

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:

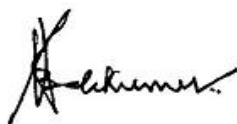
825 Dillon Drive

Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	08236
Product	H-Ala-Ala-Ala-Ala-OH
Lot Number	000127-1076112
CAS Number	926-79-4
Molecular Formula	C ₁₂ H ₂₂ N ₄ O ₅
Molecular Weight	302.33
<hr/>	
Appearance	White powder
Appearance of Solution	Clear, colorless solution (50 mg/ml in 1N HCl)
Elemental Analysis (Found)	C : 45.92%, H : 7.30%, N : 17.92% Calc. as 0.6 H ₂ O (3.5%)
TLC System	n-Butanol/Acetic acid/Water : 4/2/2 Ethylacetate/Pyridine/Acetic acid/Water : 60/60/12/36 Plate : Silicagel 60 F ₂₅₄ Detected by : UV, ninhydrin, chlorine-tolidine
Analysis by Mass Spectra	[M+H] ⁺ : m/z = 303 u
Assay	96.1% (Nfd : 17.81%)
Storage	Store at ≤ -10 °C
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