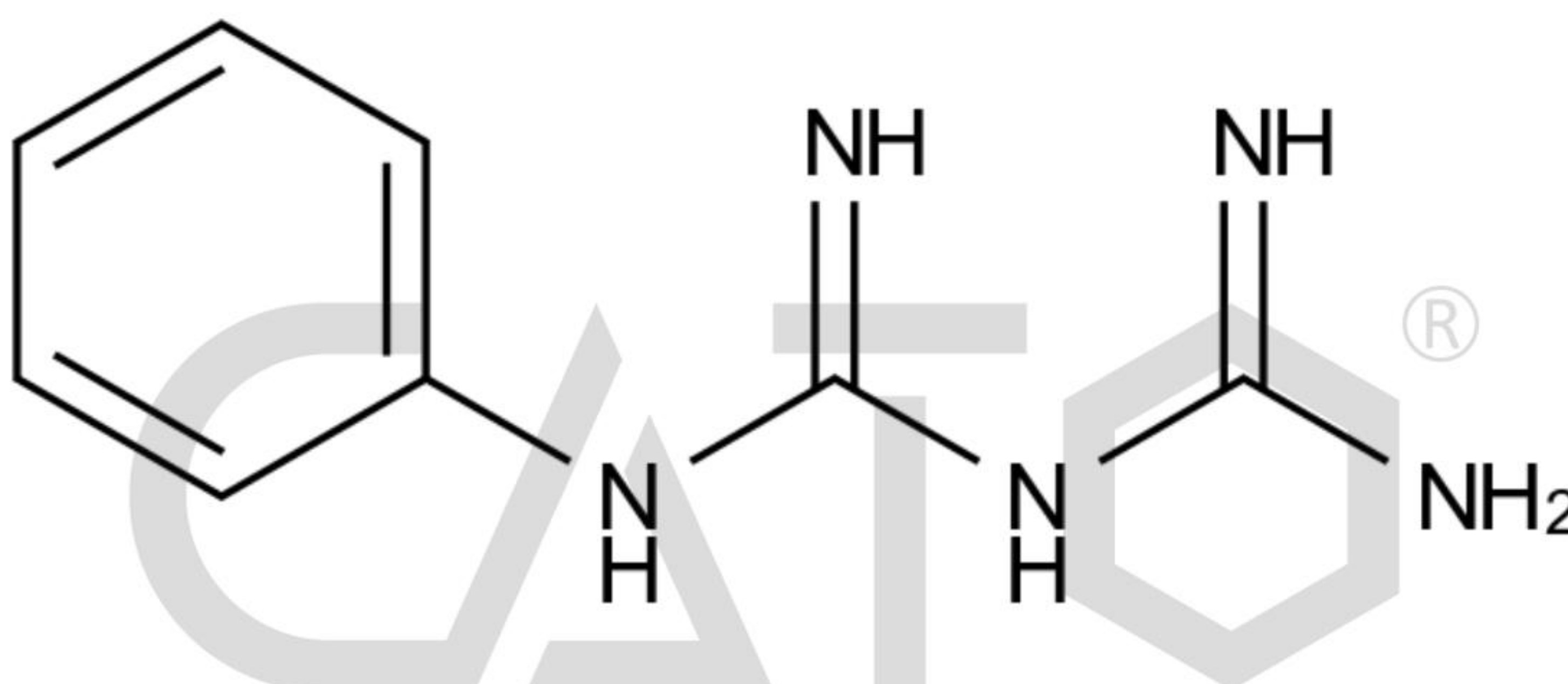


Certificate of Analysis

Reference Material & Standard

Product Name:	1-phenylbiguanide	Catalogue Number:	C1018681
Synonyms:	N/A	Lot Number:	0414-RG-0049
CAS Number:	102-02-3	Expiry Date:	Apr 17, 2028
Molecular Formula:	C8H11N5	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	177.21	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.725%
Loss On Drying	TGA	0.5129%
Assay		99.2%

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:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Apr 18, 2025

Date: Apr 18, 2025

Date: Apr 18, 2025

