

Certificate of Analysis

ISO 17034

LC/MS Pesticide Standard #4

Product Number: 5190-0551-4

Page: 1 of 3

Lot Number: 0006489741

Lot Issue Date: 19-Sep-2019

Expiration Date: 31-Oct-2020

This ISO 17034 Reference Material (RM) was manufactured and verified in accordance with Agilent's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	Purity %	True Value
deet	000134-62-3	RM02761	98	100.0 ± 0.5 µg/mL
linuron	000330-55-2	RM14683	99.5	100.1 ± 0.5 µg/mL
aminocarb	002032-59-9	RM02656	98	100.0 ± 0.5 µg/mL
fuberidazole	003878-19-1	RM03733	98.8	100.2 ± 0.5 µg/mL
propargite	002312-35-8	rm14909	98.5	100.4 ± 0.5 µg/mL
quinoclamine	002797-51-5	RM10494	99	100.3 ± 0.5 µg/mL
prometon	001610-18-0	RM13286	98.3	100.1 ± 0.5 µg/mL
butocarboxim	034681-10-2	RM10764	99.8	100.0 ± 0.5 µg/mL
clofentezine	074115-24-5	RM14474	99.5	100.2 ± 0.5 µg/mL
ethirimol	023947-60-6	RM12004	99.9	100.1 ± 0.5 µg/mL
ethofumesate	026225-79-6	RM00842	99.5	100.0 ± 0.5 µg/mL
hexythiazox	078587-05-0	RM12032	99.5	100.1 ± 0.5 µg/mL
isoxaben	082558-50-7	RM03089	97.8	100.3 ± 0.5 µg/mL
phenmedipham	013684-63-4	RM10612	99.9	100.4 ± 0.5 µg/mL
phoxim	014816-18-3	RM13641	98.9	100.0 ± 0.5 µg/mL
prosulfocarb	052888-80-9	RM12327	99	100.4 ± 0.5 µg/mL
triflumuron	064628-44-0	RM10735	99.5	100.2 ± 0.5 µg/mL
boscalid	188425-85-6	RM09348	99.6	100.2 ± 0.5 µg/mL



ISO 17034 Cert No.
AR-1936

Produced in accordance with TUV USA Inc 56 100 18560026
registered ISO 9001 Quality Management System



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Analyte	CAS#	Analyte Lot	Purity %	True Value
carfentrazone-ethyl	128639-02-1	RM12779	98	100.1 ± 0.5 µg/mL
cyazofamid	120116-88-3	RM14969	98.9	100.4 ± 0.5 µg/mL
famoxadone	131807-57-3	RM09148	99.9	100.0 ± 0.5 µg/mL
fipronil	120068-37-3	RM14818	98.7	100.3 ± 0.5 µg/mL
flufenoxuron	101463-69-8	RM14699	98.1	100.2 ± 0.5 µg/mL
kresoxim-methyl	143390-89-0	RM09176	97.6	100.1 ± 0.5 µg/mL
lufenuron	103055-07-8	RM14024	98.5	100.2 ± 0.5 µg/mL
mandipropamid	374726-62-2	RM11846	98.2	100.1 ± 0.5 µg/mL
metaflumizone	139968-49-3	RM14906	99.4	100.1 ± 0.5 µg/mL
metrafenone	220899-03-6	RM13221	99.5	100.0 ± 0.5 µg/mL
novaluron	116714-46-6	RM10976	99.5	100.4 ± 0.5 µg/mL
propaquizafop	111479-05-1	RM11843	97.9	100.0 ± 0.5 µg/mL
silthiofam	175217-20-6	RM12229	99.7	100.4 ± 0.5 µg/mL
tribenuron-methyl (technical)	101200-48-0	RM04938	99	100.2 ± 0.5 µg/mL
diflubenzuron	035367-38-5	RM02949	99	100.3 ± 0.5 µg/mL
teflubenzuron	083121-18-0	RM10517	99	100.1 ± 0.5 µg/mL
metribuzin	021087-64-9	RM14478	99.4	100.4 ± 0.5 µg/mL
chloridazon	001698-60-8	RM11036	99.7	100.4 ± 0.5 µg/mL
cymoxanil	057966-95-7	RM11774	99.9	100.1 ± 0.5 µg/mL
benfuracarb	082560-54-1	RM09073	96.7	100.2 ± 0.5 µg/mL
chlorsulfuron	064902-72-3	RM15159	99.2	100.0 ± 0.5 µg/mL



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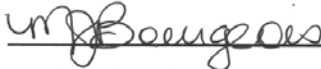
Expiration Date: 31-Oct-2020

Analyte	CAS#	Analyte Lot	Purity %	True Value
metsulfuron methyl	074223-64-6	RM03235	98	100.4 ± 0.5 µg/mL
thifensulfuron methyl	079277-27-3	RM12645	99.5	100.0 ± 0.5 µg/mL
triasulfuron	082097-50-5	RM14080	99.3	100.3 ± 0.5 µg/mL
amidosulfuron	120923-37-7	RM02832	97.5	100.2 ± 0.5 µg/mL
nicosulfuron	111991-09-4	RM13839	99.5	100.2 ± 0.5 µg/mL
oxasulfuron	144651-06-9	RM03176	97	100.0 ± 0.5 µg/mL
rimisulfuron	122931-48-0	RM13640	98.5	100.2 ± 0.5 µg/mL
flazasulfuron	104040-78-0	RM14767	99.5	100.3 ± 0.5 µg/mL
metamitron	041394-05-2	RM09370	99.9	100.1 ± 0.5 µg/mL
isocarbofos	024353-61-5	RM15033-01	96	100.2 ± 0.5 µg/mL
monocrotophos	006923-22-4	RM12452	99.8	100.4 ± 0.5 µg/mL

Matrix: acetonitrile

Storage: Store Frozen (-25° to -10°C).

Agilent uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCCL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.


Monica Bourgeois
QMS Representative



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