

QUALITY SPECIFICATION

Quercetin

Catalog No.: NST-10-115

CAS No.: 117-39-5

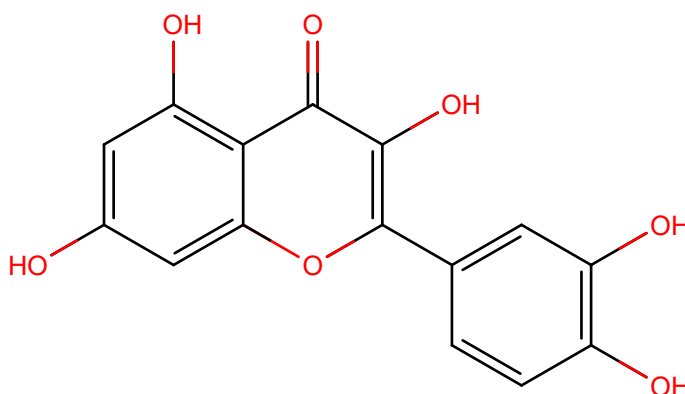
Molecular formula: C₁₅H₁₀O₇

Botanical name: *Sophora japonica* L

Part used: buds

MW: 302.23

Shelf life: 2 years



No.	Parameter	Specification	Method
1.	Appearance	Fine powder	Visual
2.	Color	Yellow	Visual
3.	Odor	Characteristic	Organoleptic
4.	Taste	Characteristic	Organoleptic
5.	Mesh size/sieve	NLT 95 % pass 80 mesh	80 mesh
6.	Bulk density	NMT 0.8 g/ml	USP <616>
7.	Water	≤ 5.0 %	Karl Fischer titration
8.	Residue on ignition	≤ 2.0 %	USP <281>
9.	Identification	Complies with standard	TLC
10.	Assay	≥ 95.0 %	HPLC
11.	Pesticide residues	USP <561>	Third lab
12.	Solvent residues	USP <467>	GC
13.	Heavy Metals	≤10 ppm	ICP-MS
14.	Lead	≤2 ppm	ICP-MS
15.	Arsenic	≤1 ppm	ICP-MS

16.	Mercury	≤0.1 ppm	ICP-MS
17.	Cadmium	≤1 ppm	ICP-MS
18.	TPC	Not more than 10 ³ CFU/g	USP <2021>
19.	TYMC	Not more than 10 ² CFU/g	USP <2021>
20.	<i>Escherichia Coli</i>	Absent	USP <2022>
21.	<i>Salmonella</i>	Absent	USP <2022>
22.	<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