



Certificate of Analysis

Folic Acid USP

Catalog Number: FA1001
Lot Number: 0503902
CAS Number: 59-30-3
Synonym(s): PteGlu, Pteroyl-L-glutamic acid, Vitamin M
Molecular Formula: C₁₉H₁₉N₇O₆
Molecular Weight: 441.40
Storage: 15°C – 30°C, Protect from light
Date of Manufacture: August 14, 2018
Retest Date: August 13, 2021

Test	Specification	Result
Appearance	Orange yellowish crystalline powder	Conforms
Assay (Dry Basis) ¹	97.00% - 102.00%	98.60%
Identification (A ₂₅₆ /A ₃₆₅) ¹	2.80 – 3.00	2.82
Moisture (LOD) ¹	≤ 8.50%	7.60%
Solubility	50mg/mL in 1M NaOH	Clear, orange solution
Residue on Ignition ¹	≤ 0.30%	0.10%
Heavy Metal	≤ 10ppm	< 10ppm
Arsenic	≤ 1.0ppm	< 1.0ppm
Cadmium	≤ 1.0ppm	< 1.0ppm
Lead	≤ 3.0ppm	< 3.0ppm
Mercury	≤ 0.1 ppm	< 0.1ppm
Chromatographic Impurities ¹	≤ 2.00%	< 2.00%
Residual Solvents ¹	To meet requirements	Conforms
Total plate count	≤ 1,000cfu/g	< 1,000cfu/g
Yeast & mold	≤ 100cfu/g	< 100cfu/g
Coliforms	Negative	Negative
<i>E. coli</i>	Negative	Negative
<i>S. aureus</i>	Negative	Negative
<i>Salmonella</i>	Negative	Negative
This batch meets the specifications for USP40		

Approved by:

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Date: May 7, 2019