

Certificate of Analysis

Product Name: FDA Pesticide Standard GC no. 2

Product Number: PSM-101-B

Lot Issue Date: 10-Nov-2020

Lot Number: 0006571338

Expiration Date: 31-Dec-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-phenylphenol	000090-43-7	RM09146	100.3 $\pm$ 0.5 μ g/mL
bifenthrin	082657-04-3	RM15401	100.4 $\pm$ 0.5 μ g/mL
DCPA	001861-32-1	RM12906	100.1 $\pm$ 0.5 μ g/mL
diphenylamine	000122-39-4	RM12958	100.0 $\pm$ 0.5 μ g/mL
endosulfan I	000959-98-8	RM16973	100.5 $\pm$ 0.5 μ g/mL
endosulfan II	033213-65-9	RM14844	100.4 $\pm$ 0.5 μ g/mL
etofenprox	080844-07-1	RM16887	100.2 $\pm$ 0.5 μ g/mL
fenpropathrin	039515-41-8	RM14340	100.0 $\pm$ 0.5 μ g/mL
fenvalerate	051630-58-1	RM09132	100.0 $\pm$ 0.5 μ g/mL
hexachlorobenzene	000118-74-1	RM03125	100.4 $\pm$ 0.5 μ g/mL
iprodione	036734-19-7	RM16880	100.2 $\pm$ 0.5 μ g/mL
lambda-cyhalothrin	091465-08-6	RM16050	100.0 $\pm$ 0.5 μ g/mL
tetradifon	000116-29-0	RM16748	100.4 $\pm$ 0.5 μ g/mL
tolclofos-methyl	057018-04-9	RM12823	100.2 $\pm$ 0.5 μ g/mL
tolyfluanid	000731-27-1	RM16065	100.4 $\pm$ 0.5 μ g/mL
trans-chlordane	005103-74-2	RM02726	100.2 $\pm$ 0.5 μ g/mL
trans-permethrin	061949-77-7	RM16541	100.3 $\pm$ 0.5 μ g/mL

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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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www.agilent.com/quality/
CSD-QA-015.1



ISO 17025 Cert
No. AT-1937