

Certificate of Analysis

Product Name: GC Pesticide Standard no. 1

Product Number: PSM-105-A

Lot Issue Date: 15-Jul-2020

Lot Number: 0006544758

Expiration Date: 31-Aug-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
anilofos	064249-01-0	RM15785	50.1 $\pm$ 0.3 $\mu\text{g/mL}$
BHC-mix	000608-73-1	RM00754	50.1 $\pm$ 0.3 $\mu\text{g/mL}$
bifenthrin	082657-04-3	RM15401	50.0 $\pm$ 0.3 $\mu\text{g/mL}$
bromobutide	074712-19-9	RM09884	50.1 $\pm$ 0.3 $\mu\text{g/mL}$
butachlor	023184-66-9	RM16046	50.0 $\pm$ 0.3 $\mu\text{g/mL}$
captan	000133-06-2	RM02848	50.0 $\pm$ 0.3 $\mu\text{g/mL}$
chlordane (technical grade)	000057-74-9	RM02727	50.1 $\pm$ 0.3 $\mu\text{g/mL}$
chlorfenapyr	122453-73-0	RM15241	50.0 $\pm$ 0.3 $\mu\text{g/mL}$
cyfluthrin	068359-37-5	RM10927	50.1 $\pm$ 0.3 $\mu\text{g/mL}$
DDT-mix	008017-34-3	RM03978	50.1 $\pm$ 0.3 $\mu\text{g/mL}$
deltamethrin	052918-63-5	RM09138	50.0 $\pm$ 0.3 $\mu\text{g/mL}$
disulfoton	000298-04-4	RM16408	50.1 $\pm$ 0.3 $\mu\text{g/mL}$
endosulfan sulfate	001031-07-8	RM15389	50.0 $\pm$ 0.3 $\mu\text{g/mL}$
endrin	000072-20-8	RM14459	50.1 $\pm$ 0.3 $\mu\text{g/mL}$
ethalfluralin	055283-68-6	RM03735	50.1 $\pm$ 0.3 $\mu\text{g/mL}$
fenpropathrin	039515-41-8	RM14340	50.0 $\pm$ 0.3 $\mu\text{g/mL}$
fenvalerate	051630-58-1	RM09132	50.1 $\pm$ 0.3 $\mu\text{g/mL}$

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fipronil	120068-37-3	rm16749	50.2 ± 0.3 µg/mL
flucythrinate	070124-77-5	RM16254	50.1 ± 0.3 µg/mL
fthalande	027355-22-2	RM11951	50.1 ± 0.3 µg/mL
halfenprox	111872-58-3	RM11952	50.1 ± 0.3 µg/mL
indanofan	133220-30-1	RM10686	50.0 ± 0.3 µg/mL
indoxacarb	173584-44-6	RM14665	50.1 ± 0.3 µg/mL
lambda-cyhalothrin	091465-08-6	RM16050	50.0 ± 0.3 µg/mL
methyl parathion	000298-00-0	RM16386	50.2 ± 0.3 µg/mL
parathion (ethyl)	000056-38-2	RM16023	50.1 ± 0.3 µg/mL
permethrins (mixed isomers,total)	052645-53-1	RM10687	50.0 ± 0.3 µg/mL
pyridalyl	179101-81-6	RM15491	50.2 ± 0.3 µg/mL
tetradifon	000116-29-0	RM12822	50.0 ± 0.3 µg/mL
thifluzamide	130000-40-7	RM10453	50.0 ± 0.3 µg/mL
tralomethrin	066841-25-6	RM09720	50.0 ± 0.3 µg/mL

Matrix: acetone

Storage Conditions: Store Refrigerated (2° - 8°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. □

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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