

CERTIFICATE OF ANALYSIS

(Certificate No. KMF006006-01)

Release Date: 08/04/2025

Re-test Date: 07/04/2028

Folic acid Impurity A

Identification

Chemical Name :

(2S)-2-(4-Aminobenzamido)pentanedioic acid (as per EP)

Alt. Name

: N-(4-aminobenzoyl)-L-glutamic acid
(EP) ; 4-Aminobenzoylglutamic Acid
(USP)

CAT No.

: KMF006006

CAS No.

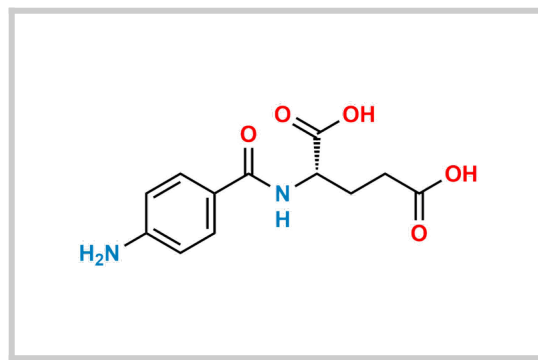
: 4271-30-1

Molecular Formula

: C₁₂H₁₄N₂O₅

Molecular Weight

: 266.3



Analytical Information

Batch No.

: FOL-EP-A-030-064

Solubility

: Water

Description

: Brown Solid

Mass

: Confirm

HPLC Purity

: 82.78 %

IR

: Confirm

Weight Loss By TGA

: 0.75 %

¹H NMR

: Confirm

% Potency

: 82.16 %

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 - 0.75(Weight Loss By TGA)] x [82.78(HPLC Purity)]/100 = 82.16 %

-Re-tested on 08.04.2025

Recommendation

: Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		10/04/2025
Reviewed & Approved By	Quality Control	Jatin Patel		10/04/2025

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