

# *Chem-Impex International, Inc.*

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825 Dillon Drive

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## *Certificate of Analysis*

<b>Catalogue Number</b>	04117
<b>Lot Number</b>	000424-210419-21193
<b>Product</b>	<b>L-3,4-Difluorophenylalanine</b> L-Phe(3,4-DiF)-OH
<b>CAS Number</b>	31105-90-5
<b>Molecular Formula</b>	C <sub>9</sub> H <sub>9</sub> F <sub>2</sub> NO <sub>2</sub>
<b>Molecular Weight</b>	201.2

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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear solution (0.3 g in 2 mL 1N HCl)
<b>Melting Point</b>	203.1 - 208.4 °C
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -3.1 ° (C = 1 in 1N HCl)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	1.52% (60 °C, 2h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	98.11%
<b>Storage</b>	Store at 0 - 8 °C
<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**