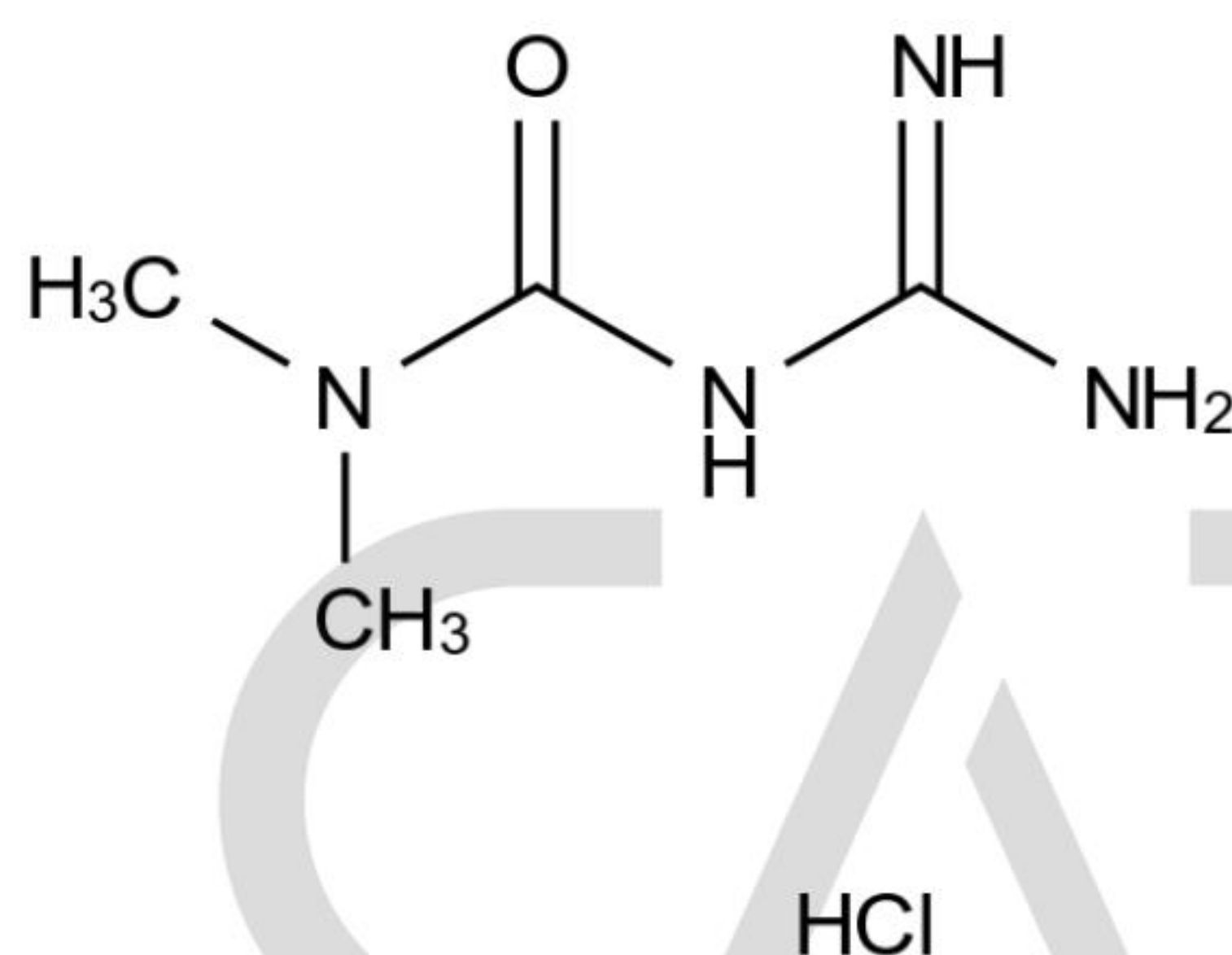


Certificate of Analysis

Reference Material & Standard

Product Name:	Metformin Impurity 22	Catalogue Number:	C4X-122022
Synonyms:	N/A	Lot Number:	0802-RH-0041
CAS Number:	N/A	Expiry Date:	Jul 20, 2030
Molecular Formula:	C ₄ H ₁₀ N ₄ O HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	130.15 36.46	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	100.0000%
Water Content	Karl Fischer	7.60%
Residual Solvents	NMR	Not detected in NMR
Assay		92.4%

Comment:

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

Assay (%) = (100%-Water Content-Residual Solvents) * Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Reviewed by:

Approved by General Manager:

Date: Aug 04, 2026

Date: Aug 04, 2026

Date: Aug 04, 2026



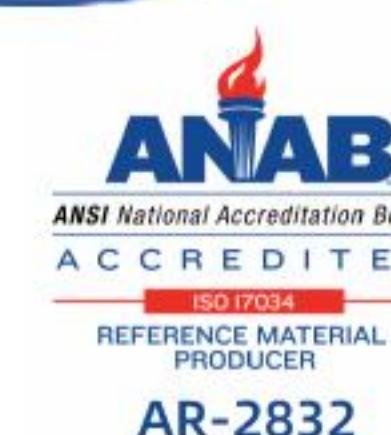
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