

Certificate of Analysis

Product Name: FDA Pesticide Standard GC no. 4

Product Number: PSM-101-D

Lot Issue Date: 01-Jul-2020

Lot Number: 0006544765

Expiration Date: 31-Jul-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
2,4'-DDT	000789-02-6	RM16475	100.1 $\pm$ 0.5 μ g/mL
bromopropylate	018181-80-1	RM10418	100.4 $\pm$ 0.5 μ g/mL
DEF	000078-48-8	RM12735	100.5 $\pm$ 0.5 μ g/mL
dichlofluanid	001085-98-9	RM06937	100.2 $\pm$ 0.5 μ g/mL
dimethachlor	050563-36-5	RM11948	100.2 $\pm$ 0.5 μ g/mL
ethiolate	002941-55-1	RM11122	100.3 $\pm$ 0.5 μ g/mL
ethoxyquin	000091-53-2	RM16199	100.2 $\pm$ 0.5 μ g/mL
fenthion	000055-38-9	RM14881	100.1 $\pm$ 0.5 μ g/mL
flucythrinate	070124-77-5	RM16254	100.1 $\pm$ 0.5 μ g/mL
fluvalinate	069409-94-5	RM11629	100.0 $\pm$ 0.5 μ g/mL
iprobenfos	026087-47-8	RM15967	100.2 $\pm$ 0.5 μ g/mL
oxyfluorfen	042874-03-3	RM03175	100.1 $\pm$ 0.5 μ g/mL
pendimethalin	040487-42-1	RM16288	100.4 $\pm$ 0.5 μ g/mL
pronamide	023950-58-5	RM14691	100.2 $\pm$ 0.5 μ g/mL
quinalphos	013593-03-8	RM09142	100.1 $\pm$ 0.5 μ g/mL
terbuthylazine	005915-41-3	RM09282	100.0 $\pm$ 0.5 μ g/mL
prothiophos	034643-46-4	RM15364	100.2 $\pm$ 0.5 μ g/mL

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triphenyl phosphate

000115-86-6

RM14905

100.0 ± 0.5 µg/mL

Matrix: acetone

Storage Conditions: Store at Room Temperature (15° to 30°C).

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL 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 Representative



ISO 17034 Cert No.
AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026

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ISO 17025 Cert
No. AT-1937