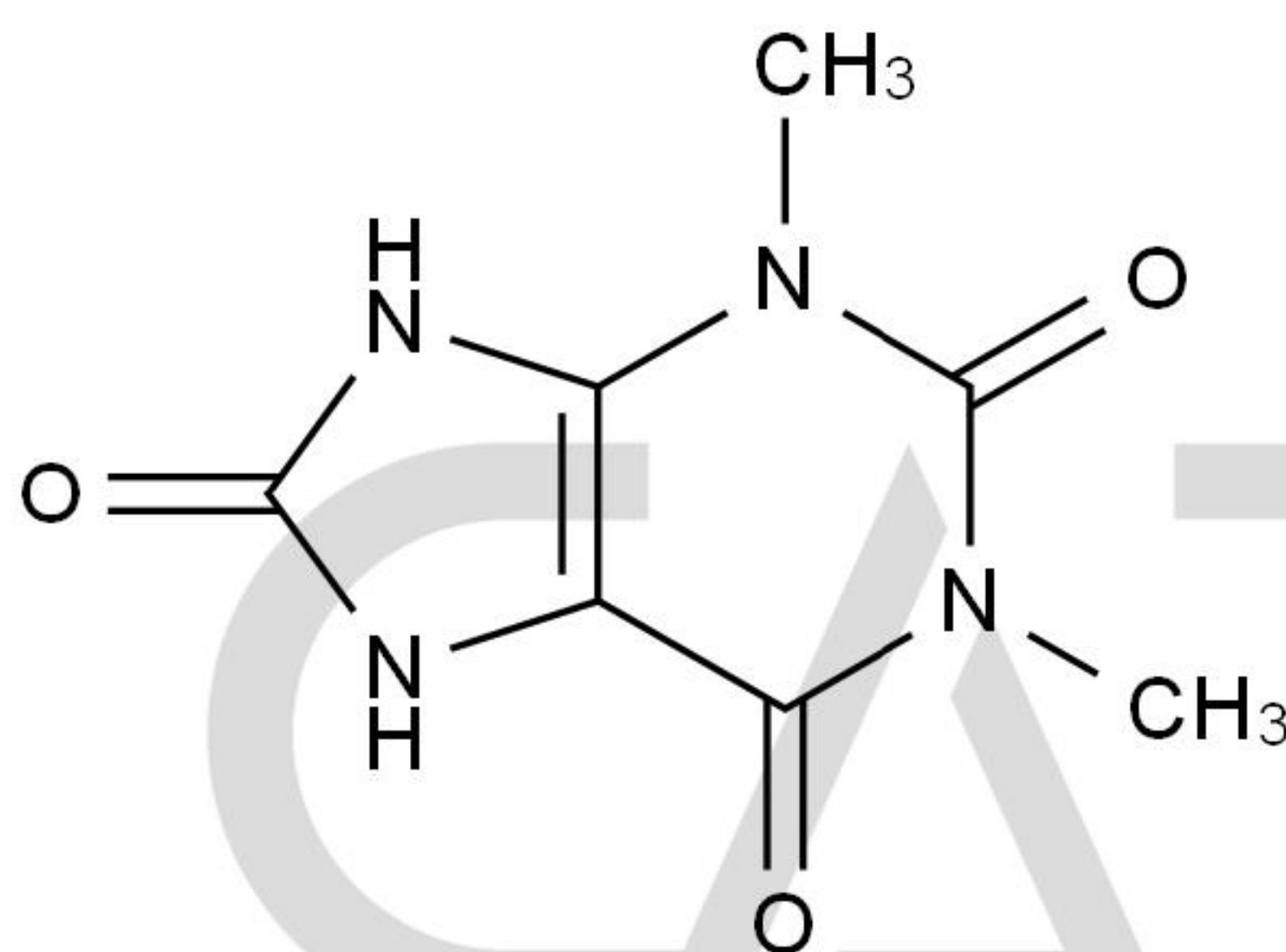


Certificate of Analysis

Reference Material & Standard

Product Name:	Theophylline EP Impurity E	Catalogue Number:	C4X-18555
Synonyms:	Dimethyl uric acid	Lot Number:	0718-RF-0057
CAS Number:	944-73-0	Expiry Date:	Jul 22, 2027
Molecular Formula:	C ₇ H ₈ N ₄ O ₃	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	196.16	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	100.000%
Loss on Drying	TGA	0.7704%
Assay		99.2%

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: Apr 23, 2026

Date: Apr 23, 2026

Date: Apr 23, 2026



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