

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	09108
<b>Product</b>	<b>Ser-Gly-Gly-OH</b>  L-Ser-Gly-Gly-OH
<b>CAS Number</b>	2543-40-0
<b>Molecular Formula</b>	C <sub>7</sub> H <sub>13</sub> N <sub>3</sub> O <sub>5</sub>
<b>Molecular Weight</b>	219.2
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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear, colorless solution (50mg/mL in Water)
<b>Water Content (Karl Fisher)</b>	≥ 3%
<b>TLC System</b>	n-butanol/Acetic Acid/H <sub>2</sub> O (4:2:2) n-butanol/Acetic Acid/H <sub>2</sub> O (4:2:3) Isopropanol/Ammonia Conc. (1:1) Plate: Silica gel 60 F <sub>254</sub> Detected by: UV, ninhydrin, chlorine-tolidine
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>24</sup> = +30.4 ± 2° (C=1% in 1N HCl)
<b>Assay</b>	≥ 94% (Elemental analysis based on Nitrogen Content)
<b>Purity by TLC</b>	≥ 99%
<b>Storage</b>	Store at RT

**For Laboratory Use Only**