CERTIFICATE OF ANALYSIS

(Certificate No. KMC041005-03)

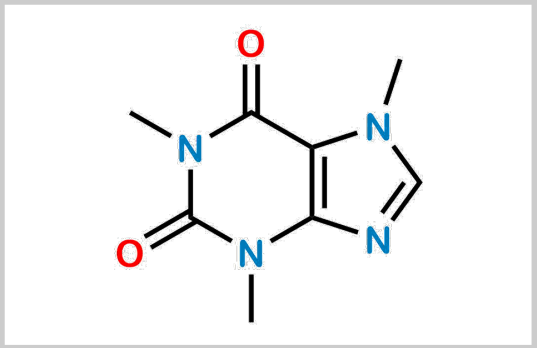
Release Date: 26/08/2026 **Re-test Date:** 25/08/2029

Caffeine(Anhydrous) IPRS

Identification

Chemical Name :
1,3,7-Trimethyl-3,7-dihydro-1H-purine-2,6-dione (as per EP) ; 1H-Purine-2,6-dione, 3,7-dihydro-1,3,7-trimethyl- (as per USP)

Alt. Name	: Theophylline EP Impurity A ; Pentoxifylline EP Impurity F
CAT No.	: KMC041005
CAS No.	: 58-08-2
Molecular Formula	: C8H10N4O2
Molecular Weight	: 194.2



Analytical Information

Batch No.	: C041005-136-149	**Solubility**	: Acetonitrile
Description	: White Solid	**Mass**	: Confirm
HPLC Purity	: 99.75 %	**IR**	: Confirm
Weight Loss By TGA	: 0.29 %	**1H NMR**	: Confirm
% Potency	: 99.46 %	**13C NMR**	: Confirm

Additional Information

Long Term Storage : Store at 2-8 deg. C for long term storage

Shipping Condition : Product is stable to be Shipped at Room Temperature

% Potency = [100 - 0.29(Weight Loss By TGA)] x [99.75(HPLC Purity)]/100 = 99.46 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		26/08/2026
Reviewed & Approved By	Quality Control	Jatin Patel		26/08/2026

Attachments : COA, HPLC, MASS, 1HNMR, 13CNMR, IR and TGA