

Certificate of Analysis

Product Name: LC/MS Pesticide Standard #4

Product Number: 5190-0551-4

Lot Issue Date: 09-Jul-2021

Lot Number: 0006617842

Expiration Date: 31-Aug-2022

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 ± Uncertainty
deet	000134-62-3	RM02761	100.0 ± 0.5 µg/mL
linuron	000330-55-2	RM17509	100.2 ± 0.5 µg/mL
aminocarb	002032-59-9	RM16272	99.8 ± 0.5 µg/mL
fuberidazole	003878-19-1	RM03733	100.1 ± 0.5 µg/mL
propargite	002312-35-8	RM16332	100.1 ± 0.5 µg/mL
quinoclamine	002797-51-5	RM10494	100.2 ± 0.5 µg/mL
prometon	001610-18-0	RM15598	99.8 ± 0.5 µg/mL
butocarboxim	034681-10-2	RM18191	100.3 ± 0.5 µg/mL
clofentezine	074115-24-5	RM17287	100.2 ± 0.5 µg/mL
ethirimol	023947-60-6	RM15486	100.2 ± 0.5 µg/mL
ethofumesate	026225-79-6	RM00842	100.0 ± 0.5 µg/mL
hexythiazox	078587-05-0	RM16119	100.3 ± 0.5 µg/mL
isoxaben	082558-50-7	RM03089	99.8 ± 0.5 µg/mL
phenmedipham	013684-63-4	RM17436	99.8 ± 0.5 µg/mL
phoxim	014816-18-3	RM17353	100.2 ± 0.5 µg/mL
prosulfocarb	052888-80-9	RM12327	99.8 ± 0.5 µg/mL

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Lot Number: 0006617842

triflumuron	064628-44-0	RM16715	99.9 ± 0.5 µg/mL
boscalid	188425-85-6	RM16703	100.3 ± 0.5 µg/mL
carfentrazone-ethyl	128639-02-1	RM12779	100.1 ± 0.5 µg/mL
cyazofamid	120116-88-3	RM17188	99.9 ± 0.5 µg/mL
famoxadone	131807-57-3	RM17430	100.2 ± 0.5 µg/mL
fipronil	120068-37-3	RM18462	100.1 ± 0.5 µg/mL
flufenoxuron	101463-69-8	RM14699	99.9 ± 0.5 µg/mL
kresoxim-methyl	143390-89-0	RM16788	99.7 ± 0.5 µg/mL
lufenuron	103055-07-8	RM17160	99.7 ± 0.5 µg/mL
mandipropamid	374726-62-2	RM14916	99.7 ± 0.5 µg/mL
metaflumizone	139968-49-3	RM14906	99.8 ± 0.5 µg/mL
metrafenone	220899-03-6	RM17191	100.0 ± 0.5 µg/mL
novaluron	116714-46-6	RM17139	100.0 ± 0.5 µg/mL
propaquizafop	111479-05-1	RM17104	100.2 ± 0.5 µg/mL
silthiofam	175217-20-6	RM17492	99.8 ± 0.5 µg/mL
tribenuron-methyl (technical)	101200-48-0	RM04938	99.9 ± 0.5 µg/mL
diflubenzuron	035367-38-5	RM02950	100.0 ± 0.5 µg/mL
teflubenzuron	083121-18-0	RM15412	100.1 ± 0.5 µg/mL
metribuzin	021087-64-9	RM17793	99.7 ± 0.5 µg/mL
chloridazon	001698-60-8	RM16208	99.9 ± 0.5 µg/mL
cymoxanil	057966-95-7	RM15732	100.0 ± 0.5 µg/mL

Certificate of Analysis

Product Number: 5190-0551-4

Lot Number: 0006617842

benfuracarb	082560-54-1	RM16680	100.0 ± 0.5 µg/mL
chlorsulfuron	064902-72-3	RM15159	100.1 ± 0.5 µg/mL
metsulfuron methyl	074223-64-6	RM03235	99.7 ± 0.5 µg/mL
thifensulfuron methyl	079277-27-3	RM17159	99.9 ± 0.5 µg/mL
triasulfuron	082097-50-5	RM18342	99.7 ± 0.5 µg/mL
amidosulfuron	120923-37-7	RM02660	100.0 ± 0.5 µg/mL
nicosulfuron	111991-09-4	RM18123	100.3 ± 0.5 µg/mL
oxasulfuron	144651-06-9	RM03176	100.1 ± 0.5 µg/mL
rimsulfuron	122931-48-0	RM15637	99.9 ± 0.5 µg/mL
flazasulfuron	104040-78-0	RM15636	99.8 ± 0.5 µg/mL
metamitron	041394-05-2	RM17726	99.9 ± 0.5 µg/mL
isocarbofos	024353-61-5	RM15033	100.0 ± 0.5 µg/mL
monocrotophos	006923-22-4	RM16638	100.0 ± 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.

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 TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026

Page: 3 of 4

CSD-QA-015.1



ISO 17025 Cert
No. AT-1937

Certificate of Analysis

Product Number: 5190-0551-4

Lot Number: 0006617842

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

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026

Page: 4 of 4

CSD-QA-015.1



ISO 17025 Cert
No. AT-1937