

Certificate of Analysis

Product Name: FDA Pesticide Standard GC no. 5

Product Number: PSM-101-E

Lot Issue Date: 20-Oct-2020

Lot Number: 0006565002

Expiration Date: 30-Nov-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'-DDE	003424-82-6	RM15085	100.5 $\pm$ 0.5 $\mu\text{g/mL}$
2,6-diisopropylnaphthalene	024157-81-1	RM09901	100.4 $\pm$ 0.5 $\mu\text{g/mL}$
benfluralin	001861-40-1	RM00683	100.2 $\pm$ 0.5 $\mu\text{g/mL}$
chlorothalonil	001897-45-6	RM15959	100.2 $\pm$ 0.5 $\mu\text{g/mL}$
cycloate	001134-23-2	RM16258	100.3 $\pm$ 0.5 $\mu\text{g/mL}$
cyfluthrin	068359-37-5	RM09294	100.0 $\pm$ 0.5 $\mu\text{g/mL}$
dicofol	000115-32-2	RM14743	100.1 $\pm$ 0.5 $\mu\text{g/mL}$
endosulfan sulfate	001031-07-8	RM15389	100.3 $\pm$ 0.5 $\mu\text{g/mL}$
endrin	000072-20-8	RM14459	100.4 $\pm$ 0.5 $\mu\text{g/mL}$
fenamiphos	022224-92-6	RM02968	100.1 $\pm$ 0.5 $\mu\text{g/mL}$
fipronil	120068-37-3	RM15604	100.3 $\pm$ 0.5 $\mu\text{g/mL}$
fluopicolide	239110-15-7	RM11845	100.1 $\pm$ 0.5 $\mu\text{g/mL}$
heptachlor epoxide - isomer B	001024-57-3	RM17040	100.2 $\pm$ 0.5 $\mu\text{g/mL}$
methoprene	040596-69-8	RM16142	100.4 $\pm$ 0.5 $\mu\text{g/mL}$
prallethrin	023031-36-9	RM16411	100.4 $\pm$ 0.5 $\mu\text{g/mL}$
propanil	000709-98-8	RM03260	100.2 $\pm$ 0.5 $\mu\text{g/mL}$
resmethrin	010453-86-8	RM11175	100.1 $\pm$ 0.5 $\mu\text{g/mL}$

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simazine	000122-34-9	RM00622	100.4 ± 0.5 µg/mL
tetramethrin	007696-12-0	RM16228	100.3 ± 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/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 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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CSD-QA-015.1



ISO 17025 Cert
No. AT-1937