



# NEWAY SINOPHC TECH. LIMITED

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## Certificate of Analysis

**Product Name:** Carbohydrazide

### Product Information

Product Number: CHZ-20260203 Batch Number: CHZ-B2026020301 Brand: SIGALD CAS Number: 497-18-7 Formula:  $\text{CH}_6\text{N}_4\text{O}$  Molecular Weight: 90.08 g/mol Purity Grade:  $\geq 98.0\%$  (w/w) Quality Release Date: 03 FEB 2025

Test Item	Specification (Industry Standard)	Result	Test Method
Appearance	White crystalline powder, no mechanical impurities	White crystalline powder	Visual Inspection
Purity (HPLC)	$\geq 98.0\%$	98.6%	High Performance Liquid Chromatography
Melting Point ( $^{\circ}\text{C}$ )	150-154 (decomposition)	152-153	Melting Point Apparatus Method
Moisture Content (Karl Fischer)	$\leq 0.5\%$	0.32%	Karl Fischer Titration Method
Ash Content	$\leq 0.1\%$	0.06%	Ignition Method ( $800\pm 50^{\circ}\text{C}$ )
Heavy Metals (Pb) Content	$\leq 0.0005\%$	0.0002%	Atomic Absorption Spectrometry (AAS)
Chloride ( $\text{Cl}^-$ ) Content	$\leq 0.01\%$	0.004%	Silver Nitrate Turbidimetry
Iron (Fe) Content	$\leq 0.0005\%$	0.0003%	1,10-Phenanthroline Spectrophotometry

This batch of product has been tested in accordance with relevant industry standards and meets all specified requirements for Carbohydrazide. It is qualified for use in water treatment, metal passivation and other applicable scenarios.

Issue Date: 03 FEB 2025