

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Product Specifications

Catalogue Number 06231

Product **β -Chloro-DL-alanine hydrochloride**

DL- β -Chloro-Ala-OH•HCl

3-Chloro-DL-alanine hydrochloride

CAS Number 35401-46-8

Molecular Formula C₃H₆NO₂Cl•HCl

Molecular Weight 160.2

Appearance White powder

Solubility Clear, colorless solution (50 mg/mL in AcOH 80%)

Melting Point 172 - 176 °C

Elemental Analysis (Theory)
C = 22.52 ± 0.5%
H = 4.41 ± 0.5%
N = 8.75 ± 0.5%
Calc. as HCl

TLC System
n-Butanol/Acetic acid/H₂O (4:2:2)
Isopropanol/Ammonia conc. (1:1)
Ethyl acetate/Pyridine/Acetic acid/H₂O (5:5:1:3)
Plate : silicagel 60 F₂₅₄
Detected by : UV, ninhydrin, chlorine-tolidine

Titration Chloride content : ≤ 23% (AgNO₃)

Purity by TLC ≥ 98%

Storage Store at 0 - 8 °C

For Laboratory Use Only