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CERTIFICATE OF ANALYSIS

Analysis Date: Aug 2025

Re-test Date: Jul 2028

Product Name: Dimenhydrinate EP Impurity E

Identification:

Chemical Name: 8-Chloro-1,3,7-trimethyl-3,7-dihydro-1H-purine-2,6-dione

Synonyms : 8-chlorocaffeine (EP) ;
Dimenhydrinate USP Related
Compound E

CAS Number : 4921-49-7

CAT Number : CP-D52005

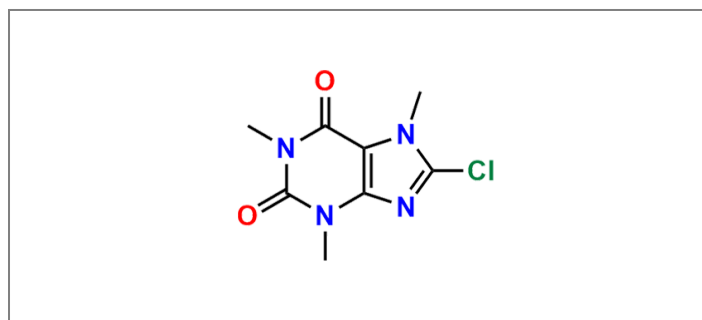
Molecular Formula : C₈H₉ClN₄O₂

Molecular Weight : 228.64

Batch Number : CP-34-68

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	99.92%
5)	¹ HNMR	Confirm to Structure
6)	Weight loss by TGA	-
7)	Potency	>92%



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.