

Certificate of Analysis

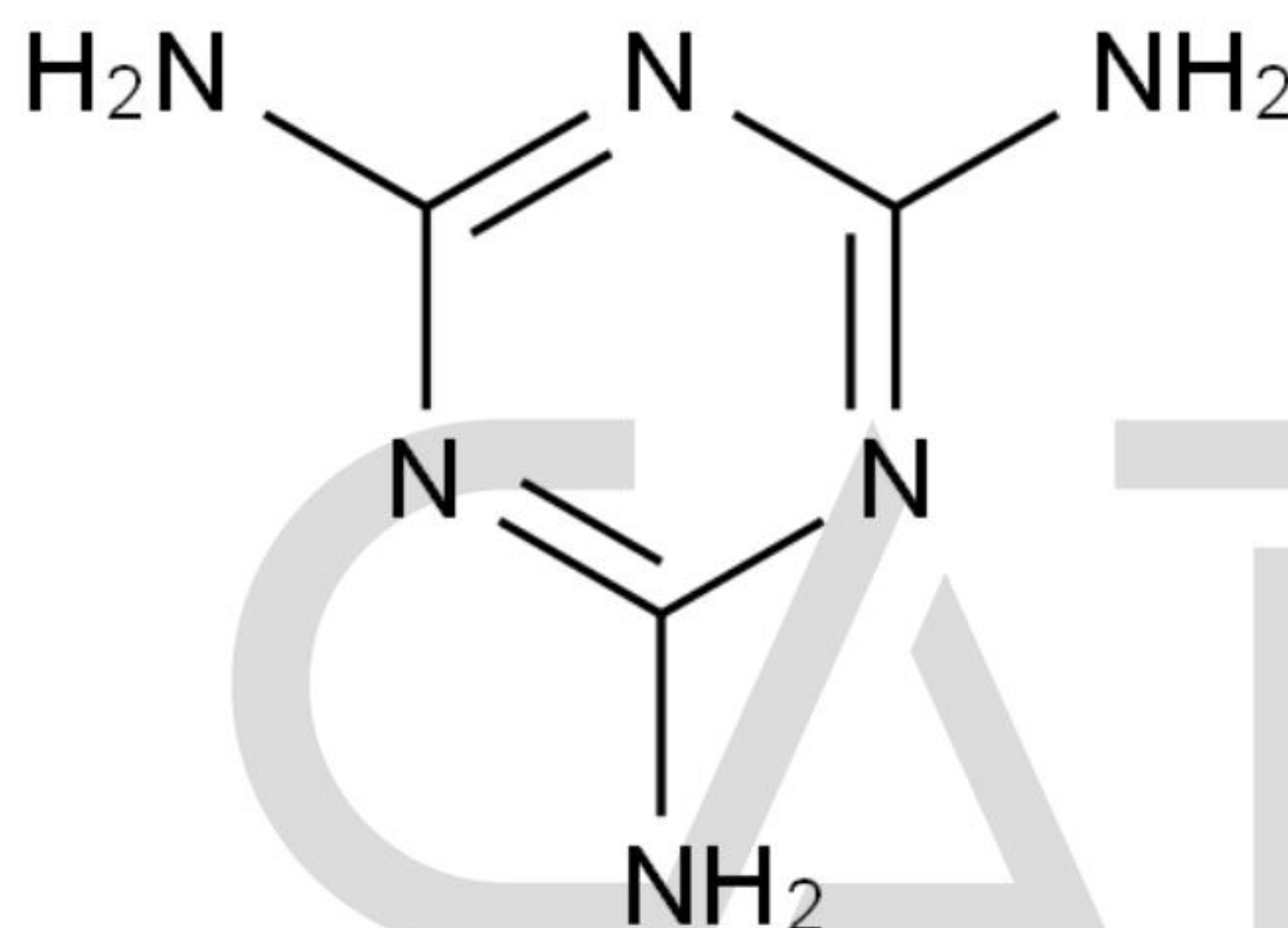
Reference Material & Standard

Product Name:	Metformin EP Impurity D	Catalogue Number:	C4X-12204
Synonyms:	N/A	Lot Number:	0507-RH-0083
CAS Number:	108-78-1	Expiry Date:	May 06, 2030
Molecular Formula:	C ₃ H ₆ N ₆	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	126.12	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	HPLC	100.000%
Loss on Drying	TGA	0.2718%
Assay		99.7%

Comment:

The calculation of the mass balance 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:

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Date: May 07, 2026

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Page 1 of 10



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