

Certificate of Analysis

Product Name: FDA Pesticide Standard GC no. 1

Product Number: PSM-101-A

Lot Issue Date: 29-Jun-2020

Lot Number: 0006544580

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
4,4'-DDT	000050-29-3	RM00618	100.3 $\pm$ 0.5 μ g/mL
alpha-BHC	000319-84-6	RM14886	100.3 $\pm$ 0.5 μ g/mL
beta-BHC	000319-85-7	RM15392	100.0 $\pm$ 0.5 μ g/mL
biphenyl	000092-52-4	NT01492	100.0 $\pm$ 0.5 μ g/mL
chlorpropham	000101-21-3	RM03671	100.3 $\pm$ 0.5 μ g/mL
cis-1,2,3,6-tetrahydrophthalimide	001469-48-3	RM01526	100.1 $\pm$ 0.5 μ g/mL
delta-BHC	000319-86-8	RM09156	100.2 $\pm$ 0.5 μ g/mL
dichloran	000099-30-9	RM00430	100.1 $\pm$ 0.5 μ g/mL
fenitrothion	000122-14-5	RM09238	100.0 $\pm$ 0.5 μ g/mL
metaldehyde	009002-91-9	RM09714	100.2 $\pm$ 0.5 μ g/mL
metolachlor	051218-45-2	RM14834	100.1 $\pm$ 0.5 μ g/mL
pentachloroaniline	000527-20-8	NT01960	100.0 $\pm$ 0.5 μ g/mL
pentachloroanisole	001825-21-4	RM02457	100.3 $\pm$ 0.5 μ g/mL
pentachlorobenzene	000608-93-5	RM03776	100.1 $\pm$ 0.5 μ g/mL
quintozone	000082-68-8	RM12207	100.2 $\pm$ 0.5 μ g/mL
phosalone	002310-17-0	RM16457	100.0 $\pm$ 0.5 μ g/mL
procymidone	032809-16-8	RM12692	100.0 $\pm$ 0.5 μ g/mL

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tecnazene	000117-18-0	RM09213	100.3 ± 0.5 µg/mL
trifluralin	001582-09-8	RM09256	100.1 ± 0.5 µg/mL
vinclozolin	050471-44-8	RM09254	100.2 ± 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