

Certificate of Analysis

Product Name: IRSA 5100 Pesticide Mix

Product Number: PST-ITA-01

Lot Issue Date: 27-Dec-2019

Lot Number: 0006510427

Expiration Date: 31-Jan-2022

Description:

This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system, and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	Concentration $\pm$ Uncertainty
azinphos-ethyl	002642-71-9	RM07356	100.2 $\pm$ 0.5 μ g/mL
azinphos-methyl	000086-50-0	RM15434	100.3 $\pm$ 0.5 μ g/mL
bromophos-methyl	002104-96-3	RM02691	100.1 $\pm$ 0.5 μ g/mL
bromophos-ethyl	004824-78-6	rm15365	100.2 $\pm$ 0.5 μ g/mL
chlorfenvinphos	000470-90-6	RM13328	100.0 $\pm$ 0.5 μ g/mL
chlorpyriphos-methyl	005598-13-0	RM14476	100.1 $\pm$ 0.5 μ g/mL
chlorpyriphos	002921-88-2	RM14472	100.2 $\pm$ 0.5 μ g/mL
demeton-S-methyl sulfone	017040-19-6	RM13187	100.2 $\pm$ 0.5 μ g/mL
demeton-s-methyl	000919-86-8	RM12553	99.9 $\pm$ 0.5 μ g/mL
dimethoate	000060-51-5	RM15626	100.3 $\pm$ 0.5 μ g/mL
heptenophos	023560-59-0	RM14273	100.3 $\pm$ 0.5 μ g/mL
ethion	000563-12-2	RM14578	100.3 $\pm$ 0.5 μ g/mL
fenitrothion	000122-14-5	RM13346	100.2 $\pm$ 0.5 μ g/mL
phosalone	002310-17-0	RM03270	100.1 $\pm$ 0.5 μ g/mL
iprodione	036734-19-7	RM14917	100.2 $\pm$ 0.5 μ g/mL
malaoxon	001634-78-2	RM15590	100.1 $\pm$ 0.5 μ g/mL
malathion	000121-75-5	RM12832	100.3 $\pm$ 0.5 μ g/mL

Certificate of Analysis

Product Number: PST-ITA-01**Lot Number:** 0006510427

methidathion	000950-37-8	RM03745	100.0 ± 0.5 µg/mL
paraoxon	000311-45-5	RM15667	100.3 ± 0.5 µg/mL
methyl paraoxon	000950-35-6	RM14543	100.3 ± 0.5 µg/mL
parathion (ethyl)	000056-38-2	RM15509	100.2 ± 0.5 µg/mL
methyl parathion	000298-00-0	RM15765	100.4 ± 0.5 µg/mL
pirimiphos-methyl	029232-93-7	RM15369	100.2 ± 0.5 µg/mL
procymidone	032809-16-8	RM12692	100.1 ± 0.5 µg/mL
tetrachlorvinphos	022248-79-9	RM05693	100.0 ± 0.5 µg/mL
vamidothion	002275-23-2	RM09069	100.3 ± 0.5 µg/mL

Matrix: methylene chloride (dichloromethane)**Storage Conditions:** Store Frozen (-25° to -10°C).**Traceability:**

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NC SL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample

Intended Use:

This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Hazards:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this RM.

Expiration of Certification:

The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

ISO 17034 Cert No.
AR-1936RM was produced in accordance with TUV USA Inc registered ISO
9001 Quality Management System. Cert # 56 100 18560026

Page: 2 of 3

www.agilent.com/quality/
CSD-QA-015.1ISO 17025 Cert
No. AT-1937

Certificate of Analysis

Product Number: PST-ITA-01

Lot Number: 0006510427

Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:



Monica Bourgeois
QMS Representative



ISO 17034 Cert No.
AR-1936

RM was produced in accordance with TUV USA Inc registered ISO
9001 Quality Management System. Cert # 56 100 18560026

Page: 3 of 3

www.agilent.com/quality/
CSD-QA-015.1



ISO 17025 Cert
No. AT-1937

250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality

250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality