

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalog Number</b>	04434
<b>Product Name</b>	Trt-His(Trt)-OH N <sup>α,im</sup> -Ditrityl-L-histidine
<b>Lot Number</b>	4434-011228-V
<b>Molecular Formula</b>	C <sub>44</sub> H <sub>37</sub> N <sub>3</sub> O <sub>2</sub>
<b>Molecular Weight</b>	639.8
<b>Melting Point</b>	191-193°C
<b>Optical Rotation</b>	α <sub>D</sub> = 11.67°C (C=1 MeOH)
<b>HPLC</b>	Purity 98.0 %, Vydac C <sub>18</sub> column, gradient elution 40-90% B in 25 min., t <sub>R</sub> 15.2 min, ε=220 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 (90:10:0.38)
<b>TLC</b>	
<b>Chloroform:Methanol:</b>	9:1 R <sub>f</sub> = 0.67 single spot
<b>chloroform:Methanol</b>	8:8:8:1 R <sub>f</sub> = 0.80 single spot
<b>Purity</b>	99.20%
<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

