

Certificate of Analysis

Product Name: LC Pesticide Standard no. 1

Product Number: PSM-105-C

Lot Issue Date: 15-Jul-2020

Lot Number: 0006544777

Expiration Date: 31-Aug-2022

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
benthiavalicarb-isopropyl	177406-68-7	RM11910	50.2 $\pm$ 0.3 μ g/mL
bitertanol	055179-31-2	RM09739	50.0 $\pm$ 0.3 μ g/mL
bromacil	000314-40-9	RM14333	50.1 $\pm$ 0.3 μ g/mL
buprofezin	069327-76-0	RM14458	50.0 $\pm$ 0.3 μ g/mL
carbaryl	000063-25-2	RM15786	50.1 $\pm$ 0.3 μ g/mL
clethodim	099129-21-2	RM15689	50.2 $\pm$ 0.3 μ g/mL
clomazone	081777-89-1	RM15978	50.1 $\pm$ 0.3 μ g/mL
cyazofamid	120116-88-3	RM14969	50.0 $\pm$ 0.3 μ g/mL
cymoxanil	057966-95-7	RM15732	50.1 $\pm$ 0.3 μ g/mL
dimethenamid	087674-68-8	RM15123	50.2 $\pm$ 0.3 μ g/mL
dimethomorph	110488-70-5	RM14353	50.1 $\pm$ 0.3 μ g/mL
ethoxyquin	000091-53-2	RM16199	50.1 $\pm$ 0.3 μ g/mL
etofenprox	080844-07-1	RM16359	50.1 $\pm$ 0.3 μ g/mL
famoxadone	131807-57-3	RM10238	50.0 $\pm$ 0.3 μ g/mL
fenoxaprop ethyl	066441-23-4	RM10416	50.0 $\pm$ 0.3 μ g/mL
fenpyroximate	134098-61-6	RM15302	50.1 $\pm$ 0.3 μ g/mL
hexythiazox	078587-05-0	RM12032	50.1 $\pm$ 0.3 μ g/mL

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iprobefos	026087-47-8	RM15967	50.1 ± 0.3 µg/mL
mandipropamid	374726-62-2	RM14916	50.0 ± 0.3 µg/mL
methoxyfenozone	161050-58-4	RM09347	50.2 ± 0.3 µg/mL
molinate	002212-67-1	RM14835	50.1 ± 0.3 µg/mL
myclobutanil	088671-89-0	RM16045	50.1 ± 0.3 µg/mL
propanil	000709-98-8	RM03260	50.1 ± 0.3 µg/mL
propaquizafop	111479-05-1	RM08243	50.1 ± 0.3 µg/mL
pyriproxyfen	095737-68-1	RM09178	50.2 ± 0.3 µg/mL
spirodiclofen	148477-71-8	RM09070	50.1 ± 0.3 µg/mL
thiamethoxam	153719-23-4	RM14789	50.1 ± 0.3 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-1936RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality
Management System. Cert # 56 100 18560026

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www.agilent.com/quality/ISO 17025 Cert
No. AT-1937

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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 No.
AR-1936

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