

# Chem-Impex International, Inc.

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## Certificate of Analysis

**Catalogue Number** 04062  
**Lot Number** 000127-1023082  
**Product** ***N*<sup>α</sup>-Boc-L-histidine hydrazide**

Boc-L-His-NHNH<sub>2</sub>

**CAS Number** 42002-05-1  
**Molecular Formula** C<sub>11</sub>H<sub>19</sub>N<sub>5</sub>O<sub>3</sub>  
**Molecular Weight** 269.3

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**Appearance** White product  
**Solubility** Clear, colorless solution (50 mg/mL in MeOH)  
**Melting Point** 156 °C  
**Elemental Analysis (Found)** C = 48.85%, H = 7.16%, N = 25.82%  
**TLC System** n-butanol/Acetic acid/Water (4/2/2)  
Ethylacetate/Pyridine/Acetic acid/Water (60/30/9/16.5)  
Chloroform/Methanol/Acetic acid 32% 5/3/1  
Plate : Silicagel 60 F<sub>254</sub>  
Detected by : UV, Ninhydrin, Chlorine-tolidine, Pauly, FeCl<sub>3</sub>  
**Purity by TLC** > 98%  
**Storage** Store at 0 - 8 °C  
**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