

## L-5-Methyltetrahydrofolate Calcium USP Powder

### Product Characteristics

Appearance	Light yellow to white powder
Country of origin	China
Manufacturer	Shanghai Jinli Bio-Tech Co, Ltd

Profile	Method	Specification
Identification		
A. Infrared absorption	USP	Meets USP
B. Calcium	USP	Meets USP
C. HPLC	USP	Meets USP
Water	USP	6.0 – 17.0%
Calcium (anhydrous)	USP	7.0 – 8.5%
Assay	USP	95.0 – 102.0%
Chloride	USP	≤ 0.5%
Elemental impurities		
Boron	USP	< 50 ppm
Platinum	USP	< 10 ppm
Arsenic	USP	< 1.5 ppm
Cadmium	USP	< 0.5 ppm
Lead	USP	< 1.0 ppm
Mercury	USP	< 1.5 ppm
Residual solvents	USP	Meets USP <467>
Ethanol	USP	≤ 0.5%
2-Propanol	USP	≤ 0.5%
Related compounds		
4-Aminobenzoylglutamic acid	USP	≤ 0.5%
4a-Hydroxy-5-methyltetrahydrofolic acid	USP	≤ 1.0%
6R-Mefox	USP	Not detected
6S-Mefox (6R+6S)	USP	≤ 1.0%
Tetrahydrofolic acid	USP	≤ 0.5%
7,8-Dihydrofolic acid	USP	≤ 0.5%
Folic acid	USP	≤ 0.5%
5,10-Methylenetetrahydrofolic acid	USP	≤ 0.5%
5-Methyltetrahydropteroic acid	USP	≤ 0.5%
Dimethyltetrahydrofolic acid	USP	≤ 0.15%
Total impurities	USP	≤ 2.5%
Enantiomeric purity		
D-5-methyltetrahydrofolate	USP	< 1.0%

Total aerobic plate count	USP	$\leq 1000$ CFU/g
Yeast and mold	USP	$\leq 100$ CFU/g
Salmonella	USP	Negative
E. coli	USP	Negative

**Storage**

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Long term: Store at 2-8° C in tight containers, protected from light and moisture. Short term (30 days maximum): Store below 25° C in tight containers, protected from light and moisture.

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