

## Certificate of Analysis

Date of Testing: 2025-04-21 11:55:21

Date of Next Testing: 2029-04-20 11:55:21

Product Name: **Adipic acid dihydrazide (ADH)**

CAS Number: 1071-93-8

Specifications & Purity:  $\geq 99\%$ (HPLC)

Lot #: D2518247

SKU #: **A109760**

Version: **0**

Analysis #: **496310**

Storage Temperature: Store at -20°C, Argon charged

| Parameter                                                      | Limit Values             | Result                   |
|----------------------------------------------------------------|--------------------------|--------------------------|
| Purity(HPLC)                                                   | 99-100 (%)               | 99.84800 %               |
| Purity(Titration by HClO <sub>4</sub> (calcd.on anh.substance) | 98-102 (%)               | 98.10 %                  |
| Loss on drying                                                 | 0-1 (%)                  | 0.05 %                   |
| Melting point                                                  | 179-184 (°C)             | 183.18000 °C             |
| Appearance (A109760)                                           | White Powder or Crystals | White Powder or Crystals |
| Solubility,100mg/ml in water                                   | Clear and colorless      | Clear and colorless      |
| Infrared spectrum                                              | Conforms to Structure    | Conforms to Structure    |



John Su  
QA & QC Manager