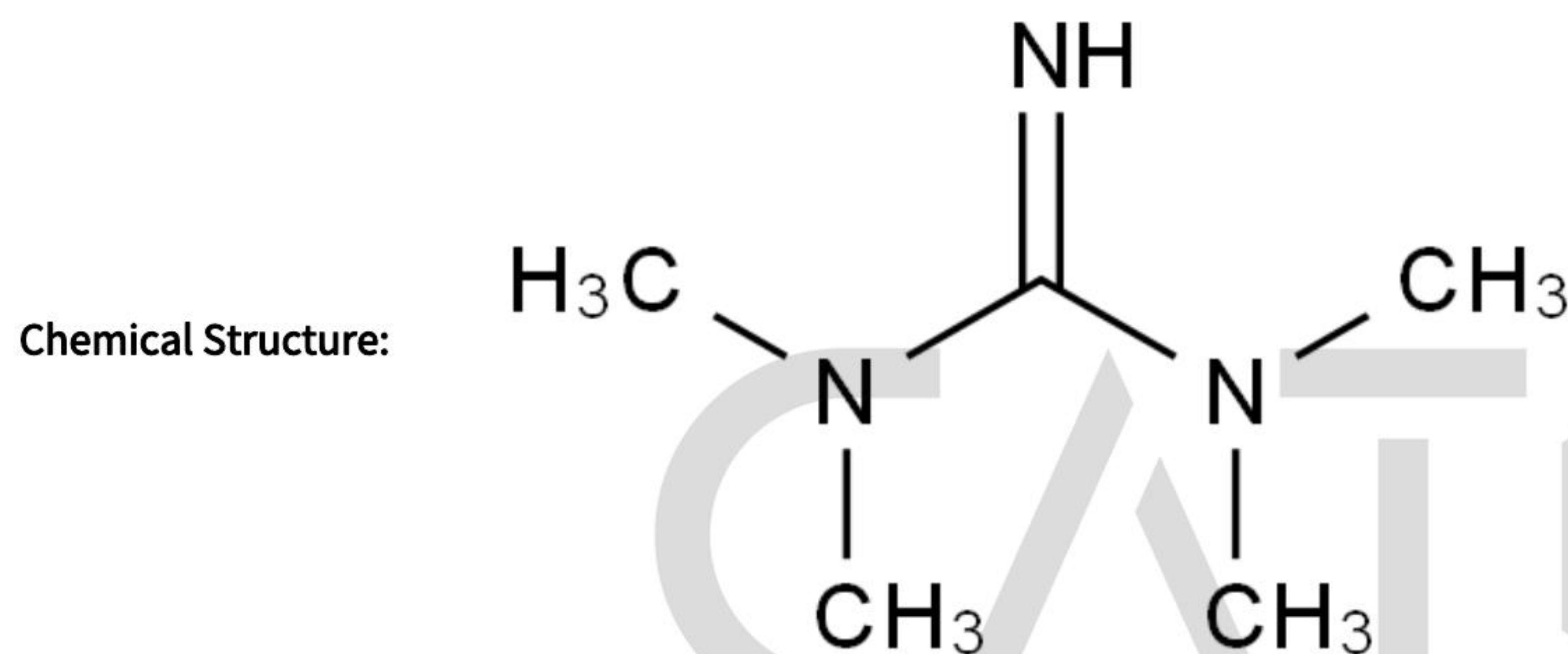


Certificate of Analysis

Reference Material & Standard

Product Name:	1,1,3,3-Tetramethylguanidine	Catalogue Number:	C3D-4133
Synonyms:	N/A	Lot Number:	0714-RH-0038
CAS Number:	80-70-6	Expiry Date:	Jul 15, 2030
Molecular Formula:	C ₅ H ₁₃ N ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	115.18	Shipping Condition:	Shipping at Room Temperature



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	GCMS&CNMR&HNMR	Confirmed
Purity	GC	97.748%
Water Content	Karl Fischer	0.2757%
Assay		97.5%

Comment:

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

Assay (%) = (100% - Water Content) * Purity GC (%) / 100%

Water Content is considered as absolute effect, GC purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Jul 16, 2026

Date: Jul 16, 2026

Date: Jul 16, 2026



Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

