

Certificate of Analysis

Product Name: IRSA 5100 Pesticide Mix

Product Number: PST-ITA-01

Lot Issue Date: 15-Mar-2021

Lot Number: 0006594483

Expiration Date: 30-Apr-2023

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	NT01982	100.1 $\pm$ 0.5 μ g/mL
azinphos-methyl	000086-50-0	RM14898	100.2 $\pm$ 0.5 μ g/mL
bromophos-methyl	002104-96-3	RM02691	100.3 $\pm$ 0.5 μ g/mL
bromophos-ethyl	004824-78-6	RM15365	100.2 $\pm$ 0.5 μ g/mL
chlorfenvinphos	000470-90-6	RM17125	100.4 $\pm$ 0.5 μ g/mL
chlorpyrifos-methyl	005598-13-0	RM16451	100.4 $\pm$ 0.5 μ g/mL
chlorpyrifos	002921-88-2	RM17484	100.0 $\pm$ 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	RM17147	100.3 $\pm$ 0.5 μ g/mL
dimethoate	000060-51-5	RM17219	100.4 $\pm$ 0.5 μ g/mL
heptenophos	023560-59-0	RM16642	100.2 $\pm$ 0.5 μ g/mL
ethion	000563-12-2	RM17645	100.1 $\pm$ 0.5 μ g/mL
fenitrothion	000122-14-5	RM17644	100.1 $\pm$ 0.5 μ g/mL
phosalone	002310-17-0	RM17797	100.1 $\pm$ 0.5 μ g/mL
iprodione	036734-19-7	RM16880	100.1 $\pm$ 0.5 μ g/mL
malaoxon	001634-78-2	RM17082	100.0 $\pm$ 0.5 μ g/mL
malathion	000121-75-5	RM12832	100.2 $\pm$ 0.5 μ g/mL

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methidathion	000950-37-8	RM03745	100.4 ± 0.5 µg/mL
paraoxon	000311-45-5	RM15667	100.1 ± 0.5 µg/mL
methyl paraoxon	000950-35-6	RM16407	100.3 ± 0.5 µg/mL
parathion (ethyl)	000056-38-2	RM17718	100.3 ± 0.5 µg/mL
methyl parathion	000298-00-0	RM17511	100.1 ± 0.5 µg/mL
pirimiphos-methyl	029232-93-7	RM17300	100.2 ± 0.5 µg/mL
procymidone	032809-16-8	RM17154	100.4 ± 0.5 µg/mL
tetrachlorvinphos	022248-79-9	RM05693	100.1 ± 0.5 µg/mL
vamidothion	002275-23-2	RM16806	100.1 ± 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/NCSL 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 size required.

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.

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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.

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 the LRQA registered ISO 9001:2015 Quality Management System. Cert # 10303760

Page: 3 of 3

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



ISO 17025 Cert
No. AT-1937

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