



Certificate of Analysis

Organophosphorous Pesticides Mixture

Product Number: SPM-824

Page: 1 of 1

Lot Number: CM-5905

Lot Issue Date: 17-Nov-2015

Expiration Date: 31-Mar-2016

This ISO Guide 34 Reference Material (RM) was manufactured and verified in accordance with ULTRA'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	True Value
guthion	000086-50-0	RM06810	200.4 ± 1.0 µg/mL
bolstar	035400-43-2	RM09392	200.6 ± 1.0 µg/mL
chlorpyrifos	002921-88-2	RM07005	200.5 ± 1.0 µg/mL
coumaphos	000056-72-4	RM09648	200.6 ± 1.0 µg/mL
demeton (total, mixed isomers)	008065-48-3	RM10646	200.9 ± 1.0 µg/mL
diazinon	000333-41-5	RM09507	200.7 ± 1.0 µg/mL
dichlorvos	000062-73-7	RM10132	200.3 ± 1.0 µg/mL
disulfoton	000298-04-4	RM07350	200.3 ± 1.0 µg/mL
ethoprop	013194-48-4	RM09752	200.6 ± 1.0 µg/mL
fensulfothion	000115-90-2	RM09650	200.8 ± 1.0 µg/mL
fenthion	000055-38-9	RM10005	200.7 ± 1.0 µg/mL
merphos	000150-50-5	RM10730	200.5 ± 1.0 µg/mL
methyl parathion	000298-00-0	RM10712	200.1 ± 1.0 µg/mL
mevinphos	007786-34-7	RM09377	200.3 ± 1.0 µg/mL
naled	000300-76-5	RM09352	200.8 ± 1.0 µg/mL
phorate	000298-02-2	RM10514	200.6 ± 1.0 µg/mL
fenchlorphos	000299-84-3	RM09170	200.6 ± 1.0 µg/mL
tetrachlorvinphos	022248-79-9	RM04839	200.1 ± 1.0 µg/mL
tokuthion	034643-46-4	RM10210	200.8 ± 1.0 µg/mL
trichloronate	000327-98-0	RM10691	200.5 ± 1.0 µg/mL

Matrix: hexane/acetone (1:1)

Storage: Store at Room Temperature (15° to 30°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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William J. Leary
Quality Assurance Manager