

Certificate of Analysis

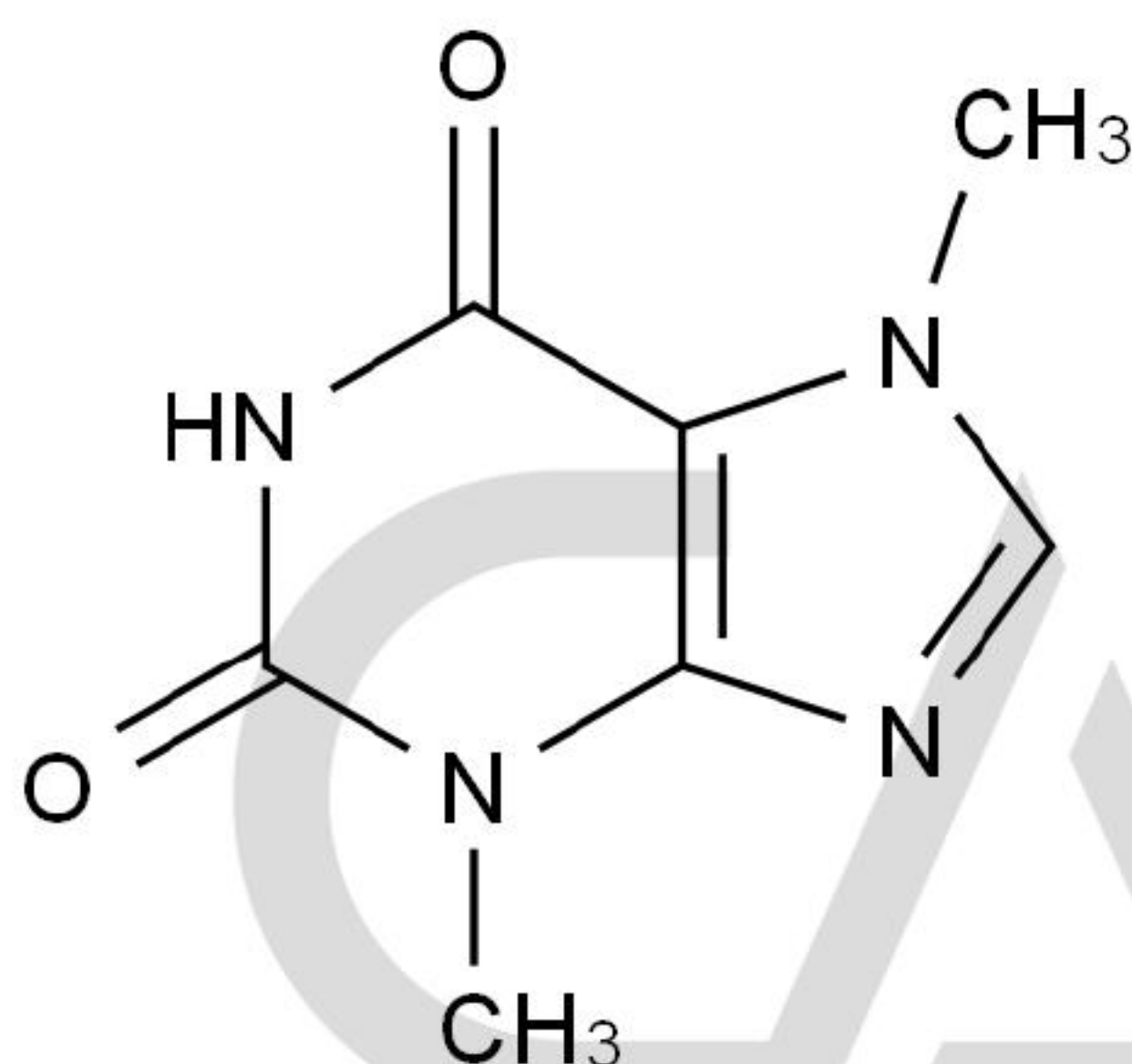
Reference Material & Standard

Product Name:	Aminophylline EP Impurity G	Catalogue Number:	C4X-18557
Synonyms:	Theobromine	Lot Number:	0731-RH-0069
CAS Number:	83-67-0	Expiry Date:	Jul 30, 2030
Molecular Formula:	C ₇ H ₈ N ₄ O ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	180.16	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	HPLC	99.914%
Loss on Drying	TGA	0.1378%
Assay		99.8%

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:

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Reviewed by:

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Date: Jul 31, 2026

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