



Certificate of Analysis

Organophosphorous Pesticides Mixture

Product Number: SPM-824

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Lot Number: CR-3172

Lot Issue Date: 11-Jul-2017

Expiration Date: 30-Nov-2017

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
guthion	000086-50-0	RM12019	200.5 ± 1.0 µg/mL
bolstar	035400-43-2	RM04166	199.5 ± 1.0 µg/mL
chlorpyrifos	002921-88-2	RM09198	201.0 ± 1.0 µg/mL
coumaphos	000056-72-4	RM12738	200.8 ± 1.0 µg/mL
demeton (total, mixed isomers)	008065-48-3	RM10646	199.3 ± 1.0 µg/mL
diazinon	000333-41-5	RM12216	200.0 ± 1.0 µg/mL
dichlorvos	000062-73-7	RM10844	199.3 ± 1.0 µg/mL
disulfoton	000298-04-4	NT00708	199.8 ± 1.0 µg/mL
ethoprop	013194-48-4	RM12690	199.6 ± 1.0 µg/mL
fensulfothion	000115-90-2	RM09650	199.4 ± 1.0 µg/mL
fenthion	000055-38-9	RM06840	200.2 ± 1.0 µg/mL
merphos	000150-50-5	RM12766	200.5 ± 1.0 µg/mL
methyl parathion	000298-00-0	RM10613	199.4 ± 1.0 µg/mL
mevinphos	007786-34-7	RM09377	200.1 ± 1.0 µg/mL
naled	000300-76-5	RM12651	200.1 ± 1.0 µg/mL
phorate	000298-02-2	RM09248	200.5 ± 1.0 µg/mL
fenchlorphos	000299-84-3	RM09249	199.5 ± 1.0 µg/mL
tetrachlorvinphos	022248-79-9	RM05693	200.6 ± 1.0 µg/mL
tokuthion	034643-46-4	RM12635	199.9 ± 1.0 µg/mL
trichloronate	000327-98-0	RM10691	201.0 ± 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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