

QUALITY SPECIFICATION

Calcium

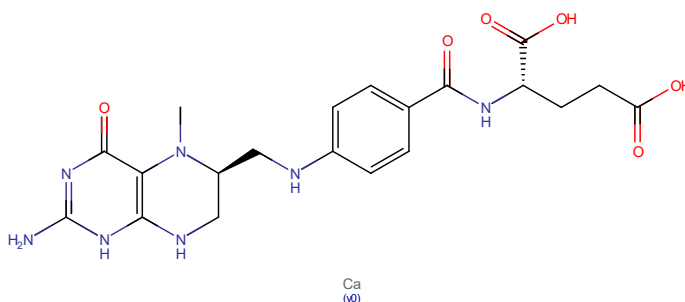
L-5-Methyltetrahydrofolate

Catalog No.: NST-10-142

CAS No.: 151533-22-1

Molecular formula: $C_{20}H_{23}CaN_7O_6$

MW: 497.5



No.	Parameter	Specification	Method
1.	Appearance	Fine powder	Visual
2.	Color	White	Visual
3.	Assay	95.0%-102.0%	HPLC
4.	Odor	Characteristic	Organoleptic
5.	Taste	Characteristic	Organoleptic
7.	Water	6.0%-17.0%	Karl Fischer titration
8.	Mesh size/sieve	NLT 90% pass 80 mesh	80 mesh
9.	Bulk density	NMT 0.2 g/ml	In house
10.	Ethanol	≤5000 ppm	GC
11.	2-Propanol	≤5000 ppm	GC
12.	Heavy Metals	≤10 ppm	ICP-MS
13.	Lead	≤2 ppm	ICP-MS
14.	Arsenic	≤1 ppm	ICP-MS
15.	Mercury	≤0.1 ppm	ICP-MS
16.	Cadmium	≤1 ppm	ICP-MS

17.	TPC	Not more than 10 ³ CFU/g	ISO 6579:2002
18.	TYMC	Not more than 10 ² CFU/g	ISO 6579:2002
19.	<i>Escherichia Coli</i>	Absent	ISO 6579:2002
20.	<i>Salmonella</i>	Absent	ISO 6579:2002
21.	<i>Staphylococcus aureus</i>	Absent	ISO 6579:2002

Storage: long term storage - airtight container +2 ... +8 °C

Stability: 24 months when properly stored