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Certificate of Analysis

Catalogue Number	11690
Product	L-Phenylglycine ethyl ester hydrochloride
Lot Number	000127-1040097 L-Phg-OEt•HCl (S)-(+)-2-Aminophenylacetic acid ethyl ester hydrochloride
CAS Number	59410-82-1
Molecular Formula	C ₁₀ H ₁₃ NO ₂ •HCl
Molecular Weight	215.68
Appearance	White powder
Solubility	Clear, colorless solution (50 mg/ml in ethanol)
Melting Point	195 °C
Elemental Analysis (Theory)	C = 55.7%; H = 6.5%; N = 6.5% (calculated x 1 HCl (16.9%))
Elemental Analysis (Found)	C = 55.3%; H = 6.4%; N = 6.4%
Water Content (Karl Fisher)	0.2%
TLC System	Ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 Chloroform/methanol/acetic acid 77.5/15/7.5 Chloroform/methanol/acetic acid 32% 5/3/1 Plate: silicagel 60 F ₂₅₄ Detected by: UV, ninhydrin, chlorine-tolidine
Optical Rotation	[α] _D ²⁴ = +112.9° (C=1 in ethanol abs.)
Titration	Chloride content: 16.5%
Assay	82.5% (Elemental analysis: Cth 67.02%, Cfd 55.32%)
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