



Certificate of Analysis

Organophosphorous Pesticides Mixture

Product Number: SPM-824

Page: 1 of 1

Lot Number: CR-0046

Lot Issue Date: 11-Jan-2017

Expiration Date: 31-May-2017

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	200.7 ± 1.0 µg/mL
bolstar	035400-43-2	RM12017	200.8 ± 1.0 µg/mL
chlorpyrifos	002921-88-2	RM09198	200.4 ± 1.0 µg/mL
coumaphos	000056-72-4	RM12041	200.8 ± 1.0 µg/mL
demeton (total, mixed isomers)	008065-48-3	RM11615	200.8 ± 1.0 µg/mL
diazinon	000333-41-5	RM10440	200.6 ± 1.0 µg/mL
dichlorvos	000062-73-7	RM10132	200.2 ± 1.0 µg/mL
disulfoton	000298-04-4	RM06175	200.8 ± 1.0 µg/mL
ethoprop	013194-48-4	RM09752	200.4 ± 1.0 µg/mL
fensulfothion	000115-90-2	RM09650	200.2 ± 1.0 µg/mL
fenthion	000055-38-9	RM06840	200.2 ± 1.0 µg/mL
merphos	000150-50-5	RM11613	200.7 ± 1.0 µg/mL
methyl parathion	000298-00-0	RM10613	200.8 ± 1.0 µg/mL
mevinphos	007786-34-7	RM10675	200.7 ± 1.0 µg/mL
naled	000300-76-5	RM12018	200.4 ± 1.0 µg/mL
phorate	000298-02-2	RM11553	200.9 ± 1.0 µg/mL
fenchlorphos	000299-84-3	RM09249	200.5 ± 1.0 µg/mL
tetrachlorvinphos	022248-79-9	RM05693	200.8 ± 1.0 µg/mL
tokuthion	034643-46-4	RM10210	200.6 ± 1.0 µg/mL
trichloronate	000327-98-0	RM07348	200.3 ± 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.



ISO 9001
Registered
TUV USA, Inc.

John Russo
President

Monica Bourgeois
Director of QA/RA