



Certificate of Analysis

Organophosphorous Pesticides Mixture

Product Number: SPM-824

Page: 1 of 2

Lot Number: CH-3089

Lot Issue Date: 21-Sep-2011

Expiration Date: 31-Jan-2012

This Certified 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	238-49B	201.0 ± 1.0 µg/mL
bolstar	035400-43-2	242-116A	200.5 ± 1.0 µg/mL
chlorpyrifos	002921-88-2	RM01778	201.0 ± 1.0 µg/mL
coumaphos	000056-72-4	RM02739	201.0 ± 1.0 µg/mL
demeton (total, mixed isomers)	008065-48-3	RM01764	200.6 ± 1.0 µg/mL
diazinon	000333-41-5	RM01708	201.0 ± 1.0 µg/mL
dichlorvos	000062-73-7	RM01499	201.0 ± 1.0 µg/mL
disulfoton	000298-04-4	444-104B	201.0 ± 1.0 µg/mL
ethoprop	013194-48-4	RM02962	201.0 ± 1.0 µg/mL
fensulfothion	000115-90-2	RM01389	201.0 ± 1.0 µg/mL
fenthion	000055-38-9	208-52B	201.0 ± 1.0 µg/mL
merphos	000150-50-5	RM01539	201.0 ± 1.0 µg/mL
methyl parathion	000298-00-0	RM01401	201.0 ± 1.0 µg/mL
mevinphos	007786-34-7	RM01357	200.7 ± 1.0 µg/mL
naled	000300-76-5	RM01691	201.0 ± 1.0 µg/mL
phorate	000298-02-2	RM03334	201.0 ± 1.0 µg/mL
fenchlorphos	000299-84-3	RM01640	201.0 ± 1.0 µg/mL
tetrachlorvinphos	000961-11-5	392-55B	201.0 ± 1.0 µg/mL
tokuthion	034643-46-4	121-95A	201.0 ± 1.0 µg/mL

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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250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
www.ultrasci.com

William J. Leary
Quality Assurance Manager



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trichloronate	000327-98-0	RM01648	201.0 ± 1.0 µg/mL
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Matrix: hexane/acetone (1:1)

Storage: Store at Room Temperature (18-25° C)

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