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Certificate of Analysis

Catalog Number	07456
Product Name	Z-Ala-His-OMe
Lot Number	517409
CAS Registry Number	32303-82-5
Molecular Formula	C ₁₈ H ₂₂ N ₄ O ₅
Molecular Weight	374.4
Appearance	White powder
Solubility	50 mg/mL in methanol (clear, colorless solution)
Optical Rotation	$\alpha_D^{24} = -10.5^\circ$ (1 % in methanol)
CHN-Analysis	Theory C = 57.75 % H = 5.92% N = 14.96% Found C = 57.80% H = 5.69% N = 15.03%
Identity (TLC)	n-Butanol/acetic acid/ H ₂ O 4/2/2 (v/v/v) Chloroform/methanol/acetic acid(98-100%)/H ₂ O 45/13/1/2 (v/v/v/v) Chloroform/methanol/benzene/H ₂ O 8/8/8/1 (v/v/v/v) Plate : silicagel 60 F ₂₅₄ Detected by : UV, chlorine-tolidine
Purity (TLC)	≥ 99%
Storage	Store at -0°C.
Remarks	See Material Safety Data Sheets for additional information. For Laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Sashi Kumar
Quality Control Manager