

# *Chem-Impex International, Inc.*

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**Tel:** (630) 766-2112

**E-mail:** sales@chemimpex.com

**Shipping and Correspondence:**

935 Dillon Drive

Wood Dale, IL 60191

**Fax:** (630) 766-2218

**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## *Certificate of Analysis*

<b>Catalogue Number</b>	07382
<b>Product</b>	<b>3-Trifluoromethyl-L-phenylalanine</b>

<b>Lot Number</b>	000424-171022-23777 L-Phe(3-CF <sub>3</sub> )-OH
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<b>CAS Number</b>	14464-68-7
<b>Molecular Formula</b>	C <sub>10</sub> H <sub>10</sub> F <sub>3</sub> NO <sub>2</sub>

<b>Molecular Weight</b>	233.19
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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear solution (0.3 g in 2ml 2N NaOH)
<b>Melting Point</b>	192.0-192.9 °C
<b>Water Content (Karl Fisher)</b>	0.26%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = + 2.8 ° (C=1, in 2N NaOH)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	0.10% (80°C, 2h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	99.01%
<b>Storage</b>	Store at 0-8°C

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**Remarks**

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**

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

**Bala Kumar**  
**Quality Control Manager**