

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

Catalog Number	04430
Product Name	H-Gln-NH₂•HCl L-Glutamine α -amide hydrochloride
Lot Number	Gln20110308
Molecular Formula	C ₅ H ₁₁ N ₃ O ₂ •HCl
Molecular Weight	181.7
Appearance	Off-white powder
Optical Rotation	$\alpha^20_D = -27.9^\circ$ (C = 1% in H ₂ O)
Identification by ¹ H NMR	Complies to structure (D ₂ O)
Identification by ¹³ C NMR	Complies to structure (D ₂ O)
Purity by ¹ H NMR	> 98%
Storage	Store at 0-5°C.
Remarks	See material safety data sheets 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