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Certificate of Analysis

Catalogue Number	06231
Product	β-Chloro-DL-alanine hydrochloride
Lot Number	000127-1000015198 DL- β -Chloro-Ala-OH•HCl
CAS Number	35401-46-8
Molecular Formula	C ₃ H ₆ NO ₂ Cl•HCl
Molecular Weight	160.2

Appearance	White powder
Solubility	Clear, colorless solution (50 mg/mL in AcOH 80%)
Melting Point	174 °C
Elemental Analysis (Found)	C = 22.74% H = 4.12% N = 8.85% Calc. as HCl
TLC System	n-Butanol/Acetic acid/H ₂ O (4:2:2) Isopropanol/Ammonia conc. (1:1) Ethyl acetate/Pyridine/Acetic acid/H ₂ O (5:5:1:3) Plate : silicagel 60 F ₂₅₄ Detected by : UV, ninhydrin, chlorine-tolidine
Titration	Chloride content : 22.5% (AgNO ₃)
Purity by TLC	> 98%
Storage	Store at 0 - 8 °C

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Lot Number: 000127-1000015198

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