



Certificate of Analysis

Pesticide MSD Mix-4

Product Number: CUS-18795-4

Page: 1 of 2

Lot Number: CM-6151

Lot Issue Date: 03-Dec-2015

Expiration Date: 31-Jan-2018

This ISO Guide 34 Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
bifenthrin	082657-04-3	RM07177	100.0 ± 0.5 µg/mL
cyfluthrin	068359-37-5	RM10927	100.0 ± 0.5 µg/mL
cypermethrin	052315-07-8	RM07722	100.1 ± 0.5 µg/mL
deltamethrin	052918-63-5	RM10595	100.1 ± 0.5 µg/mL
etofenprox	080844-07-1	RM09024	100.0 ± 0.5 µg/mL
fenpropathrin	039515-41-8	RM06199	100.2 ± 0.5 µg/mL
fenvalerate	051630-58-1	RM01397	100.2 ± 0.5 µg/mL
pendimethalin	040487-42-1	RM10320	99.9 ± 0.5 µg/mL
permethrins (mixed isomers,total)	052645-53-1	RM10687	99.8 ± 0.5 µg/mL
tefluthrin	079538-32-2	RM04904	100.2 ± 0.5 µg/mL
tetramethrin	007696-12-0	RM03457	100.0 ± 0.5 µg/mL
azoxystrobin	131860-33-8	RM03833	100.4 ± 0.5 µg/mL
bupirimate	041483-43-6	RM09043	100.4 ± 0.5 µg/mL
buprofezin	069327-76-0	RM06732	100.1 ± 0.5 µg/mL
cyprodinil	121552-61-2	RM03665	99.9 ± 0.5 µg/mL
fenarimol	060168-88-9	RM07334	99.9 ± 0.5 µg/mL
kresoxim-methyl	143390-89-0	RM04038	100.3 ± 0.5 µg/mL
trifloxystrobin	141517-21-7	RM07347	100.3 ± 0.5 µg/mL
ethalfluralin	055283-68-6	RM03735	99.8 ± 0.5 µg/mL
fenhexamid	126833-17-8	RM09174	100.2 ± 0.5 µg/mL
trifluralin	001582-09-8	RM05766	99.9 ± 0.5 µg/mL
flamprop-methyl	052756-25-9	RM03921	99.9 ± 0.5 µg/mL
benalaxyl	071626-11-4	RM03656	100.4 ± 0.5 µg/mL
furalaxyl	057646-30-7	RM09006	100.4 ± 0.5 µg/mL
metalaxyl	057837-19-1	RM10863	100.1 ± 0.5 µg/mL
captan	000133-06-2	RM02847	100.0 ± 0.5 µg/mL
folpet	000133-07-3	RM03982	99.8 ± 0.5 µg/mL

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



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procymidone	032809-16-8	RM07070	100.1 ± 0.5 µg/mL
propyzamide	023950-58-5	RM10321	100.2 ± 0.5 µg/mL
tolyfluanid	000731-27-1	RM10935	100.1 ± 0.5 µg/mL
vinclozolin	050471-44-8	RM04638	100.1 ± 0.5 µg/mL

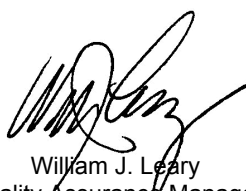
Matrix: acetone

Storage: Store Refrigerated (2° - 8°C)

ULTRA 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.



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