

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	28723
Lot Number	001419-020515-28723
Product	2-Piperazinecarboxylic acid ethyl ester dihydrochloride Ethyl-2-piperazinecarboxylate dihydrochloride
CAS Number	129798-91-0
Molecular Formula	C ₇ H ₁₄ N ₂ O ₂ ·2HCl
Molecular Weight	231.12

Appearance	Pale yellow crystalline powder
Elemental Analysis (Theory)	Cl = 30.72%
Elemental Analysis (Found)	Cl = 29.6%
Water Content (Karl Fisher)	0.42%
¹H NMR	Conforms to structure
Purity	> 95% (NMR)
Storage	Store at 0-8 °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