

# *Chem-Impex International, Inc.*

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## *Product Specifications*

**Catalogue Number** 09081

**Product** **Pro-Pro-OH•HCl**

L-Prolyl-L-proline hydrochloride

**CAS Number** 76932-06-4

**Molecular Formula** C<sub>10</sub>H<sub>16</sub>N<sub>2</sub>O<sub>3</sub>•HCl

**Molecular Weight** 248.71

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**Appearance** White powder

**Solubility** clear, colorless solution (50 mg/mL in water)

**Elemental Analysis (Theory)** C: 48.00 ± 1%, H: 7.5 ± 1%. N: 10.50 ± 1%  
Calc. as x 1.0 HCl (14.1% Cl-) x 0.1 H<sub>2</sub>O (0.7%)

**Water Content (Karl Fisher)** ≤ 1%

**TLC System** Chloroform/Methanol/Acetic Acid/water 60/45/14/6  
ethylacetate/pyridine/acetic acid/water 60/60/12/36  
plate: silicagel 60 F<sub>254</sub>  
detected by: UV, ninhydrin, chlorine - toluidine

**Titration** Chloride content : ≤ 15% (AgNO<sub>3</sub>)

**Assay** ≥ 97% (Elemental analysis, based on nitrogen content)

**Purity by TLC** ≥ 99%

**Storage** Store at 0-8°C

**For Laboratory Use Only**