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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

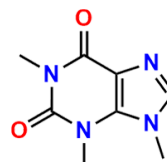
Molecular Formula : C<sub>8</sub>H<sub>10</sub>N<sub>4</sub>O<sub>2</sub>

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)	<sup>1</sup> HNMR	Confirm to Structure
6)	Weight loss by TGA	0.081%
7)	Potency by TGA	99.33%



**Prepared and Reviewed By**



Ms Priyanka Salunkhe  
(Quality Control)

**Approved By**



Ms Rohini Gagare  
(Quality Assurance)

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