

Certificate of Analysis

Product Name: Carbamate Pesticides Standard

Product Number: PPM-632A-1

Lot Issue Date: 22-Oct-2020

Lot Number: 0006566216

Expiration Date: 30-Nov-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
aminocarb	002032-59-9	RM16272	100.4 $\pm$ 0.5 μ g/mL
barban	000101-27-9	RM10772	100.1 $\pm$ 0.5 μ g/mL
carbaryl	000063-25-2	RM16704	100.3 $\pm$ 0.5 μ g/mL
carbofuran	001563-66-2	RM17145	100.4 $\pm$ 0.5 μ g/mL
chlorpropham	000101-21-3	RM03671	100.4 $\pm$ 0.5 μ g/mL
diuron	000330-54-1	RM16818	100.4 $\pm$ 0.5 μ g/mL
fenuron	000101-42-8	RM02972	100.3 $\pm$ 0.5 μ g/mL
fluometuron	002164-17-2	RM12971	100.4 $\pm$ 0.5 μ g/mL
linuron	000330-55-2	RM16759	100.3 $\pm$ 0.5 μ g/mL
methiocarb	002032-65-7	RM16358	100.2 $\pm$ 0.5 μ g/mL
methomyl	016752-77-5	RM17148	100.2 $\pm$ 0.5 μ g/mL
mexacarbate	000315-18-4	RM14903	100.4 $\pm$ 0.5 μ g/mL
monuron	000150-68-5	RM12469	100.4 $\pm$ 0.5 μ g/mL
neburon	000555-37-3	RM14707	100.4 $\pm$ 0.5 μ g/mL
oxamyl	023135-22-0	RM16485	100.2 $\pm$ 0.5 μ g/mL
propham	000122-42-9	RM03274	100.4 $\pm$ 0.5 μ g/mL
propoxur	000114-26-1	RM16246	100.4 $\pm$ 0.5 μ g/mL

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siduron (mix of isomers) 001982-49-6 RM03313 100.4 ± 0.5 µg/mL

SWEP 001918-18-9 RM03322 100.4 ± 0.5 µg/mL

Matrix: methanol (methyl alcohol)**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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www.agilent.com/quality/
CSD-QA-015.1ISO 17025 Cert
No. AT-1937