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Certificate of Analysis

Catalog Number	05495
Product Name	Boc-D-His(Bzl)-OH
Lot Number	0554934
Molecular Formula	C ₁₈ H ₂₃ N ₃ O ₄
Molecular Weight	345.4
Appearance	White powder
Solubility	Clear, colorless solution (50mg/mL in Methanol)
Optical Specific Rotation (α^24_D)	-22.6 ° (1% CH ₃ OH)
Melting Point	182.6 °C
CHN-Analysis	
Elemental Analysis (Theory)	C 62.6%, H 6.7%, N 12.2%
Elemental Analysis (Found)	C 62.5%, H 6.8%, N 12.2%
Assay (TLC)	Purity by TLC >99%
n-Butanol/Acetic acid/H₂O 4/2/2 (v/v/v)	Detected by UV, Ninhydrin, chlorine-tolidine.
Chloroform/Methanol/Acetic acid/H₂O 45/13/1/2 (v/v/v/v)	
Ethyl acetate/Pyridine/Acetic acid /H₂O 60/20/6/11(v/v/v/v)	
Plate: Silicagel 60 F₂₅₄	
Related impurity (TLC)	<0.2% H-D-His(Bzl)-OH
Storage	Store at RT.
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

A handwritten signature in black ink, appearing to read 'Sashi Kumar', written diagonally across the page.

Sashi Kumar
Quality Control Manager