

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	03357
<b>Product</b>	<b>Gly-Gln-OH•H<sub>2</sub>O</b> Glycyl-L-glutamine hydrate
<b>CAS Number</b>	131115-71-4
<b>Molecular Formula</b>	C <sub>7</sub> H <sub>13</sub> N <sub>3</sub> O <sub>4</sub> •H <sub>2</sub> O
<b>Molecular Weight</b>	221.21

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<b>Appearance</b>	White crystalline powder
<b>Solubility</b>	Soluble in water, insoluble in alcohol
<b>Heavy Metals</b>	≤ 10 ppm (as Pb)
<b>Anion</b>	Chloride : ≤ 200 ppm Sulfate : ≤ 200 ppm
<b>Cation</b>	Ammonium : ≤ 200 ppm Arsenic : ≤ 1 ppm Iron : ≤ 10 ppm
<b>Water Content (Karl Fisher)</b>	8.0 - 8.5%
<b>pH</b>	5.5 - 6.5
<b>Optical Rotation</b>	[α] <sup>25</sup> <sub>D</sub> = -0.8 to -2.8 ° (C=3.8 in water)
<b>Transmission</b>	≥ 95%
<b>Other Amino Acids</b>	One point
<b>Residue On Ignition</b>	≤ 0.1%
<b>Assay by titration</b>	98.5 - 101.5%
<b>Storage</b>	Store at 0 - 8 °C

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Catalog Number: 03357

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**For Laboratory Use Only**