

Certificate of Analysis

ISO Guide 34

LC/MS Pesticide Standard #4

Product Number: 5190-0551-4

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Lot Number: CS-4717

Lot Issue Date: 27-Sep-2018

Expiration Date: 31-Oct-2019

This ISO Guide 34 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	100.5 ± 0.5 µg/mL
linuron	000330-55-2	RM10693	99.1	100.1 ± 0.5 µg/mL
aminocarb	002032-59-9	RM02656	98	100.5 ± 0.5 µg/mL
fuberidazole	003878-19-1	RM03733	98.8	100.3 ± 0.5 µg/mL
propargite	002312-35-8	RM13808	98.5	100.5 ± 0.5 µg/mL
quinoclamine	002797-51-5	RM11054	98.7	100.2 ± 0.5 µg/mL
prometon	001610-18-0	RM13286	98.3	100.3 ± 0.5 µg/mL
butocarboxim	034681-10-2	RM10764	99.8	100.3 ± 0.5 µg/mL
clofentezine	074115-24-5	RM11764	99.5	100.0 ± 0.5 µg/mL
ethirimol	023947-60-6	RM12004	99.9	100.4 ± 0.5 µg/mL
ethofumesate	026225-79-6	RM10744	98.9	100.4 ± 0.5 µg/mL
hexythiazox	078587-05-0	RM12032	99.5	100.0 ± 0.5 µg/mL
isoxaben	082558-50-7	RM03089	97.8	100.2 ± 0.5 µg/mL
phenmedipham	013684-63-4	RM10612	99.9	100.4 ± 0.5 µg/mL
phoxim	014816-18-3	RM13641	98.9	100.4 ± 0.5 µg/mL
prosulfocarb	052888-80-9	RM12327	99	100.0 ± 0.5 µg/mL
triflumuron	064628-44-0	RM10735	99.5	100.0 ± 0.5 µg/mL
boscalid	188425-85-6	RM06699	99.9	100.4 ± 0.5 µg/mL



ISO Guide 34 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	100.5 ± 0.5 µg/mL
cyazofamid	120116-88-3	RM12761	98.9	100.4 ± 0.5 µg/mL
famoxadone	131807-57-3	RM09148	99.9	100.4 ± 0.5 µg/mL
fipronil	120068-37-3	RM09140	98.8	100.3 ± 0.5 µg/mL
flufenoxuron	101463-69-8	RM05398	97.6	100.0 ± 0.5 µg/mL
kresoxim-methyl	143390-89-0	RM09176	97.6	100.0 ± 0.5 µg/mL
lufenuron	103055-07-8	RM10934	98	100.5 ± 0.5 µg/mL
mandipropamid	374726-62-2	RM11846	98.2	100.2 ± 0.5 µg/mL
metaflumizone	139968-49-3	RM06493	99.3	100.3 ± 0.5 µg/mL
metrafenone	220899-03-6	RM09456	99.9	100.4 ± 0.5 µg/mL
novaluron	116714-46-6	RM10976	99.5	100.0 ± 0.5 µg/mL
propaquizafop	111479-05-1	RM08243	99.4	100.4 ± 0.5 µg/mL
silthiofam	175217-20-6	RM12229	99.7	100.2 ± 0.5 µg/mL
tribenuron-methyl (technical)	101200-48-0	RM04938	99	100.0 ± 0.5 µg/mL
diflubenzuron	035367-38-5	NT02133	99	100.0 ± 0.5 µg/mL
teflubenzuron	083121-18-0	RM07117	98	100.5 ± 0.5 µg/mL
metribuzin	021087-64-9	RM12942	99.4	100.4 ± 0.5 µg/mL
chloridazon	001698-60-8	RM11036	99.7	100.2 ± 0.5 µg/mL
cymoxanil	057966-95-7	RM11774	99.9	100.4 ± 0.5 µg/mL
benfuracarb	082560-54-1	RM09073	96.7	100.1 ± 0.5 µg/mL
chlorsulfuron	064902-72-3	RM11796	98.7	100.2 ± 0.5 µg/mL



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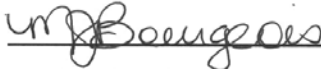
Expiration Date: 31-Oct-2019

Analyte	CAS#	Analyte Lot	Purity %	True Value
metsulfuron methyl	074223-64-6	RM03235	98	100.5 ± 0.5 µg/mL
thifensulfuron methyl	079277-27-3	RM03438	99.5	100.0 ± 0.5 µg/mL
triasulfuron	082097-50-5	RM03404	98	100.5 ± 0.5 µg/mL
amidosulfuron	120923-37-7	RM02660	97.5	100.4 ± 0.5 µg/mL
nicosulfuron	111991-09-4	RM10464	99.5	100.0 ± 0.5 µg/mL
oxasulfuron	144651-06-9	RM03176	97	100.4 ± 0.5 µg/mL
rimisulfuron	122931-48-0	RM12762	98.5	100.0 ± 0.5 µg/mL
flazasulfuron	104040-78-0	RM13479	98.7	100.2 ± 0.5 µg/mL
metamitron	041394-05-2	RM09370	99.9	100.4 ± 0.5 µg/mL
isocarbofos	024353-61-5	RM12438	96.3	100.2 ± 0.5 µg/mL
monocrotophos	006923-22-4	RM12452	99.8	100.3 ± 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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