

# Niutang Folic Acid: Feed Grade Granular

**FORMULA:** C<sub>19</sub>H<sub>19</sub>N<sub>7</sub>O<sub>6</sub>

**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**

- 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.