



Certificate of Analysis

LC/MS Pesticide Standard #4

Part Number: 5190-0551-4

Lot Number: CR-4939

Date of Release: 30-Nov 2017

Date of Expiration: 30-Nov 2018

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	RM02761	98.0 %	100.5 ± 0.5 µg/mL
linuron	000330-55-2	RM09235	99.2 %	100.1 ± 0.5 µg/mL
aminocarb	002032-59-9	RM02833	99.0 %	100.4 ± 0.5 µg/mL
fuberidazole	003878-19-1	RM03733	98.8 %	100.2 ± 0.5 µg/mL
propargite	002312-35-8	RM12061	98.9 %	100.2 ± 0.5 µg/mL
quinoclamine	002797-51-5	RM11054	98.7 %	100.3 ± 0.5 µg/mL
prometon	001610-18-0	RM09505	99.5 %	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 %	100.2 ± 0.5 µg/mL
ethirimol	023947-60-6	RM12004	99.9 %	100.4 ± 0.5 µg/mL
ethofumesate	026225-79-6	RM00842	99.5 %	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 %	100.2 ± 0.5 µg/mL
phenmedipham	013684-63-4	RM10612	99.9 %	100.4 ± 0.5 µg/mL
phoxim	014816-18-3	RM03236	99.5 %	100.4 ± 0.5 µg/mL
pro sulfocarb	052888-80-9	RM05574	99.0 %	100.3 ± 0.5 µg/mL
triflumuron	064628-44-0	RM10735	99.5 %	100.4 ± 0.5 µg/mL
boscalid	188425-85-6	RM06699	99.9 %	100.2 ± 0.5 µg/mL
carfentrazone-ethyl	128639-02-1	RM10172	97.4 %	100.4 ± 0.5 µg/mL
cyazofamid	120116-88-3	RM11777	98.4 %	100.4 ± 0.5 µg/mL
famoxadone	131807-57-3	RM09148	99.9 %	100.3 ± 0.5 µg/mL
fipronil	120068-37-3	RM04088	98.2 %	100.3 ± 0.5 µg/mL
flufenoxuron	101463-69-8	RM05398	97.6 %	100.1 ± 0.5 µg/mL
kresoxim-methyl	143390-89-0	RM09176	97.6 %	100.3 ± 0.5 µg/mL
lufenuron	103055-07-8	RM10934	98.0 %	100.3 ± 0.5 µg/mL
mandipropamid	374726-62-2	RM11846	98.2 %	100.4 ± 0.5 µg/mL
metaflumizone	139968-49-3	RM12146	99.4 %	100.3 ± 0.5 µg/mL
metrafenone	220899-03-6	RM11867	99.5 %	100.4 ± 0.5 µg/mL
novaluron	116714-46-6	RM10976	99.5 %	100.3 ± 0.5 µg/mL
propaquizafop	111479-05-1	RM08243	99.4 %	100.4 ± 0.5 µg/mL
silthiofam	175217-20-6	RM12229	99.7 %	100.4 ± 0.5 µg/mL



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tribenuron-methyl (technical)	101200-48-0	RM04938	99.0 %	100.1 ± 0.5 µg/mL
diflubenzuron	035367-38-5	RM02950	99.0 %	100.3 ± 0.5 µg/mL
teflubenzuron	083121-18-0	RM07117	98.0 %	100.3 ± 0.5 µg/mL
metribuzin	021087-64-9	RM12942	99.4 %	100.1 ± 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	RM09073	96.7 %	100.3 ± 0.5 µg/mL
chlorsulfuron	064902-72-3	RM11796	98.7 %	100.1 ± 0.5 µg/mL
metsulfuron methyl	074223-64-6	RM03235	98.0 %	100.4 ± 0.5 µg/mL
thifensulfuron methyl	079277-27-3	RM03438	99.5 %	100.1 ± 0.5 µg/mL
triasulfuron	082097-50-5	RM03404	98.0 %	100.1 ± 0.5 µg/mL
amidosulfuron	120923-37-7	RM02832	97.5 %	100.1 ± 0.5 µg/mL
nicosulfuron	111991-09-4	RM09297	99.5 %	100.4 ± 0.5 µg/mL
oxasulfuron	144651-06-9	RM03176	97.0 %	100.3 ± 0.5 µg/mL
rimsulfuron	122931-48-0	RM11522	99.1 %	100.2 ± 0.5 µg/mL
flazasulfuron	104040-78-0	RM11844	98.7 %	100.4 ± 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 %	100.4 ± 0.5 µg/mL

Solvent: 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


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