

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	04621
<b>Product</b>	<b>L-Prolyl-L-alanine</b>
	Pro-Ala-OH
<b>CAS Number</b>	6422-36-2
<b>Molecular Formula</b>	C <sub>8</sub> H <sub>14</sub> N <sub>2</sub> O <sub>3</sub>
<b>Molecular Weight</b>	186.21
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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear, colorless solution (50 mg/ml in 80% Acetic acid)
<b>Water Content (Karl Fisher)</b>	≤ 10%
<b>TLC System</b>	n-butanol/acetic acid/water 4/2/2 Chloroform/methanol/acetic acid/water 60/45/14/6 Methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>24</sup> = - 81 ± 2 ° (C=1%, in 80% Acetic acid)
<b>Assay</b>	≥ 90% (Elemental analysis based on Nitrogen content)
<b>Purity by TLC</b>	≥ 99%
<b>Storage</b>	Store at 0-8°C

**For Laboratory Use Only**