

# 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>	08610
<b>Lot Number</b>	000127-1040091
<b>Product</b>	<b>Gly-Gly-Gly-Gly-Gly-OH</b>  Pentaglycine  Glycyl-glycyl-glycyl-glycyl-glycine
<b>CAS Number</b>	7093-67-6
<b>Molecular Formula</b>	C <sub>10</sub> H <sub>17</sub> N <sub>5</sub> O <sub>6</sub>
<b>Molecular Weight</b>	303.27
<b>Appearance</b>	White powder
<b>Solubility</b>	Clear, colorless solution (10 mg/ml in formic acid 80%)
<b>TLC System</b>	n-Butanol/Acetic acid/H <sub>2</sub> O (4:2:2) Isopropanol/Ammonia Conc. (1:1) Methanol/Chloroform/Ammonia 17% (2:2:1) Plate: silicagel 60 F <sub>254</sub> Detected by: UV, ninhydrin, TMB
<b>Analysis by Mass Spectra</b>	M = 303.3u (average mass)
<b>Assay</b>	98.1% (Elemental analysis Nth 23.09%, Nfd 22.65%)
<b>Purity by HPLC</b>	98.4%
<b>Purity by TLC</b>	> 99%
<b>Storage</b>	Store at -0°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**