

# Certificate of Analysis

**Product Name:** Custom Standard

**Product Number:** CUS-15221

**Lot Issue Date:** 10-Dec-2019

**Lot Number:** 0006507172

**Expiration Date:** 31-Jul-2020

**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
methomyl	016752-77-5	RM15631	100.4 $\pm$ 0.5 $\mu\text{g/mL}$
2,6-dichlorobenzamide	002008-58-4	RM04072	100.2 $\pm$ 0.5 $\mu\text{g/mL}$
metamitron	041394-05-2	RM09370	100.3 $\pm$ 0.5 $\mu\text{g/mL}$
chloridazon	001698-60-8	RM11036	100.2 $\pm$ 0.5 $\mu\text{g/mL}$
4,4'-sulfonyldiphenol	000080-09-1	RM03314	100.4 $\pm$ 0.5 $\mu\text{g/mL}$
aldicarb	000116-06-3	RM14794	100.3 $\pm$ 0.5 $\mu\text{g/mL}$
carbetamide	016118-49-3	RM07240	100.1 $\pm$ 0.5 $\mu\text{g/mL}$
metoxuron	019937-59-8	RM14688	100.2 $\pm$ 0.5 $\mu\text{g/mL}$
hexazinone	051235-04-2	RM14990	100.2 $\pm$ 0.5 $\mu\text{g/mL}$
bromacil	000314-40-9	NT01886	100.3 $\pm$ 0.5 $\mu\text{g/mL}$
imazalil	035554-44-0	RM14247	100.2 $\pm$ 0.5 $\mu\text{g/mL}$
cyanazine	021725-46-2	RM13093	100.1 $\pm$ 0.5 $\mu\text{g/mL}$
terbuthylazine-desethyl	030125-63-4	RM13218	100.4 $\pm$ 0.5 $\mu\text{g/mL}$
lenacil	002164-08-1	RM13354	100.1 $\pm$ 0.5 $\mu\text{g/mL}$
carbofuran	001563-66-2	RM02695	100.2 $\pm$ 0.5 $\mu\text{g/mL}$
methabenzthiazuron	018691-97-9	RM14672	100.3 $\pm$ 0.5 $\mu\text{g/mL}$
prometryn	007287-19-6	RM15360	100.3 $\pm$ 0.5 $\mu\text{g/mL}$

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monolinuron	001746-81-2	RM09242	100.2 ± 0.5 µg/mL
terbutryn(e)	000886-50-0	RM06258	100.2 ± 0.5 µg/mL
isoproturon	034123-59-6	RM05305	100.3 ± 0.5 µg/mL
diuron	000330-54-1	RM15630	100.3 ± 0.5 µg/mL
metobromuron	003060-89-7	RM13293	100.2 ± 0.5 µg/mL
metazachlor	067129-08-2	RM14128	100.2 ± 0.5 µg/mL
dimefuron	034205-21-5	RM10215	100.1 ± 0.5 µg/mL
chlorbromuron	013360-45-7	RM04077	100.4 ± 0.5 µg/mL
linuron	000330-55-2	RM15558	100.2 ± 0.5 µg/mL
dimethenamid-P	163515-14-8	RM13740	100.2 ± 0.5 µg/mL
diflubenzuron	035367-38-5	RM02950	100.3 ± 0.5 µg/mL
metolachlor	051218-45-2	rm14834	100.4 ± 0.5 µg/mL
chlorotoluron	015545-48-9	RM14323	100.3 ± 0.5 µg/mL
flufenacet	142459-58-3	RM13363	100.2 ± 0.5 µg/mL
methiocarb	002032-65-7	RM15634	100.2 ± 0.5 µg/mL
sulcotrione	099105-77-8	RM09271	100.3 ± 0.5 µg/mL
diflufenican	083164-33-4	RM09143	100.3 ± 0.5 µg/mL
benzotriazole	000095-14-7	RM01837	100.1 ± 0.5 µg/mL
phenazone	000060-80-0	RM07241	100.2 ± 0.5 µg/mL
caffeine	000058-08-2	RM11630	100.1 ± 0.5 µg/mL
carbamazepin	000298-46-4	RM15331	100.3 ± 0.5 µg/mL
sulfamethoxazole	000723-46-6	RM02532	100.4 ± 0.5 µg/mL

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metoprolol tartrate salt (as metoprolol)	056392-17-7	RM02325	100.2 ± 0.5 µg/mL
lincomycin hydrochloride (as lincomycin)	000859-18-7	RM05953	100.3 ± 0.5 µg/mL
venlafaxine hydrochloride (as venlafaxine)	099300-78-4	RM11001	100.3 ± 0.5 µg/mL

**Matrix:** acetonitrile/methanol (4:1)

**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

**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](http://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  
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