

QUALITY SPECIFICATION

Epicatechin

Catalog No.: NST-10-2

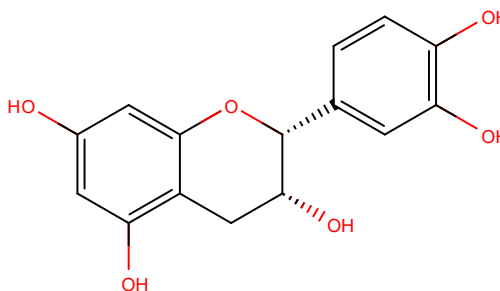
CAS No.: 490-46-0

Molecular formula: C₁₅H₁₄O₆

MW: 290.27

Source: *Camellia sinensis*

Part used: leaf



No.	Parameter	Specification	Method
1.	Appearance	Fine powder	Visual
2.	Color	Off-white	Visual
3.	Identification	Conforms	TLC
4.	Assay	≥ 98.0 %	HPLC
5.	Odor	Characteristic	Organoleptic
6.	Taste	Characteristic	Organoleptic
7.	Sulfated ash	≤ 5.0 %	In house
8.	Loss on drying	≤ 5.0 %	In house
9.	Mesh size/sieve	NLT 95% pass 80 mesh	80 mesh
10.	Bulk density	NMT 0.8 g/ml	In house
11.	Heavy Metals	≤10 ppm	ICP-MS
12.	Lead	≤2 ppm	ICP-MS
13.	Arsenic	≤1 ppm	ICP-MS
14.	Mercury	≤0.1 ppm	ICP-MS
15.	Cadmium	≤1 ppm	ICP-MS

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

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

Stability: 24 months when properly stored