

Certificate of Analysis

Product Name: LC/MS Pesticide Standard #3

Product Number: 5190-0551-3

Lot Issue Date: 02-Nov-2022

Lot Number: 0006711906

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
phenthoate	002597-03-7	RM18396	100.4 $\pm$ 0.5 $\mu\text{g/mL}$
malathion	000121-75-5	RM19727	99.6 $\pm$ 0.5 $\mu\text{g/mL}$
propham	000122-42-9	RM03273	100.0 $\pm$ 0.5 $\mu\text{g/mL}$
tolyfluanid	000731-27-1	RM10540	100.5 $\pm$ 0.5 $\mu\text{g/mL}$
malaoxon	001634-78-2	RM18949	100.2 $\pm$ 0.5 $\mu\text{g/mL}$
mevinphos	007786-34-7	RM20290	100.3 $\pm$ 0.5 $\mu\text{g/mL}$
molinate	002212-67-1	RM20592	100.3 $\pm$ 0.5 $\mu\text{g/mL}$
phosalone	002310-17-0	RM18450	100.5 $\pm$ 0.5 $\mu\text{g/mL}$
bitertanol	055179-31-2	RM09739	100.3 $\pm$ 0.5 $\mu\text{g/mL}$
clethodim	099129-21-2	RM19674	100.2 $\pm$ 0.5 $\mu\text{g/mL}$
etofenprox	080844-07-1	RM18181	100.0 $\pm$ 0.5 $\mu\text{g/mL}$
metazachlor	067129-08-2	RM19530	100.5 $\pm$ 0.5 $\mu\text{g/mL}$
metolachlor	051218-45-2	RM20184	100.4 $\pm$ 0.5 $\mu\text{g/mL}$
oxadiazon	019666-30-9	RM12855	100.5 $\pm$ 0.5 $\mu\text{g/mL}$
oxadixyl	077732-09-3	RM15431	100.5 $\pm$ 0.5 $\mu\text{g/mL}$
paclobutrazol	076738-62-0	RM13366	100.3 $\pm$ 0.5 $\mu\text{g/mL}$

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penconazole	066246-88-6	RM16889	100.0 ± 0.5 µg/mL
pendimethalin	040487-42-1	RM18372	100.5 ± 0.5 µg/mL
phosphamidon	013171-21-6	RM17280	99.9 ± 0.5 µg/mL
pirimicarb	023103-98-2	RM17940	100.5 ± 0.5 µg/mL
pirimiphos-methyl	029232-93-7	RM17920	100.3 ± 0.5 µg/mL
procymidone	032809-16-8	RM17154	100.4 ± 0.5 µg/mL
profenophos	041198-08-7	RM17863	100.2 ± 0.5 µg/mL
propetamphos	031218-83-4	RM03252	100.0 ± 0.5 µg/mL
pronamide	023950-58-5	RM17904	100.0 ± 0.5 µg/mL
quinalphos	013593-03-8	RM17284	100.5 ± 0.5 µg/mL
terbufos	013071-79-9	RM19158	99.6 ± 0.5 µg/mL
tolclofos-methyl	057018-04-9	RM15666	100.2 ± 0.5 µg/mL
triadimefon	043121-43-3	RM14288	100.1 ± 0.5 µg/mL
triazophos	024017-47-8	RM19670	100.3 ± 0.5 µg/mL
triflumizole	068694-11-1	RM16710	100.5 ± 0.5 µg/mL
difenoconazole	119446-68-3	RM18288	99.9 ± 0.5 µg/mL
fenhexamid	126833-17-8	RM16641	100.1 ± 0.5 µg/mL
isoxaflutole	141112-29-0	RM03077	100.5 ± 0.5 µg/mL
mepanipyrim	110235-47-7	RM14488	99.9 ± 0.5 µg/mL
picolinafen	137641-05-5	RM03287	100.2 ± 0.5 µg/mL
quinoxiphen	124495-18-7	RM14287	100.4 ± 0.5 µg/mL

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tebufenpyrad	119168-77-3	RM09291	99.9 ± 0.5 µg/mL
tepraloxym	149979-41-9	RM12573	100.3 ± 0.5 µg/mL
mecarbam	002595-54-2	RM15020	100.5 ± 0.5 µg/mL
metalaxyl	057837-19-1	RM18358	100.5 ± 0.5 µg/mL
foramsulfuron	173159-57-4	RM17137	100.4 ± 0.5 µg/mL
methidathion	000950-37-8	RM03745	100.5 ± 0.5 µg/mL
indoxacarb	173584-44-6	RM17218	100.5 ± 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.



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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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
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ISO 17025 Cert
No. AT-1937