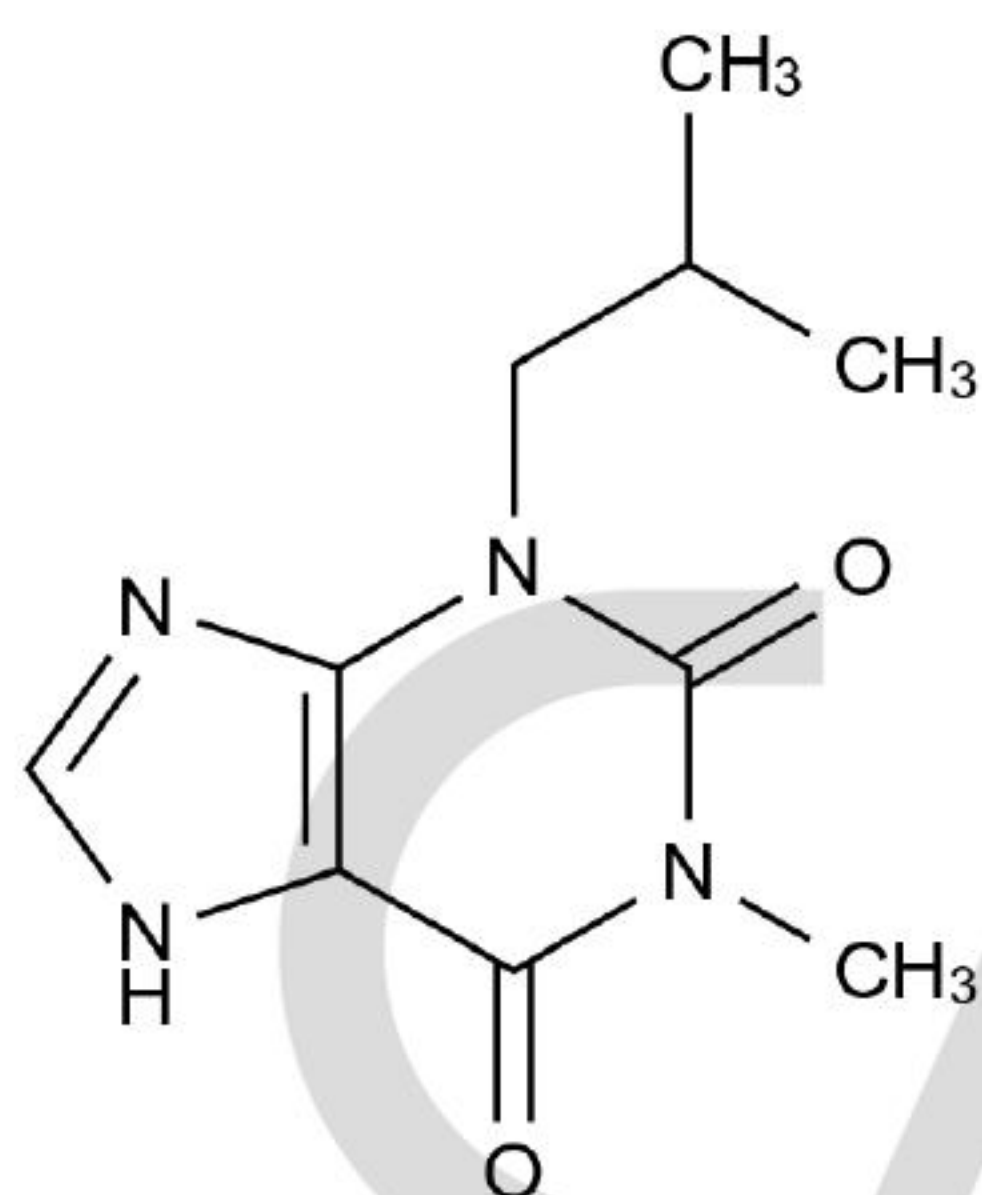


Certificate of Analysis

Reference Material & Standard

Product Name:	3-Isobutyl-1-Methylxanthine	Catalogue Number:	C1915803
Synonyms:	N/A	Lot Number:	0830-RF-0059
CAS Number:	28822-58-4	Expiry Date:	Sep 01, 2028
Molecular Formula:	C ₁₀ H ₁₄ N ₄ O ₂	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	222.24	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.756%
Loss On Drying	TGA	0.1392%
Assay		99.6%

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: Sep 02, 2024

Date: Sep 03, 2024

Date: Sep 03, 2024

