

Certificate of Analysis

ISO Guide 34 Reference Material

Product Number: PSM-105-D
Lot Number: CM-5293

Lot Issue Date: 13-Oct-2015
Expiration Date: 30-Nov-2017

Product Name: LC Pesticide Solution #2

Description:

This Reference Material (RM) was gravimetrically prepared in accordance with ISO Guide 34 and under ULTRA Scientific's ISO 9001 registered quality system. The neat materials used for this product have been verified by ULTRA's ISO 17025 laboratory and under ULTRA's ISO Guide 34 accreditation. The analyte concentrations were verified by ULTRA's ISO 17025 accredited laboratory. For each analyte, the true value, with its uncertainty value calculated at the 95% confidence level, is reported below.

Analyte	CAS#	Analyte Lot	Calculated Value	True Value	Traceability & Method
aldicarb	000116-06-3	RM09852	50.0 µg/mL	49.5 ± 1.5 µg/mL	NW06582;LC/DAD
azoxystrobin	131860-33-8	RM05644	50.1 µg/mL	50.1 ± 1.0 µg/mL	NW06582;LC/DAD
carboxin	005234-68-4	RM02703	50.1 µg/mL	50.4 ± 1.0 µg/mL	NW06582;LC/DAD
carfentrazone-ethyl	128639-02-1	RM10172	50.1 µg/mL	50.9 ± 0.7 µg/mL	NW06582;LC/DAD
clofentezine	074115-24-5	RM07081	49.9 µg/mL	48.8 ± 1.2 µg/mL	NW06582;LC/DAD
clothianidin	210880-92-5	RM09743	50.1 µg/mL	49.9 ± 1.1 µg/mL	NW06582;LC/DAD
fenazaquin	120928-09-8	RM10400	49.9 µg/mL	50.8 ± 1.0 µg/mL	NW06582;LC/DAD
flufenacet	142459-58-3	RM10386	50.1 µg/mL	50.4 ± 1.0 µg/mL	NW06582;LC/DAD
flusilazole	085509-19-9	RM07087	50.2 µg/mL	50.4 ± 1.1 µg/mL	NW06582;LC/DAD
flutolanil	066332-96-5	RM09781	50.1 µg/mL	50.3 ± 1.0 µg/mL	NW06582;LC/DAD
imidacloprid	138261-41-3	RM09874	49.9 µg/mL	49.9 ± 1.2 µg/mL	NW06582;LC/DAD
mepanipyrim	110235-47-7	RM04037	50.0 µg/mL	50.7 ± 1.2 µg/mL	NW06582;LC/DAD
mepronil	055814-41-0	RM00169	50.1 µg/mL	51.0 ± 1.0 µg/mL	NW06582;LC/DAD
metalaxyl	057837-19-1	RM09240	50.2 µg/mL	50.3 ± 1.1 µg/mL	NW06582;LC/DAD
methomyl	016752-77-5	RM10773	50.0 µg/mL	51.1 ± 1.1 µg/mL	NW06582;LC/DAD
oxadixyl	077732-09-3	RM04731	50.2 µg/mL	50.8 ± 1.2 µg/mL	NW06582;LC/DAD
oxamyl	023135-22-0	RM03173	50.0 µg/mL	49.2 ± 1.3 µg/mL	NW06582;LC/DAD

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paclobutrazol	076738-62-0	RM05497	50.2 µg/mL	49.9 ± 1.3 µg/mL	NW06582;LC/DAD
penconazole	066246-88-6	RM03238	50.0 µg/mL	50.3 ± 1.0 µg/mL	NW06582;LC/DAD
pirimicarb	023103-98-2	RM04732	50.1 µg/mL	50.6 ± 1.1 µg/mL	NW06582;LC/DAD
prochloraz	067747-09-5	RM10711	50.2 µg/mL	50.3 ± 1.1 µg/mL	NW06582;LC/DAD
propamocarb	024579-73-5	RM09696	50.1 µg/mL	48.9 ± 5.0 µg/mL	NW06582;GC/MS
propoxur	000114-26-1	RM00229	50.1 µg/mL	50.5 ± 1.0 µg/mL	NW06582;LC/DAD
pymetrozine	123312-89-0	RM06348	50.1 µg/mL	48.4 ± 1.0 µg/mL	NW06582;LC/DAD
pyrimethanil	053112-28-0	RM05306	49.9 µg/mL	50.4 ± 1.3 µg/mL	NW06582;LC/DAD
tebufenpyrad	119168-77-3	RM09291	50.1 µg/mL	50.0 ± 1.0 µg/mL	NW06582;LC/DAD
thiophanate methyl	023564-05-8	NT01884	50.2 µg/mL	51.9 ± 0.7 µg/mL	NW06582;LC/DAD
triadimefon	043121-43-3	RM03376	50.0 µg/mL	49.5 ± 0.9 µg/mL	NW06582;LC/DAD
trifloxystrobin	141517-21-7	RM07347	49.9 µg/mL	49.6 ± 1.1 µg/mL	NW06582;LC/DAD

Solvent: Acetonitrile

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



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Maintenance of Certification:

The real-time, long term stability of the RM may be monitored over the lifetime of the certification. If substantive changes occur that affect the certification before the expiration of this certificate, ULTRA Scientific will notify the purchaser.



William J. Leary
Vice President, QA/RA