

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number 09042
Product **H-D-His(3-Me)-OH**

Lot Number 000127-1020166
D-His(π -Me)-OH
H-N- π -methyl-D-histidine

CAS Number 163750-76-3
Molecular Formula C₇H₁₁N₃O₂

Molecular Weight 169.18

Appearance Slightly yellowish powder
Solubility Clear, yellowish solution (50 mg/mL in Water)
Elemental Analysis (Theory) C = 44.9%; H = 7.0%; N = 22.5% (Calculated x 1 Water : 9.6%)
Elemental Analysis (Found) C = 44.7%; H = 6.8%; N = 22.2% (Calculated x 1 Water : 9.6%)
Water Content (Karl Fisher) 9.6%
TLC System Isopropanol/Ammonia conc. (1:1)
Methanol/Chloroform/Ammonia 17% (2:2:1)
n-Butanol/Acetic acid/H₂O (4:2:2)
Plate: silicagel 60 F₂₅₄
Detected by: UV, ninhydrin, chlorine-tolidine
Optical Rotation [a]_D²⁴ = +23.3° (C=1% in Water)
Assay by titration 89.1% (HClO₄)
Purity > 99% (TLC)
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