

QUALITY SPECIFICATION

Quercetin Dihydrate

Catalog No.: NST-10-183

CAS No.: 6151-25-3

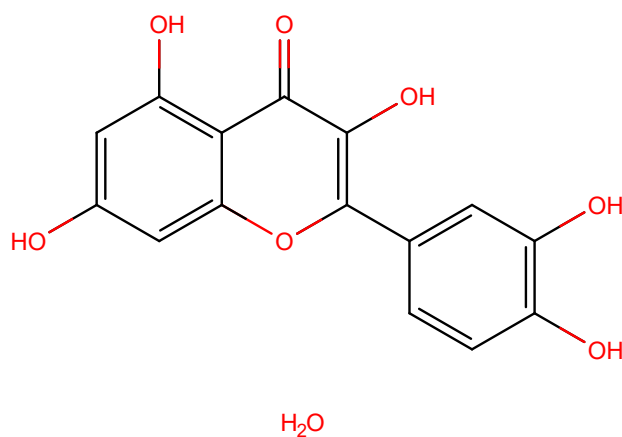
Molecular formula: C₁₅H₁₄O₉

MW: 338.27

Source: *Sophora japonica* L.

Part used: flower

Shelf life: 2 years



No.	Parameter	Specification	Method
1.	Appearance	Fine powder	Visual
2.	Color	Light yellow	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	Density meter
7.	Loss on drying	≤12.0 %	Ph. Eur. 2.8.17
8.	Sulfated ash	≤2.0 %	Ph. Eur. 2.4.14
9.	Identification	Complies with standard	TLC
10.	Assay	≥95.0 %	HPLC
11.	Pesticides residues	EC 396/2005	Ph. Eur.
12.	Benzo[a]pyrene	<10 ppb	HPLC
13.	Sum of PAHs	<50 ppb	HPLC
14.	Solvent Residues	≤5000 ppm	GC

15.	Heavy Metals	≤ 10 ppm	ICP-MS
16.	Lead	≤ 2 ppm	ICP-MS
17.	Arsenic	≤ 1 ppm	ICP-MS
18.	Mercury	≤ 0.1 ppm	ICP-MS
19.	Cadmium	≤ 1 ppm	ICP-MS
20.	TPC	$< 10^3$ CFU/g	AOAC, BAM
21.	TYMC	$< 10^2$ CFU/g	AOAC, BAM
22.	<i>Escherichia Coli</i>	Absent	AOAC, BAM
23.	<i>Salmonella</i>	Absent	AOAC, BAM
24.	<i>Staphylococcus aureus</i>	Absent	AOAC, BAM

Storage: store in a cool and dry place, keep away from strong light and heat

Stability: 24 months when properly stored