

# CERTIFICATE OF ANALYSIS

(Certificate No. KML068008-01)

Release Date: 01/04/2025

Re-test Date: 31/03/2028

## Levofolinate EP Impurity F

### Identification

**Chemical Name :**

(2S)-2-[4-[(2-amino-4-oxo-1,4,7,8-tetrahydropteridin-6-yl)methyl](formyl)amino]benzamido]pentanedioic acid (as per EP)

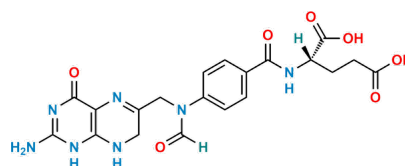
**Alt. Name** : 10-formyldihydrofolic acid

**CAT No.** : KML068008

**CAS No.** : 28459-40-7

**Molecular Formula** : C<sub>20</sub>H<sub>21</sub>N<sub>7</sub>O<sub>7</sub>

**Molecular Weight** : 471.4



### Analytical Information

**Batch No.** : L068008-091-304

**Description** : Light Yellow Solid

**HPLC Purity** : 96.50 %

**Weight Loss By TGA** : 4.59 %

**% Potency** : 92.07 %

**Solubility** : ACN : Water (1:1)

**Mass** : Confirm

**IR** : Confirm

**<sup>1</sup>H 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 - 4.59(Weight Loss By TGA)] x [96.50(HPLC Purity)]/100 = 92.07 %

**Recommendation** : Released

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

**Attachments** : COA, HPLC, MASS, <sup>1</sup>HNMR, IR and TGA