



Certificate of Analysis

Organophosphorous Pesticides Mixture

Product Number: SPM-824

Page: 1 of 2

Lot Number: CJ-4227

Lot Issue Date: 28-Nov-2012

Expiration Date: 31-Mar-2013

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	RM03979	200.0 ± 1.0 µg/mL
bolstar	035400-43-2	RM04166	200.5 ± 1.0 µg/mL
chlorpyrifos	002921-88-2	RM06173	200.0 ± 1.0 µg/mL
coumaphos	000056-72-4	RM04556	200.0 ± 1.0 µg/mL
demeton (total, mixed isomers)	008065-48-3	RM05008	200.3 ± 1.0 µg/mL
diazinon	000333-41-5	RM06174	200.1 ± 1.0 µg/mL
dichlorvos	000062-73-7	RM06268	200.4 ± 1.0 µg/mL
disulfoton	000298-04-4	RM02762	200.3 ± 1.0 µg/mL
ethoprop	013194-48-4	RM06252	200.3 ± 1.0 µg/mL
fensulfothion	000115-90-2	RM04563	199.6 ± 1.0 µg/mL
fenthion	000055-38-9	RM02971	200.0 ± 1.0 µg/mL
merphos	000150-50-5	RM05804	199.7 ± 1.0 µg/mL
methyl parathion	000298-00-0	RM06223	200.0 ± 1.0 µg/mL
mevinphos	007786-34-7	RM06195	200.3 ± 1.0 µg/mL
naled	000300-76-5	RM01691	199.8 ± 1.0 µg/mL
phorate	000298-02-2	RM05634	200.3 ± 1.0 µg/mL
fenchlorphos	000299-84-3	RM01695	200.0 ± 1.0 µg/mL
tetrachlorvinphos	000961-11-5	RM04839	199.8 ± 1.0 µg/mL
tokuthion	034643-46-4	RM06169	199.6 ± 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: CJ-4227

Lot Issue Date: 28-Nov-2012

Expiration Date: 31-Mar-2013

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	RM05241	200.2 ± 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/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