

ACURA LABS PVT LTD.

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CERTIFICATE OF ANALYSIS

Product name	: FOLIC ACID- EP		
Batch No	: FA-0070719	Mfg.Licence No.	: 39/NG/AP/2006/B/R
Molecular Formula	: $C_{19}H_{19}N_7O_6$	Molecular Weight	: 441.4
Mfg. Date	: JUL-2019	Expiry date	: JUN-2023
CAS No.	: 59-30-3	Quantity	: 30.0 Kgs

S.No	Test	Specifications	Result
01.	Appearance	Yellowish or orange, crystalline powder;	Yellowish crystalline powder.
02.	Solubility	Practically insoluble in water and in most organic solvents. It dissolves in dilute acids and in alkaline solutions.	Complies
03.	Identification :		
	a) By Specific optical rotation(On anhydrous basis)	+ 18° to +22°	+20.5°
	b) By HPLC	The principle peak in the chromatogram obtained with the solution is similar in retention time to the principle peak in the chromatogram obtained with reference solution(a) in Assay.	Complies
04.	Related substances :		
	a. Impurity-A	Not More Than 0.5%	0.18%
	b. Impurity-D (Pteric acid)	Not More Than 0.6%	0.15%
	c. Any other impurity	Not More Than 0.5%	0.25%
	d. Total of other impurities	Not More Than 1.0%	0.67%
05.	Water	5.0% to 8.5%	7.5%
06.	Sulphated ash	Not more than 0.2%	0.07%
07.	Particle size	100% pass through 200 mesh	Complies
08.	Bulk density	0.15 to 0.25 g/mL	0.24 g/mL
09.	Assay by HPLC (On anhydrous basis)	Not Less Than 96.0% to Not more than 102.0% (on anhydrous substance)	97.9%

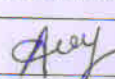
Remarks : The product conforms to EP specifications.

Storage : Store protected from light.

Chemical names of impurities:

Impurity-A : N -(4-aminobenzoyl)-L-glutamic acid.

Impurity-D : Pteric acid

PREPARED BY	CHECKED BY	APPROVED BY
 13/07/2019	 13.07.2019	 13/07/2019

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