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Certificate of Analysis

Catalogue Number 05970
Lot Number 000127-0505232
Product ***N*^{im}-Benzyl-D-histidine**

D-His(Bzl)-OH

Molecular Formula C₁₃H₁₅N₃O₂

Molecular Weight 245.28

Appearance White powder
Appearance of Solution Clear, colorless solution (50 mg/mL in 80% AcOH)
Elemental Analysis (Theory) C=55.51%, H=6.81%, N=14.94%
Calc. as x 2H₂O
Elemental Analysis (Found) C=55.65%, H=6.64%, N=15.00%
Calc. as x 2H₂O
Water Content (Karl Fisher) 12.4%
TLC System Chloroform/methanol/acetic acid 32% (5:3:1)
Ethylacetate/pyridine/acetic acid/water (6:5:1:3)
n-butanol/acetic acid/water (4:2:2)
Plate: Silicagel 60 F₂₅₄
Detected by : UV, ninhydrin, chlorine-tolidine, Pauly
Optical Rotation [α]²⁴_D = - 17.5 ° (C=1 in HCl2M)
Purity by TLC > 99%
Storage Store at 0-8°C

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Remarks

See material safety data sheet for additional information

For laboratory use only

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



Bala Kumar
Quality Control Manager