

Certificate of Analysis

Product Name: LC/MS Pesticide Standard #4

Product Number: 5190-0551-4

Lot Issue Date: 12-May-2020

Lot Number: 0006536312

Expiration Date: 30-Jun-2021

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	RM12894	100.3 $\pm$ 0.5 μ g/mL
linuron	000330-55-2	RM15558	100.1 $\pm$ 0.5 μ g/mL
aminocarb	002032-59-9	RM16272	100.2 $\pm$ 0.5 μ g/mL
fuferidazole	003878-19-1	RM03733	100.4 $\pm$ 0.5 μ g/mL
propargite	002312-35-8	RM15406	100.4 $\pm$ 0.5 μ g/mL
quinoclamine	002797-51-5	RM10494	100.3 $\pm$ 0.5 μ g/mL
prometon	001610-18-0	RM15598	100.4 $\pm$ 0.5 μ g/mL
butocarboxim	034681-10-2	RM10764	100.2 $\pm$ 0.5 μ g/mL
clofentezine	074115-24-5	RM14474	100.4 $\pm$ 0.5 μ g/mL
ethirimol	023947-60-6	RM14139	100.4 $\pm$ 0.5 μ g/mL
ethofumesate	026225-79-6	RM00842	100.4 $\pm$ 0.5 μ g/mL
hexythiazox	078587-05-0	RM12032	100.3 $\pm$ 0.5 μ g/mL
isoxaben	082558-50-7	RM03094	100.3 $\pm$ 0.5 μ g/mL
phenmedipham	013684-63-4	RM10612	100.4 $\pm$ 0.5 μ g/mL
phoxim	014816-18-3	RM15487	100.2 $\pm$ 0.5 μ g/mL
prosulfocarb	052888-80-9	RM12327	100.2 $\pm$ 0.5 μ g/mL
triflumuron	064628-44-0	RM14276	100.1 $\pm$ 0.5 μ g/mL

Certificate of Analysis

Product Number: 5190-0551-4

Lot Number: 0006536312

boscalid	188425-85-6	RM09348	100.1 ± 0.5 µg/mL
carfentrazone-ethyl	128639-02-1	RM12779	100.3 ± 0.5 µg/mL
cyazofamid	120116-88-3	RM14969	100.1 ± 0.5 µg/mL
famoxadone	131807-57-3	RM10238	100.2 ± 0.5 µg/mL
fipronil	120068-37-3	RM15604	100.2 ± 0.5 µg/mL
flufenoxuron	101463-69-8	RM14699	100.1 ± 0.5 µg/mL
kresoxim-methyl	143390-89-0	RM09176	100.2 ± 0.5 µg/mL
lufenuron	103055-07-8	RM14024	100.3 ± 0.5 µg/mL
mandipropamid	374726-62-2	RM14916	100.4 ± 0.5 µg/mL
metaflumizone	139968-49-3	RM14906	100.3 ± 0.5 µg/mL
metrafenone	220899-03-6	RM09456	100.2 ± 0.5 µg/mL
novaluron	116714-46-6	RM14804	100.1 ± 0.5 µg/mL
propaquizafop	111479-05-1	RM08243	100.4 ± 0.5 µg/mL
silthiofam	175217-20-6	RM12229	100.4 ± 0.5 µg/mL
tribenuron-methyl (technical)	101200-48-0	RM04938	100.2 ± 0.5 µg/mL
diflubenzuron	035367-38-5	RM02950	100.3 ± 0.5 µg/mL
teflubenzuron	083121-18-0	RM15412	100.4 ± 0.5 µg/mL
metribuzin	021087-64-9	RM16121	100.3 ± 0.5 µg/mL
chloridazon	001698-60-8	RM11036	100.2 ± 0.5 µg/mL
cymoxanil	057966-95-7	RM15732	100.1 ± 0.5 µg/mL
benfuracarb	082560-54-1	RM15609	100.1 ± 0.5 µg/mL
chlorsulfuron	064902-72-3	RM15159	100.1 ± 0.5 µg/mL

Certificate of Analysis

Product Number: 5190-0551-4**Lot Number:** 0006536312

metsulfuron methyl	074223-64-6	RM03235	100.5 ± 0.5 µg/mL
thifensulfuron methyl	079277-27-3	RM12645	100.3 ± 0.5 µg/mL
triasulfuron	082097-50-5	RM14080	100.1 ± 0.5 µg/mL
amidosulfuron	120923-37-7	RM02660	100.3 ± 0.5 µg/mL
nicosulfuron	111991-09-4	RM15608	100.3 ± 0.5 µg/mL
oxasulfuron	144651-06-9	RM03176	100.3 ± 0.5 µg/mL
rimsulfuron	122931-48-0	RM13640	100.1 ± 0.5 µg/mL
flazasulfuron	104040-78-0	RM15636	100.1 ± 0.5 µg/mL
metamitron	041394-05-2	RM09370	100.3 ± 0.5 µg/mL
isocarbofos	024353-61-5	RM15033-01	100.4 ± 0.5 µg/mL
monocrotophos	006923-22-4	RM12452	100.3 ± 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.

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.

ISO 17034 Cert No.
AR-1936RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality
Management System. Cert # 56 100 18560026

Page: 3 of 4

www.agilent.com/quality/
CSD-QA-015.1ISO 17025 Cert
No. AT-1937

Certificate of Analysis

Product Number: 5190-0551-4

Lot Number: 0006536312

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

Page: 4 of 4

www.agilent.com/quality/
CSD-QA-015.1



ISO 17025 Cert
No. AT-1937