



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis

Product Name: Benzotriazole (BTA)

Product Information

Product Number: BTA-CAS95147-202802 Batch Number: BTA-2028022001 Brand: SIGALD CAS
Number: 95-14-7 MDL Number: MFCD00005699 Formula: C₆ H₅ N₃ Formula Weight: 119.12 g/mol
Quality Release Date: 20 FEB 2025

Test Item	Specification (Industrial Standard)	Result	Test Method
Appearance	White to off-white crystalline powder, no mechanical impurities	White crystalline powder	Visual Inspection
Purity (by HPLC)	≥ 99.0%	99.5%	HPLC (GB/T 19469-2004)
Melting Point Range	98.0-100.0°C	98.8°C	Melting Point Apparatus
Moisture Content	≤ 0.5%	0.2%	Karl Fischer Method (GB/T 2366-2008)
Ash Content	≤ 0.1%	0.05%	Gravimetric Method
Heavy Metals (Pb)	≤ 0.0005%	0.0001%	Atomic Absorption Spectrometry (AAS)
Iron (Fe)	≤ 0.001%	0.0003%	1,10-Phenanthroline Spectrophotometry
Solubility (25°C, in water)	≥ 1.0 g/L	1.3 g/L	Solubility Test
Supplier Information	Confirmed	Confirmed	-
Registered Trademark	Confirmed	Confirmed	-

This batch of product has been tested in accordance with industrial standards for benzotriazole (BTA) and meets all specified requirements. It is qualified for use. Issue Date: 20 FEB 2025