

QUALITY SPECIFICATION

Rutin

Catalog No.: NST-10-117

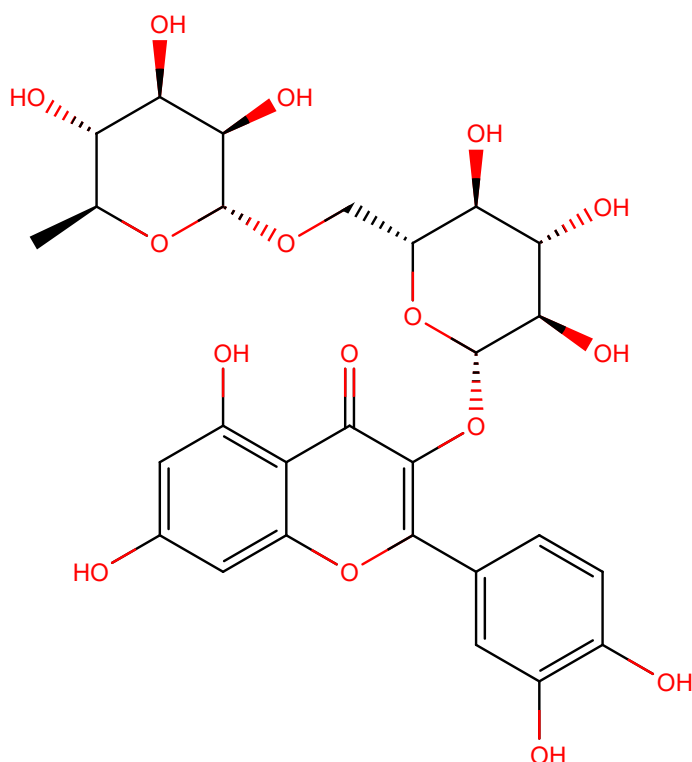
CAS No.: 153-18-4

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

MW: 610.52

Source: *Sophora japonica L.*

Part used: buds



No.	Parameter	Specification	Method
1.	Appearance	Fine powder	Visual
2.	Color	Yellow to greenish-yellow	Visual
3.	Identification	Conforms	IR
4.	Assay	95.0%-102.0%	UV
5.	pH	6.0-7.0	pH meter
6.	Chlorophyll	≤0.004%	UV
7.	Red-pigments	≤0.004%	UV
8.	Quercetin	≤5.0%	HPLC
9.	Sulfated ash	≤0.5 %	In house

10.	Loss on drying	5.5%-9.0%	In house
11.	Mesh size/sieve	NLT 95% pass 60 mesh	60 mesh
12.	Bulk density	≥ 0.4 g/ml	In house
13.	Tapped density	≥ 0.6 g/ml	In house
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	Not more than 10^3 CFU/g	ISO 6579:2002
20.	TYMC	Not more than 10^2 CFU/g	ISO 6579:2002
21.	<i>Escherichia Coli</i>	Absent	ISO 6579:2002
22.	<i>Salmonella</i>	Absent	ISO 6579:2002
23.	<i>Staphylococcus aureus</i>	Absent	ISO 6579:2002

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

Stability: 24 months when properly stored