



Certificate of Analysis

LC/MS Pesticide Standard #4

Part Number: 5190-0551-4

Lot Number: CT-1390

Date of release:

19 March 2019

Date of expiration:

30 April 2020

This analytical reference material was manufactured and verified in accordance with an ISO 9001 registered quality system, and the analyte concentrations were verified by an ISO 17025 accredited laboratory. The certified value for each analyte was determined gravimetrically.

Analyte	CAS#	Analyte Lot	Purity %	True Value
deet	000134-62-3	RM12894	98.5	100.1 ± 0.5 µg/mL
linuron	000330-55-2	RM10693	99.1	100.4 ± 0.5 µg/mL
aminocarb	002032-59-9	RM02656	98.0	100.5 ± 0.5 µg/mL
fuberidazole	003878-19-1	RM12283	99.5	100.4 ± 0.5 µg/mL
propargite	002312-35-8	RM13808	98.5	100.3 ± 0.5 µg/mL
quinoclamine	002797-51-5	RM10494	99.0	100.2 ± 0.5 µg/mL
prometon	001610-18-0	RM13286	98.3	100.2 ± 0.5 µg/mL
butocarboxim	034681-10-2	RM10764	99.8	100.1 ± 0.5 µg/mL
clofentezine	074115-24-5	RM14474	99.5	100.4 ± 0.5 µg/mL
ethirimol	023947-60-6	RM14139	99.4	100.2 ± 0.5 µg/mL
ethofumesate	026225-79-6	RM10195	98.9	100.3 ± 0.5 µg/mL
hexythiazox	078587-05-0	RM12032	99.5	100.3 ± 0.5 µg/mL
isoxaben	082558-50-7	RM03089	97.8	100.4 ± 0.5 µg/mL
phenmedipham	013684-63-4	RM10612	99.9	100.2 ± 0.5 µg/mL
phoxim	014816-18-3	RM13641	98.9	100.4 ± 0.5 µg/mL
prosulfocarb	052888-80-9	RM12327	99.0	100.4 ± 0.5 µg/mL
triflumuron	064628-44-0	RM10735	99.5	100.4 ± 0.5 µg/mL
boscalid	188425-85-6	RM09348	99.6	100.2 ± 0.5 µg/mL



Certificate of Analysis

LC/MS Pesticide Standard #4

Part Number: 5190-0551-4

Lot Number: CT-1390

Date of release:

Date of expiration:

19 March 2019

30 April 2020

Analyte	CAS#	Analyte Lot	Purity %	True Value
carfentrazone-ethyl	128639-02-1	RM12779	98.0	100.5 ± 0.5 µg/mL
cyazofamid	120116-88-3	RM11777	98.4	100.2 ± 0.5 µg/mL
famoxadone	131807-57-3	RM09148	99.9	100.4 ± 0.5 µg/mL
fipronil	120068-37-3	RM09140	98.8	100.4 ± 0.5 µg/mL
flufenoxuron	101463-69-8	RM05398	97.6	100.4 ± 0.5 µg/mL
kresoxim-methyl	143390-89-0	RM09176	97.6	100.4 ± 0.5 µg/mL
lufenuron	103055-07-8	RM14024	98.5	100.4 ± 0.5 µg/mL
mandipropamid	374726-62-2	RM11846	98.2	100.4 ± 0.5 µg/mL
metaflumizone	139968-49-3	RM12146	99.4	100.4 ± 0.5 µg/mL
metrafenone	220899-03-6	RM13221	99.5	100.3 ± 0.5 µg/mL
novaluron	116714-46-6	RM10976	99.5	100.1 ± 0.5 µg/mL
propaquizafop	111479-05-1	RM08243	99.4	100.3 ± 0.5 µg/mL
silthiofam	175217-20-6	RM12229	99.7	100.4 ± 0.5 µg/mL
tribenuron-methyl (technical)	101200-48-0	RM04938	99.0	100.2 ± 0.5 µg/mL
diflubenzuron	035367-38-5	RM14695	99.5	100.1 ± 0.5 µg/mL
teflubenzuron	083121-18-0	RM10517	99.0	100.4 ± 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	100.2 ± 0.5 µg/mL
benfuracarb	082560-54-1	RM12465	96.1	100.4 ± 0.5 µg/mL
chlorsulfuron	064902-72-3	RM02776	98.0	100.3 ± 0.5 µg/mL



Certificate of Analysis

LC/MS Pesticide Standard #4

Part Number: 5190-0551-4

Lot Number: CT-1390

Date of release:

Date of expiration:

19 March 2019

30 April 2020

Analyte	CAS#	Analyte Lot	Purity %	True Value
metsulfuron methyl	074223-64-6	RM03235	98.0	100.5 ± 0.5 µg/mL
thifensulfuron methyl	079277-27-3	RM12645	99.5	100.3 ± 0.5 µg/mL
triasulfuron	082097-50-5	RM03404	98.0	100.4 ± 0.5 µg/mL
amidosulfuron	120923-37-7	RM02660	97.5	100.1 ± 0.5 µg/mL
nicosulfuron	111991-09-4	RM13839	99.5	100.4 ± 0.5 µg/mL
oxasulfuron	144651-06-9	RM03176	97.0	100.2 ± 0.5 µg/mL
rimsulfuron	122931-48-0	RM13640	98.5	100.4 ± 0.5 µg/mL
flazasulfuron	104040-78-0	RM13479	98.7	100.2 ± 0.5 µg/mL
metamitron	041394-05-2	RM03164	99.8	100.2 ± 0.5 µg/mL
isocarbofos	024353-61-5	RM12438	96.3	100.3 ± 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).

Calibrated Class A glassware and clean bottles were used in the manufacture of this standard. Balances used in the manufacture of this standard are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001.

Monica Bourgeois
QMS Representative