CERTIFICATE OF ANALYSIS

(Certificate No. KMF101020-01)

Release Date: 12/01/2026 **Re-test Date:** 11/01/2029

MTHFRC-5

Identification

Chemical Name :
(4-(((2-Amino-4-oxo-1,4-dihydropteridin-6-yl)methyl)amino)benzoyl)-L-glutamic acid

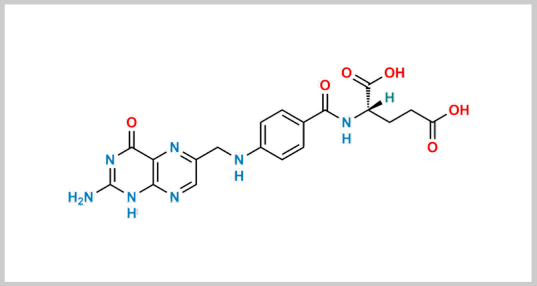
Alt. Name : Folic Acid (USP)

CAT No. : KMF101020

CAS No. : 59-30-3

Molecular Formula : C19H19N7O6

Molecular Weight : 441.4



Analytical Information

Batch No. : F101020-114-093

Description : Yellow Solid

HPLC Purity : 97.25 %

Weight Loss By TGA : 3.27 %

% Potency : 94.07 %

Solubility : Refer Additional information

Mass : Confirm

IR : Confirm

1H 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 - 3.27(Weight Loss By TGA)] x [97.25(HPLC Purity)]/100 = 94.07 %
Solubility : 0.05M Trisodium citrate dihydrate in water

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		12/01/2026
Reviewed & Approved By	Quality Control	Jatin Patel		12/01/2026

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