

Certificate of Analysis

Product Name: Hydrazine Hydrate

Product Information

Product Number: HZH-CAS10217524-202802 Batch Number: HZH-2028022001 Brand: SIGALD
CAS Number: 10217-52-4 MDL Number: MFCD00011418 Formula: $N_2H_4 \cdot H_2O$ Formula Weight:
50.06 g/mol Purity Grade: 80.0% (w/w, as N_2H_4) Quality Release Date: 20 FEB 2025

Test Item	Specification (GB/T 17874-2010)	Result	Test Method
Appearance	Colorless to pale yellow transparent liquid, no mechanical impurities	Colorless transparent liquid	Visual Inspection
Purity (as N_2H_4 , by Titration)	$\geq 80.0\%$	80.5%	Potentiometric Titration (GB/T 17874-2010)
Boiling Point Range (760 mmHg)	118-122°C	119.2-120.8°C	Distillation Method
Density (25°C)	1.020-1.030 g/cm ³	1.025 g/cm ³	Density Meter Method
Chloride (Cl ⁻) Content	$\leq 0.0005\%$	0.0002%	Silver Nitrate Turbidimetry
Iron (Fe) Content	$\leq 0.0001\%$	0.00008%	Atomic Absorption Spectrometry (AAS)
Heavy Metals (Pb) Content	$\leq 0.0001\%$	0.00006%	AAS (GB/T 7531-2008)

This batch of product has been tested in accordance with GB/T 17874-2010 and meets all specified requirements for Hydrazine Hydrate (80% grade). It is qualified for use.

Issue Date: 20 FEB 2025