

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalog Number</b>	04399
<b>Product Name</b>	Ac-D-Tyr-OH N-Acetyl-D-tyrosine
<b>Lot Number</b>	4399-111000-V
<b>Molecular Formula</b>	C <sub>11</sub> H <sub>13</sub> NO <sub>4</sub>
<b>Molecular Weight</b>	223.22
<b>Melting Point</b>	150-152°C(crystals from water)
<b>Specific Rotation</b>	$\alpha_D = -45.2^\circ$ (c=2.0, water)
<b>Chromatography</b>	
<b>TLC</b>	Butanol:Ethyl Acetate:Acetic acid:Water 1:1:1:1 R <sub>f</sub> =0.72
<b>HPLC</b>	Purity 99.6%, Vydac C <sub>18</sub> column, gradient eluion 5-90% B t <sub>R</sub> =6.8 min, $\lambda = 214\text{nm}$ , flow rate 1 ml/min 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