

# Chem-Impex International, Inc.

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825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	00305
<b>Lot Number</b>	000424-190803-10806
<b>Product</b>	<b>D-Tyrosine</b> D-Tyr-OH
<b>CAS Number</b>	556-02-5
<b>Molecular Formula</b>	C <sub>9</sub> H <sub>11</sub> NO <sub>3</sub>
<b>Molecular Weight</b>	181.19

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<b>Appearance</b>	White powder
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = 9.9 ° (C=2 in 1N HCl)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	0.33% (80 °C, 2h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Assay by titration</b>	98.79% (HClO <sub>4</sub> )
<b>L-Enantiomer</b>	Not detected
<b>Purity by TLC</b>	One spot
<b>Chiral Purity</b>	100% (ee)
<b>Storage</b>	Store at RT
<b>Remarks</b>	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**