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Certified Reference Material CRM

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CERTIFIED WEIGHT REPORT:

Part Number: **59017** (产品编号：59017)
Lot Number: **040725** (产品批号：040725)
Description: **Simple Cyanide (CN^-)**

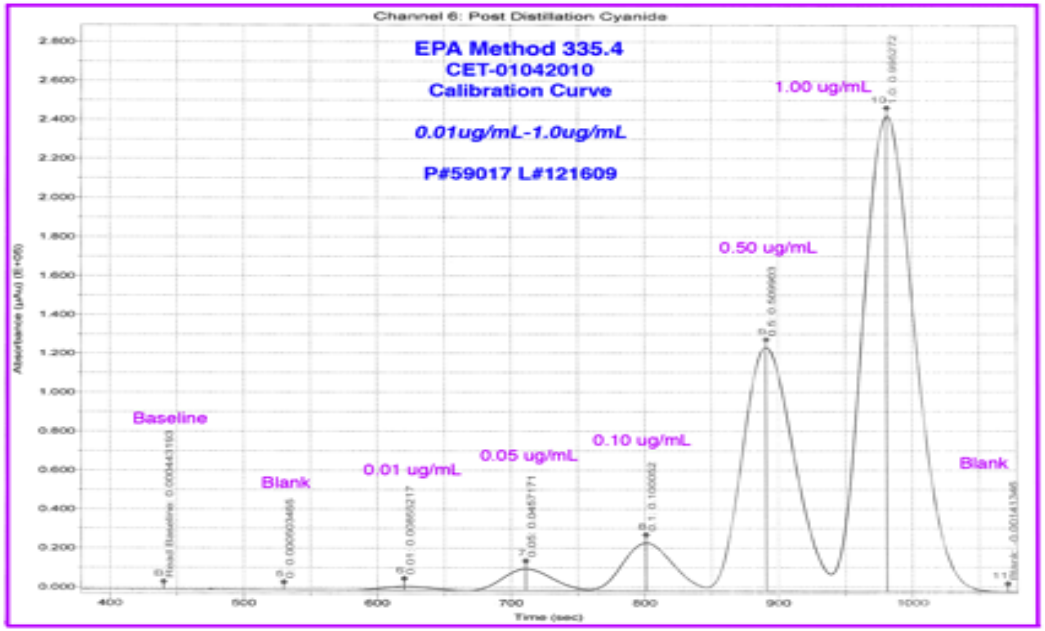
Solvent: Lot # 040725 ASTM Type 1 Water

Expiration Date: 040727 (保质期：2027-04-07)
Recommended Storage: Refrigerate (4 °C)(推荐保存条件：4°C)
Nominal Concentration (µg/mL): **1000**
NIST Test Number: 6UTB 5E-05 Balance Uncertainty
Weights shown below were diluted to (mL): 4000.1 0.15 Flask Uncertainty

Formulated By:	Benson Chan 040725
Reviewed By:	Pedro L. Rentas 040725

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	**Actual Conc. (µg/mL)**	Expanded Uncertainty +/- (µg/mL)	CAS#	OSHA PEL (TWA)	LD50	NIST SRM
									(实际浓度)	(扩展不确定度)				
1. Potassium cyanide (CN)	IN105	10206876	1000	99.0	0.10	40.0	10.1113	10.1120	**1000.1**	**2.0**	151-50-8	5 mg/m3	orl-rat 5mg/kg	3141a
2. Sodium hydroxide (NaOH)	IN340	MKCL7860	NA	98.9	0.10	100.0	6.4455	6.4460	1593.7	NA	1310-73-2	2 mg/m3	orl-mus 6600mg/kg	NA

SDS Information
(Solvent Safety Info. On Attached pg.)



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware, and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated by an ISO17025 certified organization with weights traceable through NIST to the SI kilogram (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994). Rev 1.0, 2/25/2025