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## Typical Product Specifications & Properties

# Calcium Folate, USP

CAS Number: : 1492-18-8

Specifications	Limits
Purity Test, 5-formyltetrahydropteroic acid	NMT 1.0%
Absorbance (420nm)	NMT 0.60
Purity Test 7,8-dihydrofolic acid	NMT 1.0%
Water Content (by Karl Fischer)	NMT 17.0%
Sieve analysis, particles < 100 um	NLT 80%
Sieve analysis, particles > 200 um	NMT 10%
Tapped Density	0.45 - 0.75 g/ml
Optical rotation, 2.5% in H <sub>2</sub> O	14.4-18.0°
Purity Test, 10-formylfolic acid	NMT 1.0%
Appearance of solution (2.5 aqueous solution)	Clear
Appearance	White to light yellow powder
Sum impurities	NMT 2.0%





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Specifications	Limits
Loose Density	0.20 - 0.50 g/ml
Total Aerobic Microbial Count	NMT 500 cfu/g
Heavy Metals	NMT 50ppm
Bacterial endotoxins (LAL test)	NMT 0.350EU/mg
IR spectrum	Comparable to reference spectrum
Purity Test, p-aminobenzoylglutamic acid	NMT 1.0%
Residual methanol	NMT 0.3%
Purity Test, folic acid	NMT 1.0%
Purity Test, Individual unidentified impurities	NMT 0.1%
Chlorides	NMT 0.5%
Purity Test, 10-formyltetrahydrofolic acid	NMT 1.0%
Total molds and yeast	NMT 100 cfu/g



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Specifications	Limits
Platinum	NMT 20ppm
Purity Test 5,10-diformyltetrahydrofolic acid	NMT 1.0%
pH (2.5% aqueous solution)	6.8-8.0
Color value (1% aqueous solution)	NMT 250 APHA

Specifications	Limits
Residual ethanol	NMT 0.5%
Assay, Calcium Folate (by HPLC)	97.0 - 102.0%
Assay, Calcium	7.54 - 8.14%
Residual acetone	NMT 0.5%
Chemical Structure	 1869 1869_calcium-folate-usp.png chemical structure



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