

Certificate of Analysis

Product Name: LC Pesticide Standard no. 1

Product Number: PSM-105-C

Lot Issue Date: 11-Jan-2021

Lot Number: 0006581656

Expiration Date: 28-Feb-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
benthiavalicarb-isopropyl	177406-68-7	RM17215	50.0 $\pm$ 0.3 $\mu\text{g/mL}$
bitertanol	055179-31-2	RM17103	49.9 $\pm$ 0.2 $\mu\text{g/mL}$
bromacil	000314-40-9	RM17291	50.0 $\pm$ 0.3 $\mu\text{g/mL}$
buprofezin	069327-76-0	RM16728	50.1 $\pm$ 0.3 $\mu\text{g/mL}$
carbaryl	000063-25-2	RM16704	49.9 $\pm$ 0.2 $\mu\text{g/mL}$
clethodim	099129-21-2	RM17286	50.1 $\pm$ 0.3 $\mu\text{g/mL}$
clomazone	081777-89-1	RM17419	50.1 $\pm$ 0.3 $\mu\text{g/mL}$
cyazofamid	120116-88-3	RM17188	49.8 $\pm$ 0.2 $\mu\text{g/mL}$
cymoxanil	057966-95-7	RM15732	50.0 $\pm$ 0.3 $\mu\text{g/mL}$
dimethenamid	087674-68-8	RM17097	50.0 $\pm$ 0.3 $\mu\text{g/mL}$
dimethomorph	110488-70-5	RM16569	49.9 $\pm$ 0.2 $\mu\text{g/mL}$
ethoxyquin	000091-53-2	RM16199	50.0 $\pm$ 0.3 $\mu\text{g/mL}$
etofenprox	080844-07-1	RM16359	49.9 $\pm$ 0.2 $\mu\text{g/mL}$
famoxadone	131807-57-3	RM17288	49.9 $\pm$ 0.2 $\mu\text{g/mL}$
fenoxaprop ethyl	066441-23-4	RM16469	50.1 $\pm$ 0.3 $\mu\text{g/mL}$
fenpyroximate	134098-61-6	RM15302	50.1 $\pm$ 0.3 $\mu\text{g/mL}$
hexythiazox	078587-05-0	RM16812	50.1 $\pm$ 0.3 $\mu\text{g/mL}$

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iprobefos	026087-47-8	RM16765	50.1 ± 0.3 µg/mL
mandipropamid	374726-62-2	RM16774	50.0 ± 0.3 µg/mL
methoxyfenozone	161050-58-4	RM17162	50.1 ± 0.3 µg/mL
molinate	002212-67-1	RM14835	49.9 ± 0.2 µg/mL
myclobutanil	088671-89-0	RM17158	50.0 ± 0.3 µg/mL
propanil	000709-98-8	RM03261	50.0 ± 0.3 µg/mL
propaquizafop	111479-05-1	RM17104	50.0 ± 0.3 µg/mL
pyriproxyfen	095737-68-1	RM17170	50.1 ± 0.3 µg/mL
spirodiclofen	148477-71-8	RM09070	50.0 ± 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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CSD-QA-015.1ISO 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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