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Certificate of Analysis

Catalogue Number	01713
Lot Number	000127-0510790
Product	L-Proline-β-naphthylamide hydrochloride L-Pro- β NA•HCl (S)-Pyrrolidine-2-carboxylic acid- β -naphthylamide hydrochloride
CAS Number	97216-16-5
Molecular Formula	C ₁₅ H ₁₆ N ₂ O•HCl
Molecular Weight	276.8

Appearance	Off-white product
Solubility	Clear, colorless solution (25 mg/mL in Methanol 80%)
Melting Point	274-276 °C
Elemental Analysis (Theory)	C = 65.10%; H = 6.19%; N = 10.12%
Elemental Analysis (Found)	C = 65.12%, H = 6.61%, N = 10.08% Calc. as 1 HCl
Water Content (Karl Fisher)	0.6%
TLC System	Chloroform/Methanol/Acetic Acid (98-100%)/H ₂ O (45:13:1:2) Ethylacetate/Pyridine/Acetic Acid/H ₂ O (60:20:6:11) Chloroform/Methanol/Acetic Acid (77.5:15:7.5) Plate: Silica gel 60 F ₂₅₄ Detected by: UV, ninhydrin, TMB
Optical Rotation	[α] _D ²⁴ = -42.4° (C=1 in DMF/MeOH 1:1)
Titration	12.9% (Chloride 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

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

Bala Kumar
Quality Control Manager