Niutang Folic Acid: Feed Grade Powder

FORMULA: $C_{19}H_{19}N_7O_6$ **MOLECULAR WEIGHT:** 441.40

FLASHPOINT: Not Applicable

DESCRIPTION:
Folic acid is N- [4- [[(2-Amino-1,4-dihydro-4-oxo-6- pteridinyl) 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
Premixes
Animal Nutrition
Animal Feedstock

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
Appearance	Yellow or Orange Crystalline Powder, Practically Odorless	Current BP
Ultraviolet Absorption	Meets the Requirements	Current BP
Thin-Layer Chromatography	Meets the Requirements	Current BP
Water	5.0% to 8.5%	Current BP
Assay (On Dry Basis)	96.0% to 102%	Current BP
Residue on Ignition	≤ 0.2%	Current BP
Specific Rotation	~ +20°	Current BP
Free Amines	≤ 0.166	Current BP
Solubility	Meets the Requirements	Current BP

BP = British Pharmacopeia

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