



Biofolate®

(L-5-Methyltetrahydrofolate Ca)

Description

Biofolate® (L-5-Methyltetrahydrofolate Ca, or L-5-MTHF Ca) could be the metabolically active form of folic acid. The “folic acid” found in food could be cleaved (digested) from protein carriers in order to be absorbed. This process may be inefficient in some individuals. Once absorbed, the folic acid could undergo several biochemical conversions in the body to become L-5-MTHF Ca. By supplementing with L5-MTHF Ca, one could be assured of getting the benefits of folic acid, regardless of the individual’s ability to absorb or convert it to the active form.*

Applications

Biofolate® may play an important role in DNA synthesis and repair. It could be especially beneficial for pregnant women to help support against Neural Tube defects. * Biofolate® may be used in nutraceutical, food and beverage products.

Storage & Packaging

Storage temperature not to exceed 77°F (25°C). Product will meet the purity criteria for two years when stored at or below 60°F (15°C) in the original container. Store in tight, light resistant containers, avoid exposure to direct sunlight, moisture, excessive heat. 100grams/tin, 500grams/tin, 1kg/tin

Advantages

- USP Grade
- Stable in room temperature
- Pure assay with white color
- 3rd party test report for every batch
- Low heavy metal and microorganism

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TEST ITEMS Active Ingredient	SPECIFICATION	METHOD	CHEMICAL CONTROL		
Assay (Anhydrous and solvent free)	95.0% - 102.0%	USP43	Platinum	NMT 10ppm	USP43
L-5-MTHF	95.0% - 102.0%	Calculation	Boron	NMT 50ppm	USP43
Calcium (Anhydrous and solvent free)	72.0% - 87.0%	USP43	Chloride	NMT 0.5%	USP43
Total Related Compounds	7.0% - 8.5%	USP43	Lead (Pb)	NMT 1.0ppm	USP43
4-Aminobenzoylglutamic Acid	NMT 2.5%	USP43	Arsenic (As)	NMT 1.0ppm	USP43
4a-Hydroxy-5-Methyltetrahydrofolic Acid	NMT 0.5%	USP43	Cadmium (Cd)	NMT 0.5ppm	USP43
(6R and 6S)-Mefox	NMT 1.0%	USP43	Mercury (Hg)	NMT 0.1ppm	USP43
Tetrahydrofolic Acid	NMT 1.0%	USP43	MICROBIOLOGICAL CONTROL		
7,8-Dihydrofolic Acid	NMT 0.5%	USP43	Total Plate Count	NMT 1,000cfu/g	USP43
Folic Acid	NMT 0.5%	USP43	Yeast & Mold	NMT 100 cfu/g	USP43
5,10 - Methylenetetrahydrofolic Acid	NMT 0.5%	USP43	Salmonella	Negative	USP43
5-Methyltetrahydroptericoic Acid	NMT 0.5%	USP43	E. Coli	Negative	USP43
Dimethyltetrahydrofolic Acid	NMT 0.15%	USP43	Staphylococcus Aureus	Negative	USP43
Enantiomeric Impurity (D-5-methyltetrahydrofolate)	NMT 1.0%	USP43	Pseudomonas aeruginosa	Negative	USP43
PHYSICAL CONTROL			Candida albicans	Negative	USP43
Appearance	White to light yellowish crystalline powder	USP43	Clostridia	Negative	USP43
Identification	The retention time of the principle peak should conform with standard	USP43			
Water Content	6% - 17.0%	USP43			
Particle Size	NLT 90% pass 80 mesh	USP43			
Bulk Density	NLT 0.2 g/ml	USP43			
Residue Solvents	Ethanol: NMT 5,000ppm 2-Propanol: NMT 5,000ppm	USP43			

Certificates

ISO9001, ISO22000, Kosher, and United States Patent

*These statements have not been evaluated by the Food & Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease.