



Certificate of Analysis

Organophosphorous Pesticides Mixture

Product Number: SPM-824

Page: 1 of 2

Lot Number: CH-1740

Lot Issue Date: 27-May-2011

Expiration Date: 30-Sep-2011

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	RM01306	201.0 ± 1.0 µg/mL
coumaphos	000056-72-4	440-114D	201.0 ± 1.0 µg/mL
demeton (total, mixed isomers)	008065-48-3	251-131B	200.4 ± 1.0 µg/mL
diazinon	000333-41-5	435-152B	201.0 ± 1.0 µg/mL
dichlorvos	000062-73-7	SZE9140X	201.0 ± 1.0 µg/mL
disulfoton	000298-04-4	444-104B	201.0 ± 1.0 µg/mL
ethoprop	013194-48-4	234-16B	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	435-126B	201.0 ± 1.0 µg/mL
methyl parathion	000298-00-0	446-51A	201.0 ± 1.0 µg/mL
mevinphos	007786-34-7	RM01357	200.7 ± 1.0 µg/mL
naled	000300-76-5	RM01277	200.9 ± 1.0 µg/mL
phorate	000298-02-2	RM01400	201.0 ± 1.0 µg/mL
fenchlorphos	000299-84-3	RM01640	201.0 ± 1.0 µg/mL
tetrachlorvinphos	000961-11-5	302-78A	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.



ISO 17025:2005
Accredited
A2LA
Cert. No. 0851-01

ISO 9001:2008
Registered
TUV USA, Inc.
Cert. No. 09-1009

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


William J. Leary
Quality Assurance Manager



Certificate of Analysis

Organophosphorous Pesticides Mixture

Product Number: SPM-824

Page: 2 of 2

Lot Number: CH-1740

Lot Issue Date: 27-May-2011

Expiration Date: 30-Sep-2011

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.

trichloronate	000327-98-0	RM01648	201.0 ± 1.0 µg/mL
---------------	-------------	---------	-------------------

Matrix: hexane/acetone (1:1)

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

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.



ISO 17025:2005
Accredited
A2LA
Cert. No. 0851-01

ISO 9001:2008
Registered
TUV USA, Inc.
Cert. No. 09-1009

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


William J. Leary
Quality Assurance Manager