

Certificate of Analysis

Product Name: FDA Pesticide Standard LC no. 6

Product Number: PSM-101-K

Lot Issue Date: 04-Aug-2020

Lot Number: 0006550755

Expiration Date: 30-Sep-2021

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
acetochlor	034256-82-1	RM14938	100.4 $\pm$ 0.5 μ g/mL
alachlor	015972-60-8	RM14112	100.4 $\pm$ 0.5 μ g/mL
butachlor	023184-66-9	RM16046	100.3 $\pm$ 0.5 μ g/mL
chlorimuron ethyl	090982-32-4	RM09139	100.1 $\pm$ 0.5 μ g/mL
cycloxydim	101205-02-1	RM13432	100.1 $\pm$ 0.5 μ g/mL
dithianon	003347-22-6	RM16133	100.1 $\pm$ 0.5 μ g/mL
DMST	066840-71-9	RM10025	100.4 $\pm$ 0.5 μ g/mL
ethiofencarb sulfoxide	053380-22-6	RM12340	100.1 $\pm$ 0.5 μ g/mL
fenbutatin-oxide	013356-08-6	RM16057	100.4 $\pm$ 0.5 μ g/mL
imazosulfuron	122548-33-8	RM16743	100.2 $\pm$ 0.5 μ g/mL
karbutilate	004849-32-5	RM11030	100.1 $\pm$ 0.5 μ g/mL
metoxuron	019937-59-8	RM14688	100.1 $\pm$ 0.5 μ g/mL
metsulfuron methyl	074223-64-6	RM03235	100.1 $\pm$ 0.5 μ g/mL
proquinazid	189278-12-4	RM15233	100.4 $\pm$ 0.5 μ g/mL
tepraloxydim	149979-41-9	RM14325	100.1 $\pm$ 0.5 μ g/mL
thiodicarb	059669-26-0	RM13043	100.3 $\pm$ 0.5 μ g/mL
tridemorph	024602-86-6	RM13615	100.5 $\pm$ 0.5 μ g/mL

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trifloxysulfuron sodium salt	199119-58-9	RM15051	100.1 ± 0.5 µg/mL
triflusulfuron-methyl	126535-15-7	RM03408	100.3 ± 0.5 µg/mL

Matrix: acetonitrile

Storage Conditions: Store at Room Temperature (15° to 30°C).

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCCL 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.

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 TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026

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ISO 17025 Cert
No. AT-1937