



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Product Information

Product Name 1,6-Hexanediamine

Product Number:HDA-20260217

Batch Number:HDA-SH2026021701

Brand:SIGALD

CAS Number:124-09-4

MDL Number:MFCD00008256

Formula:C₆ H₁₆ N₂

Formula Weight:116.21 g/mol

Quality Release Date:17 FEB 2026

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	Colorless to pale yellow	Colorless	-	Visual Inspection
Appearance (Form)	Crystalline solid	Crystalline solid	-	Visual Inspection
Purity (C ₆ H ₁₆ N ₂)	≥ 99.0%	99.4%	%	Gas Chromatography (GC)
Melting Point	40-42°C	41.3°C	°C	Melting Point Determination
Boiling Point	204-205°C	204.7°C	°C	Distillation Method
Water Content	≤ 0.5%	0.2%	%	Karl Fischer Titration
Heavy Metals (Pb)	≤ 0.001%	0.0003%	%	Atomic Absorption Spectrometry (AAS)
Iron (Fe)	≤ 0.0005%	0.0002%	%	Spectrophotometry
Insoluble Matter in Ethanol	≤ 0.1%	0.05%	%	Gravimetric Method

Certification This batch of product has been tested in accordance with industrial standards for 1,6-hexanediamine and meets all specified requirements. It is qualified for use.

Issue Date: 17 FEB 2026