

QUALITY SPECIFICATION

Ellagic acid

Catalog No.: NST-10-60

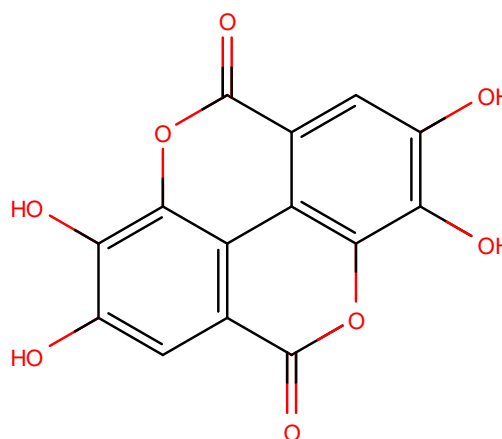
CAS No.: 476-66-4

Molecular formula: C₁₄H₆O₈

MW: 302.20

Source: *Galla chinensis*

Shelf life: 24 months



No.	Parameter	Specification	Method
1.	Appearance	Fine powder	Visual
2.	Color	Brown	Visual
3.	Odor	Characteristic	Organoleptic
4.	Taste	Characteristic	Organoleptic
5.	Mesh size/sieve	≥95 % pass 80 mesh	80 mesh
6.	Bulk density	≤0.8 g/mL	USP <616>
7.	Loss on drying	≤5.0 %	USP <731>
8.	Residue on ignition	≤5.0 %	USP <281>
9.	Purity	≥98.0 %	HPLC
10.	Identification	Complies with standard	TLC
11.	Assay (on dried basis)	≥90.0 %	HPLC
12.	Pesticide residues	USP <561>	Third lab
13.	Solvent residues	USP <467>	GC
14.	Heavy Metals	≤10 ppm	ICP-MS

15.	Lead	≤ 2 ppm	ICP-MS
16.	Arsenic	≤ 1 ppm	ICP-MS
17.	Mercury	≤ 0.1 ppm	ICP-MS
18.	Cadmium	≤ 1 ppm	ICP-MS
19.	TPC	$<10^3$ CFU/g	USP <2021>
20.	TYMC	$<10^2$ CFU/g	USP <2021>
21.	<i>Escherichia Coli</i>	Absent	USP <2022>
22.	<i>Salmonella</i>	Absent	USP <2022>
23.	<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