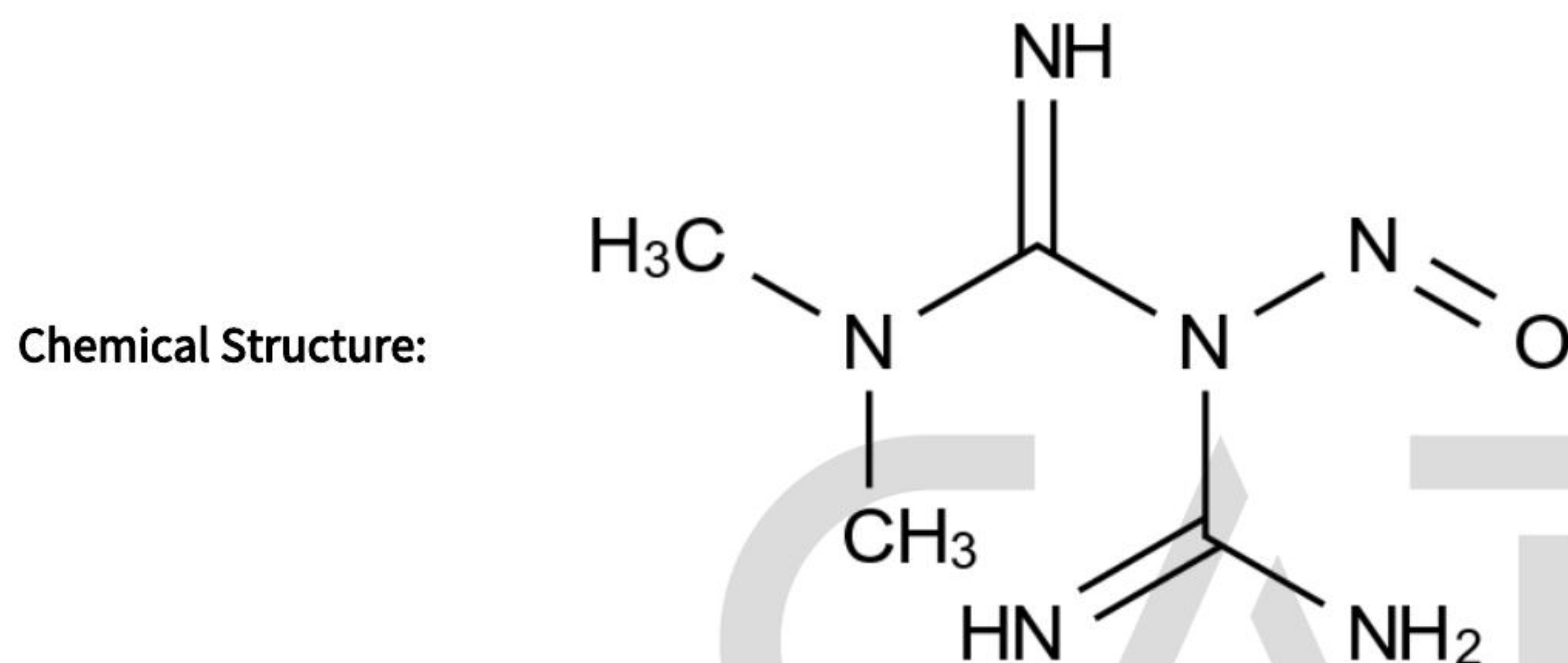


Certificate of Analysis

Reference Material & Standard

Product Name:	Metformin impurity 53	Catalogue Number:	C4X-122053
Synonyms:	N/A	Lot Number:	0513-RG-0143
CAS Number:	N/A	Expiry Date:	Jan 09, 2028
Molecular Formula:	C ₄ H ₁₀ N ₆ O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	158.16		



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	98.91%
Loss On Drying	TGA	4.118%
Assay		94.8%

Comment:

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

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

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

Signature:

Prepared by:

Lily

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: May 15, 2025

Date: May 15, 2025

Date: May 15, 2025

