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Product Specifications

Catalogue Number	08464
Product	DL-Proline amide hydrochloride DL-Pro-NH ₂ •HCl (<i>RS</i>)-Pyrrolidine-2-carboxylic acid amide hydrochloride
CAS Number	115630-49-4
Molecular Formula	C ₅ H ₁₀ N ₂ O•HCl
Molecular Weight	150.6
Appearance	White powder
Solubility	Clear, colorless solution (50mg/ml in methanol)
Melting Point	146-150 °C
Elemental Analysis (Theory)	C=39.9%;H=7.4%;N=18.6% Calc. x HCl (24.21%, Cl- 23.54%)
TLC System	Isopropanol/ammonia conc. 1/1 Methanol/chloroform/ammonia 17% 2/2/1 n-butanol/acetic acid/water 4/2/2 Plate: silicagel 60 F ₂₅₄ Detected by: UV, ninhydrin, chlorine-tolidine
Titration	≤ 25% Chloride content (AgNO ₃)
Assay	≥ 75% (Nth 24.54% by Elemental analysis)
Purity by TLC	≥ 99%
Storage	Store at 0-8°C

For Laboratory Use Only