

Certificate of Analysis

Product Name: LC/MS Pesticide Standard #2

Product Number: 5190-0551-2

Lot Issue Date: 24-Feb-2023

Lot Number: 0006731261

Expiration Date: 31-Mar-2024

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
coumaphos	000056-72-4	RM20148	100.1 $\pm$ 0.5 μ g/mL
chlorfenvinphos	000470-90-6	RM17125	100.5 $\pm$ 0.5 μ g/mL
ethion	000563-12-2	RM19164	100.4 $\pm$ 0.5 μ g/mL
chlorpyriphos	002921-88-2	RM19801	100.0 $\pm$ 0.5 μ g/mL
chlorpyriphos-methyl	005598-13-0	RM18118	100.0 $\pm$ 0.5 μ g/mL
vamidothion	002275-23-2	RM16806	100.5 $\pm$ 0.5 μ g/mL
azamethiphos	035575-96-3	RM04164	100.3 $\pm$ 0.5 μ g/mL
benalaxyl	071626-11-4	RM14262	100.1 $\pm$ 0.5 μ g/mL
bifenthrin	082657-04-3	RM18240	100.4 $\pm$ 0.5 μ g/mL
diniconazole	083657-24-3	RM19556	100.0 $\pm$ 0.5 μ g/mL
ethoprop	013194-48-4	RM19842	100.1 $\pm$ 0.5 μ g/mL
fenarimol	060168-88-9	RM13668	100.3 $\pm$ 0.5 μ g/mL
flusilazole	085509-19-9	RM18742	100.0 $\pm$ 0.5 μ g/mL
hexaconazole	079983-71-4	RM16570	100.1 $\pm$ 0.5 μ g/mL
imazalil	035554-44-0	RM18431	100.2 $\pm$ 0.5 μ g/mL
propiconazole	060207-90-1	RM17177	100.0 $\pm$ 0.5 μ g/mL

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tricyclazole	041814-78-2	RM20756	100.5 ± 0.5 µg/mL
uniconazole	083657-22-1	RM17798	100.5 ± 0.5 µg/mL
bromuconazole	116255-48-2	RM14714	100.0 ± 0.5 µg/mL
fenbuconazole	114369-43-6	RM15441	100.2 ± 0.5 µg/mL
fluquinconazole	136426-54-5	RM15323	100.4 ± 0.5 µg/mL
ipconazole	125225-28-7	RM09412	100.1 ± 0.5 µg/mL
metconazole	125116-23-6	RM17856	100.0 ± 0.5 µg/mL
tebuconazole	107534-96-3	RM18300	100.2 ± 0.5 µg/mL
tetraconazole	112281-77-3	RM17523	100.4 ± 0.5 µg/mL
triticonazole	131983-72-7	RM18772	100.3 ± 0.5 µg/mL
diazinon	000333-41-5	RM20194	100.2 ± 0.5 µg/mL
fludioxonil	131341-86-1	RM15292	100.1 ± 0.5 µg/mL
bupirimate	041483-43-6	RM09043	100.5 ± 0.5 µg/mL
dichlorvos	000062-73-7	RM20059	100.4 ± 0.5 µg/mL
epoxiconazole	133855-98-8	RM13872	100.2 ± 0.5 µg/mL

Matrix: acetonitrile

Storage Conditions: Store Frozen (-25° to -10°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.



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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ISO 17025 Cert
No. AT-1937

Certificate of Analysis

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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

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ISO 17025 Cert
No. AT-1937