

Reference Material Certificate
Product Information Sheet

Product Name: IRSA 5100 Pesticide Mix
Product Number: PST-ITA-01
Storage Conditions: Store Frozen (-25° to -10°C).

Lot Number: 0006688438
Lot Issue Date: 16-Jun-2022
Expiration Date: 31-Jul-2024

Component Name	CERTIFIED VALUES			CAS#	Analyte Lot
	Concentration	Expanded	Uncertainty		
azinphos-ethyl	100.2	±	0.5 µg/mL	002642-71-9	RM16989
azinphos-methyl	100.0	±	0.5 µg/mL	000086-50-0	RM18846
bromophos-methyl	100.2	±	0.5 µg/mL	002104-96-3	RM02691
bromophos-ethyl	100.3	±	0.5 µg/mL	004824-78-6	RM16468
chlorfenvinphos	100.2	±	0.5 µg/mL	000470-90-6	RM17125
chlorpyrifos-methyl	100.1	±	0.5 µg/mL	005598-13-0	RM18118
chlorpyrifos	100.2	±	0.5 µg/mL	002921-88-2	RM18838
demeton-S-methyl sulfone	100.3	±	0.5 µg/mL	017040-19-6	RM18183
demeton-s-methyl	100.2	±	0.5 µg/mL	000919-86-8	RM17147
dimethoate	100.2	±	0.5 µg/mL	000060-51-5	RM19269
heptenophos	100.1	±	0.5 µg/mL	023560-59-0	RM19230
ethion	100.3	±	0.5 µg/mL	000563-12-2	RM18180
fenitrothion	100.2	±	0.5 µg/mL	000122-14-5	RM19079
phosalone	100.2	±	0.5 µg/mL	002310-17-0	RM18450
iprodione	100.1	±	0.5 µg/mL	036734-19-7	RM19109
malaoxon	100.3	±	0.5 µg/mL	001634-78-2	RM18949
malathion	100.2	±	0.5 µg/mL	000121-75-5	RM19727
methidathion	100.2	±	0.5 µg/mL	000950-37-8	RM03745
paraoxon	100.2	±	0.5 µg/mL	000311-45-5	RM17935
methyl paraoxon	100.1	±	0.5 µg/mL	000950-35-6	RM16407
parathion (ethyl)	100.2	±	0.5 µg/mL	000056-38-2	RM19458
methyl parathion	100.3	±	0.5 µg/mL	000298-00-0	RM19287
pirimiphos-methyl	100.2	±	0.5 µg/mL	029232-93-7	RM17920
procymidone	100.1	±	0.5 µg/mL	032809-16-8	RM17154
tetrachlorvinphos	100.2	±	0.5 µg/mL	022248-79-9	RM05693
vamidothion	100.2	±	0.5 µg/mL	002275-23-2	RM16806

Matrix: methylene chloride (dichloromethane)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard 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 above.

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 analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

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.

Safety:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:

This analytical reference standard 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.

Expiration of Certification:

The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material 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