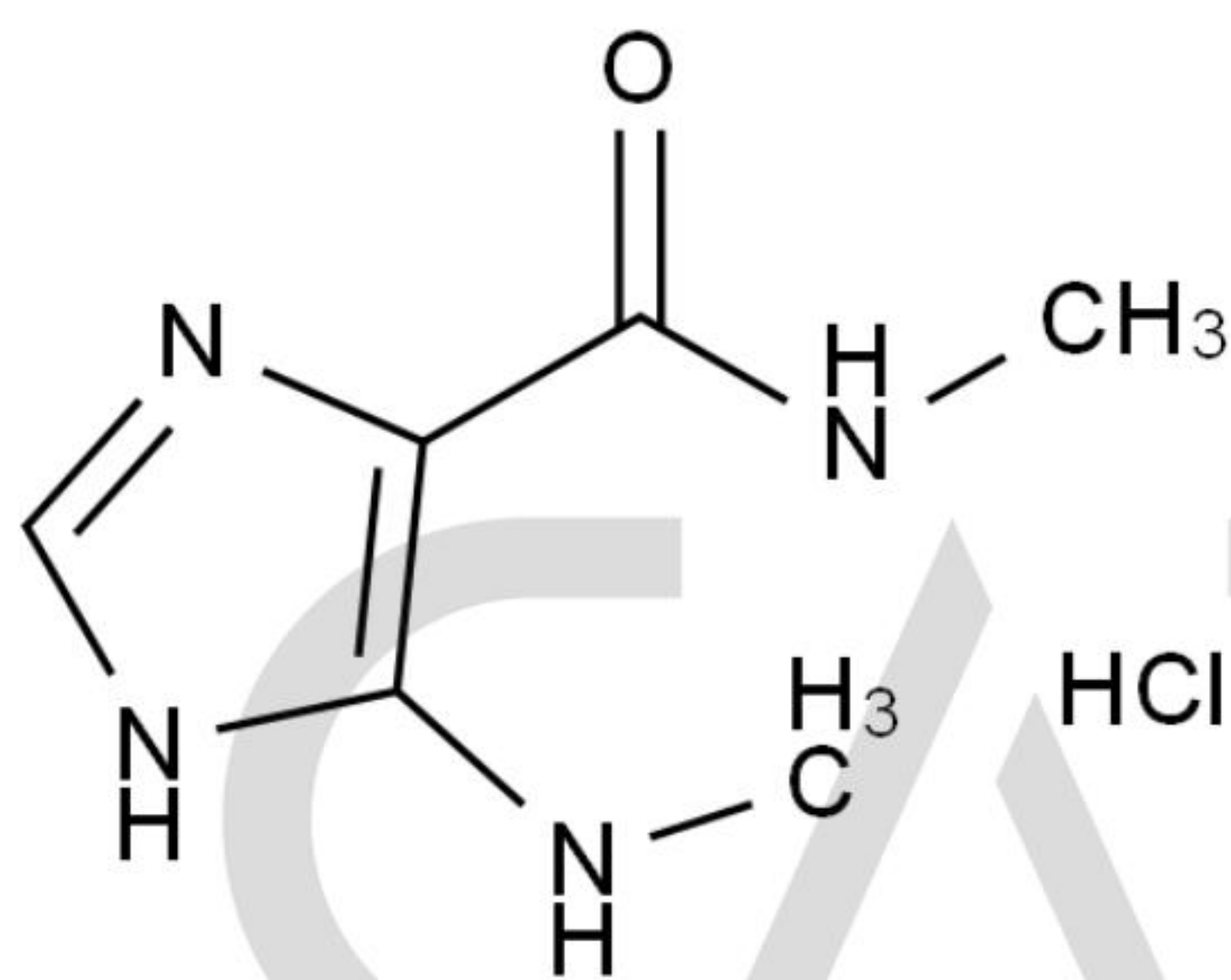


Certificate of Analysis

Reference Material & Standard

Product Name:	Aminophylline EP Impurity D	Catalogue Number:	C4X-18554
Synonyms:	N/A	Lot Number:	0528-RC-0023
CAS Number:	116131-08-9	Expiry Date:	Mar 16, 2024
Molecular Formula:	C ₆ H ₁₀ N ₄ O HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	154.17 36.46	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Green Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.62%
Water Content	Karl Fischer	8.6%
Assay		91.1%

Comment:

1. Chloride Content: 17.6%
2. The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Water Content}) * \text{Purity HPLC (\%)} / 100\%$$

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

Signature:

Prepared by:

Hin Lam

Reviewed by:

Debia

Approved by General Manager:

David

Date: May 28, 2021

Date: May 31, 2021

Date: May 31, 2021



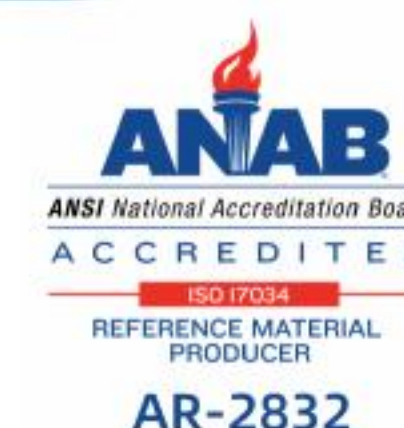
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Page 1 of 5



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