

Reference Material Certificate

Product Name: FDA Pesticide Standard GC/LC no. 2
Product Number: PSM-101-M
Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006670089
Lot Issue Date: 28-Mar-2022
Expiration Date: 30-Apr-2023

Component Name	CERTIFIED VALUES			CAS#	Analyte Lot
	Concentration	Expanded Uncertainty			
atrazine	100.4	± 0.5 µg/mL		001912-24-9	RM17497
bifenazate	100.3	± 0.5 µg/mL		149877-41-8	RM16876
cyproconazole	100.1	± 0.5 µg/mL		094361-06-5	RM09114
dichlorvos	100.0	± 0.5 µg/mL		000062-73-7	RM18318
diethofencarb	100.1	± 0.5 µg/mL		087130-20-9	RM10618
difenoconazole	100.1	± 0.5 µg/mL		119446-68-3	RM18288
dimethomorph	100.1	± 0.5 µg/mL		110488-70-5	RM16757
ethion	100.2	± 0.5 µg/mL		000563-12-2	RM18180
fenamidone	100.3	± 0.5 µg/mL		161326-34-7	RM16777
fenarimol	100.0	± 0.5 µg/mL		060168-88-9	RM13668
fenbuconazole	100.1	± 0.5 µg/mL		114369-43-6	RM15441
isocarbofos	100.4	± 0.5 µg/mL		024353-61-5	RM15033
penconazole	100.4	± 0.5 µg/mL		066246-88-6	RM16889
pirimicarb	100.1	± 0.5 µg/mL		023103-98-2	RM17940
spirodiclofen	100.3	± 0.5 µg/mL		148477-71-8	RM17062
tebuconazole	100.0	± 0.5 µg/mL		107534-96-3	RM18300
thiamethoxam	100.2	± 0.5 µg/mL		153719-23-4	RM14789
triadimenol	100.2	± 0.5 µg/mL		055219-65-3	RM16846
triazophos	100.0	± 0.5 µg/mL		024017-47-8	RM18299
tricyclazole	100.1	± 0.5 µg/mL		041814-78-2	RM18884

Matrix: acetonitrile

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard 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 above.

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 analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

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Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated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.

Safety:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:

This analytical reference standard 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.

Expiration of Certification:

The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material 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 the TUV/SUD registered ISO 9001:2015
Quality Management System. Cert# 951215321

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CSD-QA-015.1



ISO 17025 Cert
No. AT-1937