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CERTIFICATE OF ANALYSIS

Analysis Date: Nov 2024

Re-test Date: Oct 2027

Product Name: Caffeine EP Impurity C

Identification:

Chemical Name: 1,3,9-Trimethyl-3,9-dihydro-1H-purine-2,6-dione (as per EP)

Synonyms : Isocaffeine (EP) ; Caffeine USP
Related Compound C

CAS Number : 519-32-4

CAT Number : CP-C47003

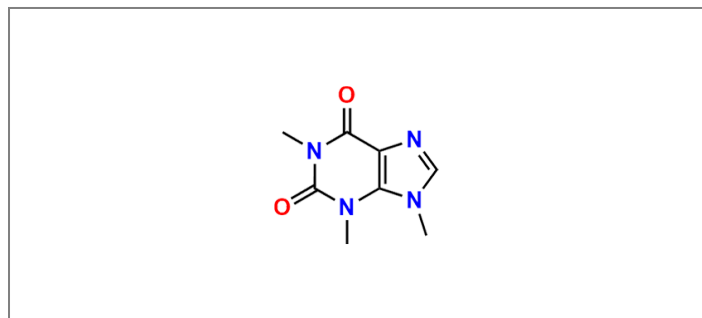
Molecular Formula : C₈H₁₀N₄O₂

Molecular Weight : 194.18

Batch Number : CP-CAF-C-1124

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	Off White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to Structure
4)	Purity by HPLC	99.42%
5)	H1NMR	Confirm to Structure
6)	13CNMR	Confirm to Structure
7)	Weight loss by TGA	0.081%
8)	Potency by TGA	99.33%



Prepared and Reviewed By

Ms Priyanka Salunkhe
(Manager QC Analytical)

Approved By

Ms Rohini Gagare
(QA Head)

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