

Certificate of Analysis

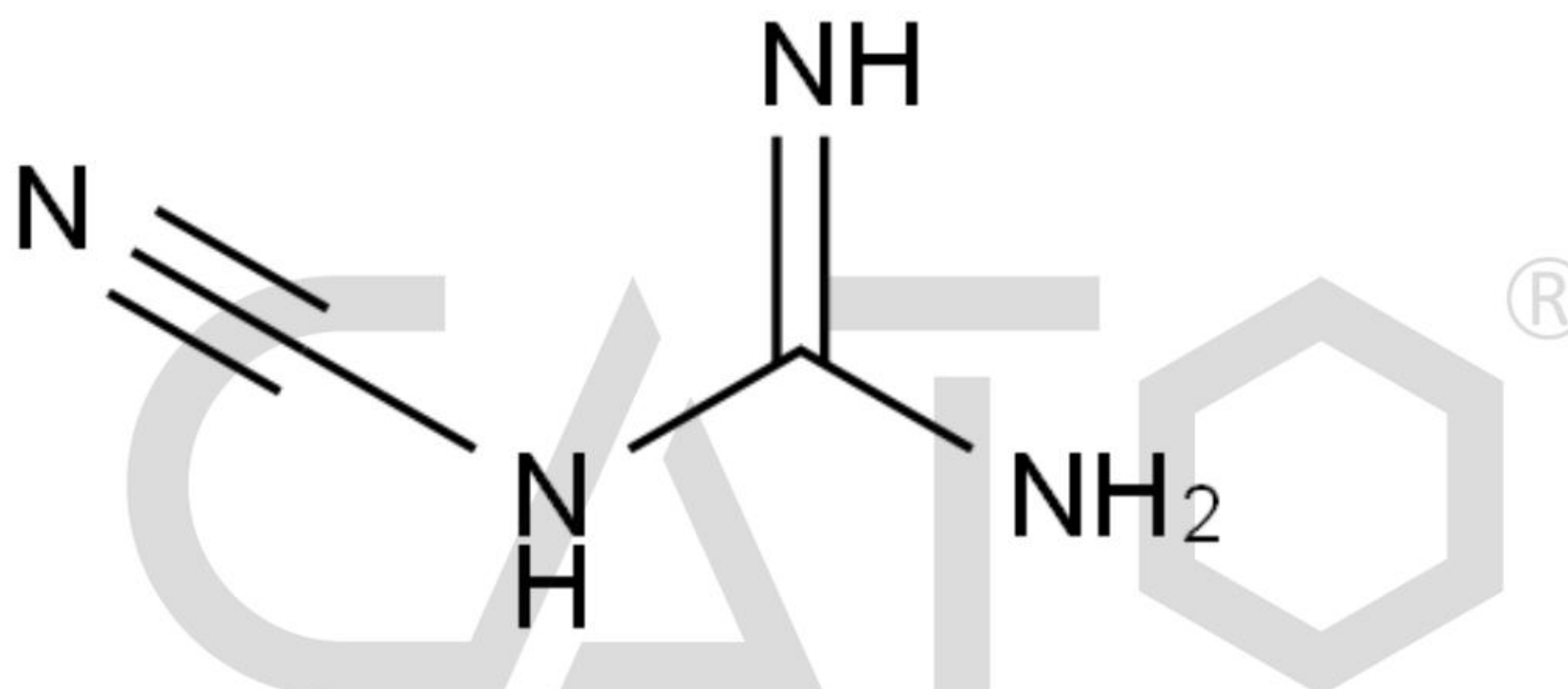
Reference Material & Standard

Product Name:	Metformin EP Impurity A	Catalogue Number:	C4X-12201
Synonyms:	Metformin Related Compound A	Lot Number:	0916-RH-0059
CAS Number:	461-58-5	Expiry Date:	Sep 20, 2030
Molecular Formula:	C ₂ H ₄ N ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	84.08	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.879%
Loss on Drying	TGA	0.5118%
Assay		99.4%

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:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Sep 21, 2026

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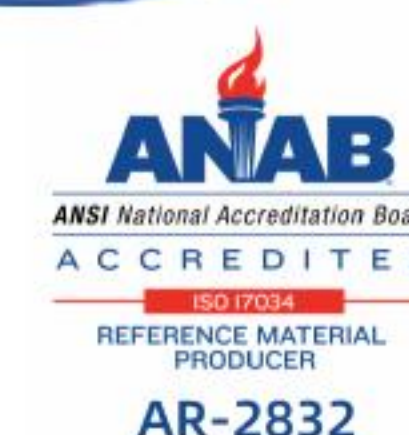
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