

# Chem-Impex International, Inc.

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**Manufacturing site:**

825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	02155
<b>Lot Number</b>	504193
<b>Product</b>	<b>Z-Glu-Phe-OH</b>

Z-L-glutamyl-L-phenylalanine

<b>CAS Number</b>	987-84-8
<b>Molecular Formula</b>	C <sub>22</sub> H <sub>24</sub> N <sub>2</sub> O <sub>7</sub>
<b>Molecular Weight</b>	428.44

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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear colorless solution (25 mg/mL in Methanol)
<b>Melting Point</b>	167 °C
<b>TLC System</b>	Chloroform/Methanol/Acetic acid (85:10:5) Chloroform/Methanol/Acetic acid 32% (12:4:1) Ethyl acetate/Pyridine/Acetic acid/Water (60:10:3:4) Plate: Silica gel 60 F <sub>254</sub> Detected by: UV/Chlorine-tolidine
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -9° (C=1 in AcOH)
<b>Purity by TLC</b>	> 99%
<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