

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalog Number</b>	03190
<b>Product Name</b>	Boc-Histidinol(Tos) Boc-N <sup>im</sup> -(4-toluenesulfonyl)-L-histidinol
<b>Lot Number</b>	3190-102299-V
<b>Molecular Formula</b>	C <sub>18</sub> H <sub>25</sub> N <sub>3</sub> O <sub>5</sub> S
<b>Molecular Weight</b>	395.5
<b>Melting Point</b>	35-40°C
<b>Appearance</b>	White Amorphous Powder
<b>TLC</b>	
<b>Ethyl Acetate (100%)</b>	R <sub>f</sub> = 0.67
<b>Ethyl Acetate: Hexane 1:1</b>	R <sub>f</sub> = 0.30
<b>Specific Rotation α<sub>D</sub></b>	+4.7°C (C=1, Methanol)
<b>HPLC</b>	Purity 99.0 %, Vydac C <sub>18</sub> column, gradient elution 40-60% B in 25 min., t <sub>R</sub> 7.9 min, λ=236 nm, flow rate 1ml/min, injection 1 µl of 0.5% solution in methanol  A=Water:trifluoroacetic acid (100:0.5) B=Acetonitrile:Water:trifluoroacetic acid (83:17:0.38)
<b>Storage</b>	Store at -0°C.
<b>Remarks</b>	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

