

QUALITY SPECIFICATION

Rutin

Catalog No.: NST-10-117

CAS No.: 153-18-4

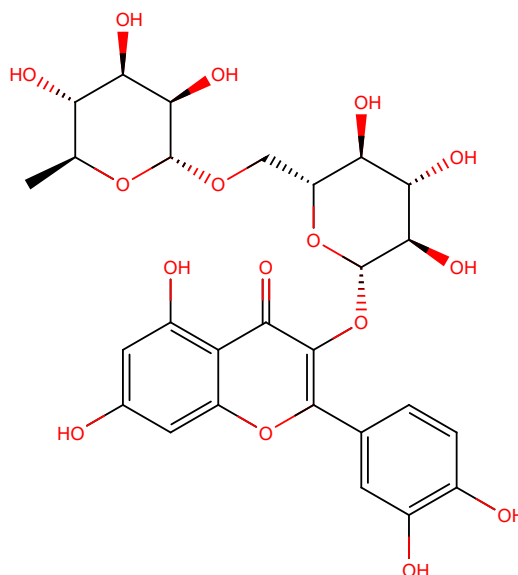
Molecular formula: $C_{27}H_{30}O_{16}$

MW: 610.52

Botanical name: *Sophora japonica* L.

Part used: buds

Shelf life: 2 years



No.	Parameter	Specification	Method
1.	Appearance	Fine powder	Visual
2.	Color	Light yellow	Visual
3.	Identification	Conforms	NF11
4.	Assay	95.0% - 101.5%	NF11
5.	Odor	Characteristic	Organoleptic
6.	Taste	Characteristic	Organoleptic
7.	Mesh size/sieve	≥95% pass 80 mesh	80 mesh
8.	Bulk density	≤0.8 g/ml	USP <616>
9.	Residue on ignition	≤0.5 %	NF11
10.	Loss on drying	5.5% - 9.0%	NF11
11.	Solvent residues	USP <467>	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	$<10^3$ CFU/g	USP <2021>
18.	TYMC	$<10^2$ CFU/g	USP <2021>
19.	<i>Escherichia Coli</i>	Absent	USP <2022>
20.	<i>Salmonella</i>	Absent	USP <2022>
21.	<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