



Certificate of Analysis

Organophosphorous Pesticides Mixture

Product Number: SPM-824

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Lot Number: CR-5590

Lot Issue Date: 04-Dec-2017

Expiration Date: 30-Apr-2018

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	RM12019	199.6 ± 1.0 µg/mL
bolstar	035400-43-2	RM12017	200.6 ± 1.0 µg/mL
chlorpyrifos	002921-88-2	RM09198	200.2 ± 1.0 µg/mL
coumaphos	000056-72-4	RM12041	199.8 ± 1.0 µg/mL
demeton (total, mixed isomers)	008065-48-3	RM11615	200.0 ± 1.0 µg/mL
diazinon	000333-41-5	RM12857	200.8 ± 1.0 µg/mL
dichlorvos	000062-73-7	RM11064	200.7 ± 1.0 µg/mL
disulfoton	000298-04-4	RM12628	200.4 ± 1.0 µg/mL
ethoprop	013194-48-4	RM12690	200.2 ± 1.0 µg/mL
fensulfothion	000115-90-2	RM13077	199.6 ± 1.0 µg/mL
fenthion	000055-38-9	RM12964	200.1 ± 1.0 µg/mL
merphos	000150-50-5	RM13048	199.5 ± 1.0 µg/mL
methyl parathion	000298-00-0	RM10613	200.4 ± 1.0 µg/mL
mevinphos	007786-34-7	RM10622	200.7 ± 1.0 µg/mL
naled	000300-76-5	RM12651	200.1 ± 1.0 µg/mL
phorate	000298-02-2	RM12884	200.0 ± 1.0 µg/mL
fenchlorphos	000299-84-3	RM09249	200.1 ± 1.0 µg/mL
tetrachlorvinphos	022248-79-9	RM13198	200.0 ± 1.0 µg/mL
tokuthion	034643-46-4	RM12635	200.1 ± 1.0 µg/mL
trichloronate	000327-98-0	RM07348	200.9 ± 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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