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Certificate of Analysis

Catalogue Number 09081
Lot Number 000127-1073836
Product **Pro-Pro-OH•HCl**

L-Prolyl-L-proline hydrochloride

CAS Number 76932-06-4
Molecular Formula C₁₀H₁₆N₂O₃·HCl

Molecular Weight 248.71

Appearance White powder
Solubility Clear, colorless solution (50 mg/mL in water)
Elemental Analysis (Theory) C: 47.72%, H: 7.16%. N: 11.14%
Calc. as x 1.0 HCl (14.1% Cl-) x 0.1 H₂O (0.7%)
Water Content (Karl Fisher) 0.9%
TLC System Chloroform/Methanol/Acetic Acid/water 60/45/14/6
ethylacetate/pyridine/acetic acid/water 60/60/12/36
plate: silicagel 60 F₂₅₄
detected by: UV, ninhydrin, chlorine - toluidine
Titration Chloride content : 14.2% (AgNO₃)
Assay 97.1% (Elemental analysis, based on nitrogen content)
Purity by TLC > 99%
Storage Store at 0-8°C

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager