

Certificate of Analysis

Product Name: Custom Standard

Product Number: CUS-8160

Lot Issue Date: 11-Dec-2019

Lot Number: 0006507490

Expiration Date: 31-Jan-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
4-aminobiphenyl	000092-67-1	RM07730	10.0 \pm 0.1 $\mu\text{g/mL}$
2-naphthylamine	000091-59-8	RM10617	10.0 \pm 0.1 $\mu\text{g/mL}$
4-aminoazobenzene	000060-09-3	RM03227	10.0 \pm 0.1 $\mu\text{g/mL}$
4-amino-2',3-dimethylazobenzene	000097-56-3	RM10781	10.0 \pm 0.1 $\mu\text{g/mL}$
2-amino-4-nitrotoluene	000099-55-8	RM03879	10.0 \pm 0.1 $\mu\text{g/mL}$
4,4'-oxydianiline	000101-80-4	RM02423	10.0 \pm 0.1 $\mu\text{g/mL}$
4,4'-thiodianiline	000139-65-1	RM02617	10.0 \pm 0.1 $\mu\text{g/mL}$
o-anisidine	000090-04-0	RM01339	10.0 \pm 0.1 $\mu\text{g/mL}$
benzidine	000092-87-5	RM10200	10.0 \pm 0.1 $\mu\text{g/mL}$
4,4'-methylenedianiline	000101-77-9	RM02802	10.0 \pm 0.1 $\mu\text{g/mL}$
4-chloroaniline	000106-47-8	RM01886	10.0 \pm 0.1 $\mu\text{g/mL}$
4-chloro-2-methylaniline	000095-69-2	RM11833	10.0 \pm 0.1 $\mu\text{g/mL}$
4,4'-diamino-3,3'-dimethyldiphenylmethane	000838-88-0	RM02137	10.0 \pm 0.1 $\mu\text{g/mL}$
2,4-diaminotoluene	000095-80-7	RM02162	10.0 \pm 0.1 $\mu\text{g/mL}$
3,3'-dichlorobenzidine	000091-94-1	RM12559	10.0 \pm 0.1 $\mu\text{g/mL}$
3,3'-dimethoxybenzidine	000119-90-4	RM02097	10.0 \pm 0.1 $\mu\text{g/mL}$
2,4-dimethylaniline	000095-68-1	RM03690	10.0 \pm 0.1 $\mu\text{g/mL}$

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2,6-dimethylaniline	000087-62-7	RM00428	10.0 ± 0.1 µg/mL
3,3'-dimethylbenzidine	000119-93-7	RM02797	10.0 ± 0.1 µg/mL
2-methoxy-5-methylaniline	000120-71-8	RM03432	10.0 ± 0.1 µg/mL
4-methoxy-1,3-phenylenediamine	000615-05-4	RM11614	10.0 ± 0.1 µg/mL
4,4'-methylene bis(2-chloroaniline)	000101-14-4	RM02301	10.0 ± 0.1 µg/mL
o-toluidine	000095-53-4	RM03796	10.0 ± 0.1 µg/mL
2,4,5-trimethylaniline	000137-17-7	RM12815	10.0 ± 0.1 µg/mL

Matrix: methylene chloride (dichloromethane)**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/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.

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 RepresentativeISO 17034 Cert No.
AR-1936RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality
Management System. Cert # 56 100 18560026

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CSD-QA-015.1ISO 17025 Cert
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