BIOSPECTRA
Bulk cGMP Fine Chemical Manufacturer

GMP SOLUTION
ICH Q7 GMP MANUFACTURED PRODUCT

GUANIDINE HYDROCHLORIDE 6M SOLUTION

GMP, Excipient

CAS #: 50-01-1 **Formula: $NH_2C(NH)NH_2 \cdot HCl$** **F.W.: 95.53 g/mol**

GHCL-3101

BIO EXCIPIENT GRADE

ANALYSIS		SPECIFICATIONS
Absorbance (Neat)	260 nm	< = 0.1 a.u.
Appearance and Color		Clear, Colorless Liquid
Cyanide		Passes Test
Identification, IR		Conforms to Reference Standard
Molarity		5.8 – 6.2 M
pH (Neat)		4.5 – 6.5
Trace Metals	Iron (Fe) Lead (Pb)	< = 3 ppm < = 10 ppm

General Product Overview

Guanidine Hydrochloride 6M Solution can be used to denature proteins which become randomly coiled with no residual structure. This concentration is also used to decrease enzyme activity. The denatured proteins can be modified or analyzed using mass spectrometry, electrophoresis and enzymatic digests. As a chaotropic agent, Guanidine Hydrochloride Solution is also used to break the hydrogen bonds in the structure of proteins and increase the solubility of hydrophobic molecules.

Industry Application

Suitable for use as a cGMP chemical in pharmaceutical manufacturing processes.

Click here to view SDS, CoAs and other supporting regulatory documents on our website.

Key Product Features

- The manufacturing of Guanidine HCl 6M Solution, GHCL-3101 is performed at BioSpectra's Bangor, PA facility.
- Appears as a clear, colorless liquid
- Manufactured in accordance with ICH Q7
- Manufactured in an enzyme free, hormone free and animal free environment.
- Contains no known major food allergens (as defined by FDA and WHO)
- The final product and its raw materials are not derived from nor come into contact with animal parts, animal products, and/or animal byproducts or derivatives.
- It is not subject to genetic modification
- Synonyms: Guanidine Monohydrochloride 6M Solution; Guanidinium Chloride 6M Solution; Guanidinium Hydrochloride 6M Solution.

Storage and Shipping Conditions

Refer to SDS.

Standard Shelf-Life Policy

Unless otherwise noted on the Shelf-Life Statement and CoA, this product has a 2-year retest date supported by a 3-year ICH Q1 Stability Study (if one is completed).

Package Sizes

200L drum and 1,135L tote