



CERTIFIED WEIGHT REPORT:

Part Number: 59017 (产品编号: 59017)  
Lot Number: 091525 (产品批号: 040725)  
Description: Simple Cyanide (CN<sup>-</sup>)

Lot #

Solvent: 091525 ASTM Type 1 Water

Expiration Date: 091527 / 保质期: 2027-09-15  
Recommended Storage: Refrigerate (2 - 8 °C) / 推荐保存条件: 2-8 冷藏  
Nominal Concentration (µg/mL): 1000  
NIST Test Number: 6UTB 5E-05 Balance Uncertainty  
Weights shown below were diluted to (mL): 4999.5 0.01 Flask Uncertainty

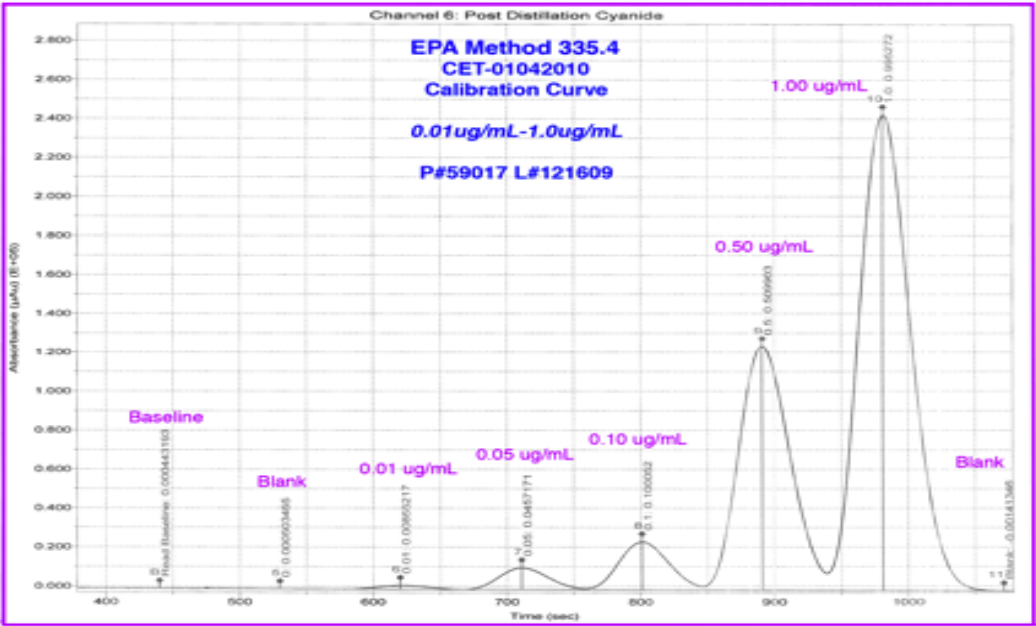
*Aleah O'Brady*

Formulated By: Aleah O'Brady 091525

*Pedro L. Rentas*

Reviewed By: Pedro L. Rentas 091525

| Compound                | RM#   | Lot Number | Nominal Conc. (µg/mL) | Purity (%) | Uncertainty Purity (%) | Assay (%) | Target Weight (g) | Actual Weight (g) | Expanded SDS Information |                         |  |                |                   | NIST SRM |
|-------------------------|-------|------------|-----------------------|------------|------------------------|-----------|-------------------|-------------------|--------------------------|-------------------------|--|----------------|-------------------|----------|
|                         |       |            |                       |            |                        |           |                   |                   | Actual Conc. (µg/mL)     | Uncertainty +/- (µg/mL) | (Solvent Safety Info. On Attached pg.) |                |                   |          |
|                         |       |            |                       |            |                        |           |                   |                   |                          |                         | CAS#                                   | OSHA PEL (TWA) | LD50              |          |
| ( 实际浓度 )( 扩展不确定度 )      |       |            |                       |            |                        |           |                   |                   |                          |                         |  |                |                   |          |
| Potassium cyanide (CN)  | IN105 | 10206876   | 1000                  | 99.0       | 0.10                   | 40.0      | 12.6375           | 12.6382           | 1000.1                   | 2.0                     | 151-50-8                               | 5 mg/m3        | ori-rat 5mg/kg    | 3141a    |
| Sodium hydroxide (NaOH) | IN340 | MKCL7860   | NA                    | 98.9       | 0.10                   | 100.0     | 8.0558            | 8.0703            | 1596.5                   | NA                      | 1310-73-2                              | 2 mg/m3        | ori-mus 6600mg/kg | NA       |



\* 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 certified (+/-) 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