

Chem-Impex International, Inc.

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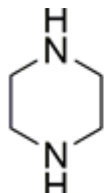
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



• 2HCl

• H₂O

Product Specifications

Catalogue Number	43353
Product	Piperazine dihydrochloride monohydrate
CAS Number	142-64-3
Molecular Formula	C ₄ H ₁₀ N ₂ •2HCl•H ₂ O
Molecular Weight	177.07

Warnings	<i>Hygroscopic!</i>
Appearance	White to off-white crystalline powder
Solubility	Soluble in water.
Anion	Chloride content : ≥ 38% (by Potentiometer)
Water Content (Karl Fisher)	≤ 12%
Related Substances	Any unknown single maximum impurity : ≤ 1% Total impurities : ≤ 2% Monoethanolamine : ≤ 1% (by GC)
Assay by titration	≥ 99%
Purity by GC	≥ 99%
Storage	Store at RT
Additional Information	Test for chlorine : Positive test for chlorine

For Laboratory Use Only