



Niutang Folic Acid: USP/NF Grade Powder

FORMULA: C₁₉H₁₉N₇O₆

MOLECULAR WEIGHT: 441.40

FLASHPOINT: Not Applicable

DESCRIPTION:

Folic acid is N- [4- [[[(2-Amino-1,4-dihydro-4-oxo-6- pteridiny)] methyl] amino] benzoyl] - L-glutamic Acid. It occurs as yellow or yellow-orange crystals or crystalline powder. About 1.6 mg dissolves in 1 ml of water. It is insoluble in acetone, alcohol, chloroform, and ether, but dissolves in solutions of alkali hydroxides and carbonates. The pH of a suspension of 1 g in 10 ml of water is between 4.0 and 4.8.

SUGGESTED USES/APPLICATIONS

Nutritional Supplements
Vitamins
Energy Drinks
Tablets
Liquid Gel Capsules

PACKAGING:

20 or 25 kg cardboard drums with two PE liner bags or as otherwise agreed upon.

SHIPPING & HANDLING:

Recommended to be stored in an odor-free environment. Low humidity conditions are recommended to minimize caking/degradation potentials.

STORAGE:

Folic acid should be stored in a cool, dry ambient environment, escape from light.

SHELF LIFE:

The shelf life of this material is 3 years from the date of manufacture if stored in ambient room temperature conditions, escape from light. Product should be reevaluated if it exceeds expiration date.

STANDARDS:

Test Item	Specification	Test Method or Reference
Identification	A265/A365, between 2.80 and 3.00	Current USP Current USP
Water	≤ 8.5%	Current USP
Assay (On Dry Basis)	97.0% to 102%	Current USP
Residue on Ignition	≤ 0.3%	Current USP
Chromatographic purity	≤ 2.0%	Current USP
Organic Volatile Impurities	Meets the Requirements	Current USP
Residual Solvents	Meets the Requirements	GB/T
Total Aerobic Plate Count	≤ 250 CFU /g	GB/T
Yeast and Mold Count	≤ 100 CFU/g	GB/T
Coliforms	≤ 10 CFU/g	GB/T

CFU = Colony Forming Units

USP = United States Pharmacopeia

GB/T = National Standard Method



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LOT CODING:

Example Lot: 070475

07 = Year Manufactured: 2007

04 = Month Manufacture: April

75 = Batch manufactured: #75

Note: Lot number preceded by "20" indicates it was produced at the Niutang Nantong Facility, (ex. 20070475). Otherwise it was produced at the Niutang Changzhou facility.

CAS No. 59-30-3