mL
pirimicarb	023103-98-2	RM09253	100.2 ± 0.5 µg/mL
pirimiphos-methyl	029232-93-7	RM16188	100.3 ± 0.5 µg/mL
procymidone	032809-16-8	RM12692	100.1 ± 0.5 µg/mL
profenophos	041198-08-7	RM15418	100.1 ± 0.5 µg/mL
propetamphos	031218-83-4	RM03252	100.3 ± 0.5 µg/mL
pronamide	023950-58-5	RM14691	100.2 ± 0.5 µg/mL
quinalphos	013593-03-8	RM09142	100.0 ± 0.5 µg/mL
terbufos	013071-79-9	RM09251	100.3 ± 0.5 µg/mL
tolclofos-methyl	057018-04-9	RM12823	100.1 ± 0.5 µg/mL
triadimefon	043121-43-3	RM14288	100.1 ± 0.5 µg/mL
triazophos	024017-47-8	RM15653	100.2 ± 0.5 µg/mL
triflumizole	068694-11-1	RM05439	100.2 ± 0.5 µg/mL
difenoconazole	119446-68-3	RM09147	100.1 ± 0.5 µg/mL
fenhexamid	126833-17-8	RM15391	100.1 ± 0.5 µg/mL
isoxaflutole	141112-29-0	RM03948	100.1 ± 0.5 µg/mL
mepanipyrim	110235-47-7	RM14488	100.1 ± 0.5 µg/mL
picolinafen	137641-05-5	RM13888	100.1 ± 0.5 µg/mL
quinoxiphen	124495-18-7	RM14287	100.2 ± 0.5 µg/mL
tebufenpyrad	119168-77-3	RM09291	100.0 ± 0.5 µg/mL
tepraloxym	149979-41-9	RM14325	100.2 ± 0.5 µg/mL

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mecarbam	002595-54-2	RM15020	100.2 ± 0.5 µg/mL
metalaxyl	057837-19-1	RM09240	100.1 ± 0.5 µg/mL
foramsulfuron	173159-57-4	RM03000	100.1 ± 0.5 µg/mL
methidathion	000950-37-8	RM03745	100.3 ± 0.5 µg/mL
indoxacarb	173584-44-6	RM10019	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.

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 RepresentativeISO 17034 Cert No.
AR-1936RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality
Management System. Cert # 56 100 18560026

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CSD-QA-015.1ISO 17025 Cert
No. AT-1937