

Certificate of Analysis

Product Name: LC/MS Pesticide Standard #4

Product Number: 5190-0551-4

Lot Issue Date: 03-Nov-2022

Lot Number: 0006711907

Expiration Date: 31-Dec-2023

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
deet	000134-62-3	RM02761	100.2 $\pm$ 0.5 μ g/mL
linuron	000330-55-2	RM19254	100.4 $\pm$ 0.5 μ g/mL
aminocarb	002032-59-9	RM16272	100.3 $\pm$ 0.5 μ g/mL
fuberidazole	003878-19-1	RM03733	100.2 $\pm$ 0.5 μ g/mL
propargite	002312-35-8	RM19066	100.3 $\pm$ 0.5 μ g/mL
quinoclamine	002797-51-5	RM13911	100.3 $\pm$ 0.5 μ g/mL
prometon	001610-18-0	RM17206	100.2 $\pm$ 0.5 μ g/mL
butocarboxim	034681-10-2	RM18191	100.3 $\pm$ 0.5 μ g/mL
clofentezine	074115-24-5	RM17374	100.4 $\pm$ 0.5 μ g/mL
ethirimol	023947-60-6	RM15486	100.2 $\pm$ 0.5 μ g/mL
ethofumesate	026225-79-6	RM00842	100.1 $\pm$ 0.5 μ g/mL
hexythiazox	078587-05-0	RM16812	100.1 $\pm$ 0.5 μ g/mL
isoxaben	082558-50-7	RM03094	100.4 $\pm$ 0.5 μ g/mL
phenmedipham	013684-63-4	RM17436	100.4 $\pm$ 0.5 μ g/mL
phoxim	014816-18-3	RM18338	100.4 $\pm$ 0.5 μ g/mL
prosulfocarb	052888-80-9	RM12327	100.4 $\pm$ 0.5 μ g/mL

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Lot Number: 0006711907

triflumuron	064628-44-0	RM16885	100.3 ± 0.5 µg/mL
boscalid	188425-85-6	RM16703	100.3 ± 0.5 µg/mL
carfentrazone-ethyl	128639-02-1	RM12779	100.2 ± 0.5 µg/mL
cyazofamid	120116-88-3	RM18366	100.2 ± 0.5 µg/mL
famoxadone	131807-57-3	RM17510	100.2 ± 0.5 µg/mL
fipronil	120068-37-3	RM18462	100.4 ± 0.5 µg/mL
flufenoxuron	101463-69-8	RM14699	100.3 ± 0.5 µg/mL
kresoxim-methyl	143390-89-0	RM18114	100.4 ± 0.5 µg/mL
lufenuron	103055-07-8	RM18359	100.1 ± 0.5 µg/mL
mandipropamid	374726-62-2	RM14916-01	100.3 ± 0.5 µg/mL
metaflumizone	139968-49-3	RM18245	100.4 ± 0.5 µg/mL
metrafenone	220899-03-6	RM18317	100.4 ± 0.5 µg/mL
novaluron	116714-46-6	RM17139	100.2 ± 0.5 µg/mL
propaquizafop	111479-05-1	RM17104	100.3 ± 0.5 µg/mL
silthiofam	175217-20-6	RM12229	100.1 ± 0.5 µg/mL
tribenuron-methyl (technical)	101200-48-0	RM16252	100.1 ± 0.5 µg/mL
diflubenzuron	035367-38-5	RM02949	100.4 ± 0.5 µg/mL
teflubenzuron	083121-18-0	RM15412	100.2 ± 0.5 µg/mL
metribuzin	021087-64-9	RM18308	100.3 ± 0.5 µg/mL
chloridazon	001698-60-8	RM17858	100.1 ± 0.5 µg/mL
cymoxanil	057966-95-7	RM15732	100.4 ± 0.5 µg/mL

Certificate of Analysis

Product Number: 5190-0551-4

Lot Number: 0006711907

benfuracarb	082560-54-1	RM18241	100.4 ± 0.5 µg/mL
chlorsulfuron	064902-72-3	RM15159	100.2 ± 0.5 µg/mL
metsulfuron methyl	074223-64-6	RM03235	100.5 ± 0.5 µg/mL
thifensulfuron methyl	079277-27-3	RM17159	100.2 ± 0.5 µg/mL
triasulfuron	082097-50-5	RM18342	100.5 ± 0.5 µg/mL
amidosulfuron	120923-37-7	RM02660	100.2 ± 0.5 µg/mL
nicosulfuron	111991-09-4	RM18123	100.4 ± 0.5 µg/mL
oxasulfuron	144651-06-9	RM03176	100.2 ± 0.5 µg/mL
rimsulfuron	122931-48-0	RM15637	100.1 ± 0.5 µg/mL
flazasulfuron	104040-78-0	RM18166	100.3 ± 0.5 µg/mL
metamitron	041394-05-2	RM17726	100.4 ± 0.5 µg/mL
isocarbofos	024353-61-5	RM15033	100.1 ± 0.5 µg/mL
monocrotophos	006923-22-4	RM16638	100.4 ± 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/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.



ISO 17034 Cert
No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015
Quality Management System. Cert# 951215321

Page: 3 of 4

CSD-QA-015.1



ISO 17025 Cert
No. AT-1937

Certificate of Analysis

Product Number: 5190-0551-4

Lot Number: 0006711907

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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Page: 4 of 4

CSD-QA-015.1



ISO 17025 Cert
No. AT-1937