

QUALITY SPECIFICATION

Quercetin Dihydrate

Catalog No.: NST-10-183

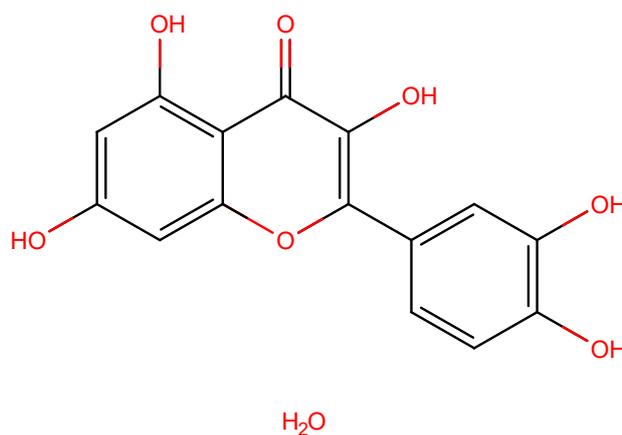
CAS No.: 6151-25-3

Molecular formula: C₁₅H₁₄O₉

MW: 338.27

Source: *Sophora japonica* L.

Part used: buds



No.	Parameter	Specification	Method
1.	Appearance	Fine powder	Visual
2.	Color	Yellow	Visual
3.	Purity	≥98.0%	HPLC
4.	Odor	Characteristic	Organoleptic
5.	Taste	Characteristic	Organoleptic
6.	Sulfated ash	≤5.0 %	In house
7.	Loss on drying	≤12.0 %	In house
8.	Benzo[a]pyrene	<10 ppb	Third lab
9.	Sum of PAHs	<50 ppb	HPLC
10.	Heavy Metals	≤10 ppm	ICP-MS
11.	Lead	≤2 ppm	ICP-MS
12.	Arsenic	≤1 ppm	ICP-MS
13.	Mercury	≤0.1 ppm	ICP-MS
14.	Cadmium	≤1 ppm	ICP-MS

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

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

Stability: 24 months when properly stored