

QUALITY SPECIFICATION

Calcium

L-5-Methyltetrahydrofolate

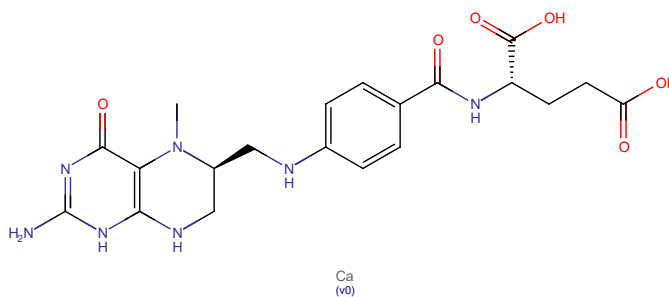
Catalog No.: NST-10-142

CAS No.: 151533-22-1

Molecular formula: C₂₀H₂₃CaN₇O₆

MW: 497.5

Shelf life: 2 years



No.	Parameter	Specification	Method
1.	Appearance	Fine powder	Visual
2.	Color	White	Visual
3.	Odor	Characteristic	Organoleptic
4.	Taste	Characteristic	Organoleptic
5.	Mesh size/sieve	NLT 90% pass 80 mesh	80 mesh
7.	Bulk density	NMT 0.2 g/ml	Density meter
8.	Water	6.0 % - 17.0 %	KF
9.	Identification	Complies with standards	TLC
10.	Assay Calcium L-5-Methyltetrahydrofolate (Anhydrous and solvent free)	95.0 % - 102.0 %	HPLC
11.	Assay L-5-MTHF	72.0 % - 87.0 %	HPLC
12.	Assay Calcium (Anhydrous and solvent free)	7.0 % - 8.5 %	Titration
13.	Pesticide residues	USP <561>	Third lab

14.	Ethanol	≤5000 ppm	GC
15.	2-Propanol	≤5000 ppm	GC
16.	Heavy Metals	≤10 ppm	ICP-MS
17.	Lead	≤2 ppm	ICP-MS
18.	Arsenic	≤1 ppm	ICP-MS
19.	Mercury	≤0.1 ppm	ICP-MS
20.	Cadmium	≤1 ppm	ICP-MS
21.	TPC	Not more than 10 ³ CFU/g	USP <2021>
22.	TYMC	Not more than 10 ² CFU/g	USP <2021>
23.	<i>Escherichia Coli</i>	Absent	USP <2022>
24.	<i>Salmonella</i>	Absent	USP <2022>
25.	<i>Staphylococcus aureus</i>	Absent	USP <2022>

Storage: store in a cool and dry place, keep away from strong light and heat

Stability: 24 months when properly stored