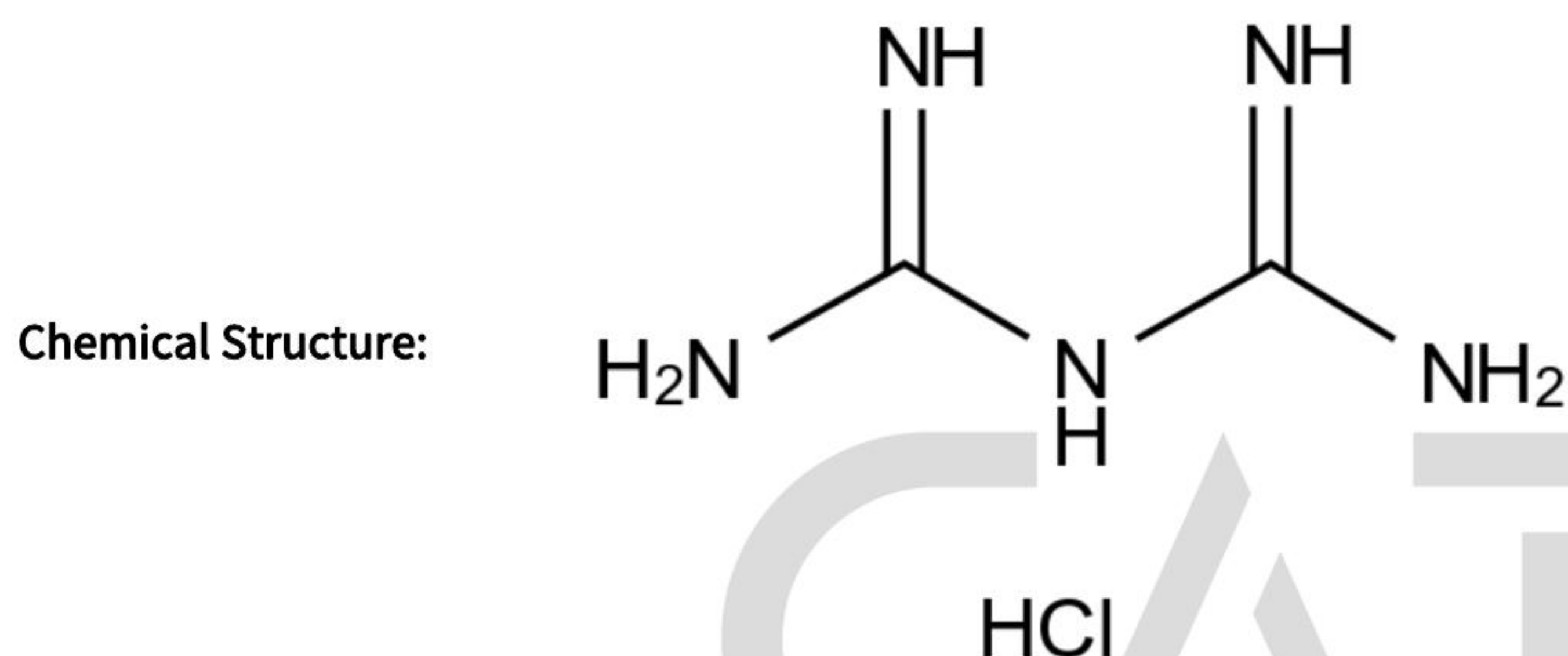


Certificate of Analysis

Reference Material & Standard

Product Name:	Biguanide Hydrochloride	Catalogue Number:	C4X-19755
Synonyms:	N/A	Lot Number:	0412-RF-0020
CAS Number:	4761-93-7	Expiry Date:	Mar 05, 2028
Molecular Formula:	C ₂ H ₇ N ₅ HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	101.11 36.46		



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	ELSD	99.941%
Loss On Drying	TGA	0.6681%
Assay		99.3%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss On Drying) * Purity ELSD (%) / 100%

Loss On Drying is considered as absolute effect, ELSD purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Mar 10, 2025

Date: Mar 10, 2025

Date: Mar 10, 2025

