

Reference Material Certificate

Product Name: Custom pesticide test mix #4 (1mL)
Product Number: CUS-00000638
Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006672670
Lot Issue Date: 01-Apr-2022
Expiration Date: 31-May-2023

Component Name	CERTIFIED VALUES			CAS#	Analyte Lot
	Concentration	Expanded	Uncertainty		
disulfoton sulfone	100.2	±	0.5 µg/mL	002497-06-5	RM17962
disulfoton-sulfoxide	100.0	±	0.5 µg/mL	002497-07-6	RM16894
ditalimfos	100.4	±	0.5 µg/mL	005131-24-8	RM19495
DMSA	100.0	±	0.5 µg/mL	004710-17-2	RM02933
DMST	100.4	±	0.5 µg/mL	066840-71-9	RM16662
dodemorph	100.3	±	0.5 µg/mL	001593-77-7	RM13398
dodine	100.4	±	0.5 µg/mL	002439-10-3	RM09376
doramectin	100.2	±	0.5 µg/mL	117704-25-3	RM14207
emamectin	100.1	±	0.5 µg/mL	119791-41-2	RM12132
eprinomectin	100.3	±	0.5 µg/mL	123997-26-2	RM09267
EPTC	100.3	±	0.5 µg/mL	000759-94-4	RM02957
etaconazole	100.1	±	0.5 µg/mL	060207-93-4	RM11274
ethiofencarb	100.3	±	0.5 µg/mL	029973-13-5	RM15433
ethiofencarb sulfone	100.2	±	0.5 µg/mL	053380-23-7	RM15004
ethiofencarb sulfoxide	100.3	±	0.5 µg/mL	053380-22-6	RM17579
ethiprole	100.5	±	0.5 µg/mL	181587-01-9	RM14891-01
ethoprop	100.1	±	0.5 µg/mL	013194-48-4	RM18817
famphur	100.0	±	0.5 µg/mL	000052-85-7	RM19068
fenamiphos sulfone	100.1	±	0.5 µg/mL	031972-44-8	RM13695
fenamiphos-sulfoxide	100.1	±	0.5 µg/mL	031972-43-7	RM16739
fenchlorazol-ethyl	100.0	±	0.5 µg/mL	103112-35-2	RM02976
fenchlorphos-oxon	100.3	±	0.5 µg/mL	003983-45-7	RM13010
fenfuram	100.5	±	0.5 µg/mL	024691-80-3	RM11286
2,4,5-TP	100.3	±	0.5 µg/mL	000093-72-1	RM04637
fenoxaprop	100.3	±	0.5 µg/mL	095617-09-7	RM04890
fenoxaprop ethyl	100.1	±	0.5 µg/mL	066441-23-4	RM17316
fenpropimorph	100.4	±	0.5 µg/mL	067564-91-4	RM14854
ethoxysulfuron	100.4	±	0.5 µg/mL	126801-58-9	RM18125

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 RepresentativeISO 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