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CERTIFICATE OF ANALYSIS

Analysis Date: Nov 2024

Re-test Date: Oct 2027

Product Name: Caffeine EP Impurity F

Identification:

Chemical Name: 1,7-Dimethyl-3,7-dihydro-1H-purine-2,6-dione (as per EP)

Synonyms : Caffeine USP Related Compound
F ; Paraxanthine

CAS Number : 611-59-6

CAT Number : CP-C47006

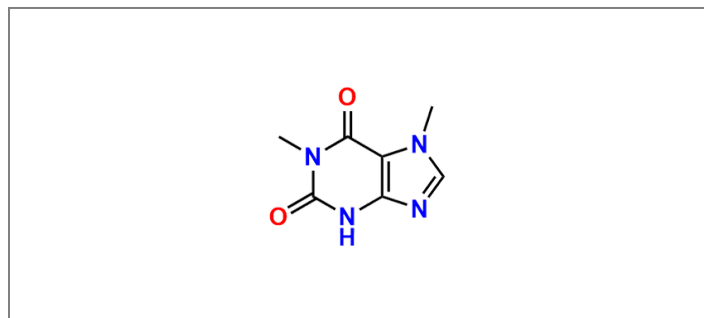
Molecular Formula : C₇H₈N₄O₂

Molecular Weight : 180.17

Batch Number : CP-CAF-F-1223

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



Analytical Information:

Sr. No.	Test	Result
1)	Description	White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	Mass Spectrometry	Confirm to structure
4)	Purity By HPLC	98.78%
5)	¹ H NMR	Confirm to structure
6)	FT-IR	Confirm to structure
7)	Weight loss by TGA	0.077%
8)	Potency	98.70%



Prepared and Reviewed By

Mr. Shubham Bondre
(Quality Control)

Approved By

Mr. Abhijit Kale
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.