

Reference Material Certificate
Product Information Sheet

Product Name: FDA Pesticide Standard LC no. 1

Lot Number: 0006711457

Product Number: PSM-101-F

Lot Issue Date: 24-Oct-2022

Storage Conditions: Store Frozen (-25° to -10°C).

Expiration Date: 30-Nov-2023

Component Name	CERTIFIED VALUES			CAS#	Analyte Lot
	Concentration	Expanded	Uncertainty		
3-hydroxycarbofuran	100.1	±	0.5 µg/mL	016655-82-6	RM18198
acephate	100.3	±	0.5 µg/mL	030560-19-1	RM17923
acetamiprid	100.3	±	0.5 µg/mL	135410-20-7	RM19987
carbaryl	100.0	±	0.5 µg/mL	000063-25-2	RM17816
carbofuran	100.3	±	0.5 µg/mL	001563-66-2	RM18301
chlorantraniliprole	100.1	±	0.5 µg/mL	500008-45-7	RM19619
clothianidin	100.1	±	0.5 µg/mL	210880-92-5	RM18199
cyromazine	100.3	±	0.5 µg/mL	066215-27-8	RM15435
diflubenzuron	100.1	±	0.5 µg/mL	035367-38-5	RM02950
dinotefuran	100.2	±	0.5 µg/mL	165252-70-0	RM17096
imazalil	100.1	±	0.5 µg/mL	035554-44-0	RM17306
imidacloprid	100.1	±	0.5 µg/mL	138261-41-3	RM19464
methamidophos	100.2	±	0.5 µg/mL	010265-92-6	RM19266
methomyl	100.2	±	0.5 µg/mL	016752-77-5	RM20198
methoxyfenozide	100.3	±	0.5 µg/mL	161050-58-4	RM18270
novaluron	100.2	±	0.5 µg/mL	116714-46-6	RM17139
omethoate	100.1	±	0.5 µg/mL	001113-02-6	RM16175
oxamyl	100.2	±	0.5 µg/mL	023135-22-0	RM18221
spinosad	100.2	±	0.5 µg/mL	168316-95-8	RM18945
thiabendazole	100.3	±	0.5 µg/mL	000148-79-8	RM16424
thiacloprid	100.3	±	0.5 µg/mL	111988-49-9	RM18341

Matrix: acetonitrile

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Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated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