

QUALITY SPECIFICATION

Quercetin

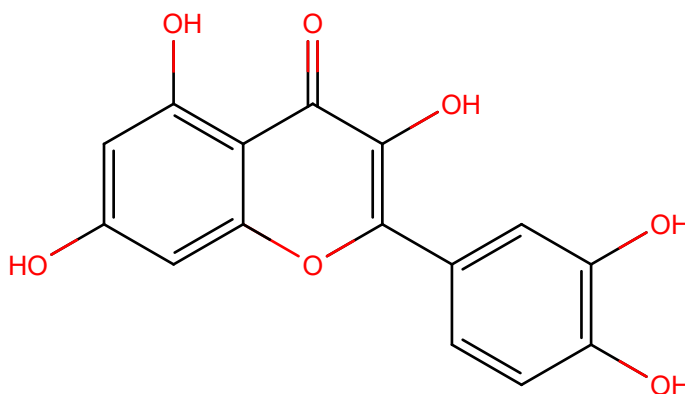
Catalog No.: NST-10-115

CAS No.: 117-39-5

Molecular formula: C₁₅H₁₀O₇

Part used: Buds

MW: 302.23



No.	Parameter	Specification	Method
1.	Appearance	Fine powder	Visual
2.	Color	Yellow	Visual
4.	Assay	≥ 95.0 %	HPLC
5.	Odor	Characteristic	Organoleptic
6.	Taste	Characteristic	Organoleptic
7.	Sulfated ash	≤ 2.0 %	In house
8.	Mesh size/sieve	NLT 95 % pass 80 mesh	80 mesh
9.	Bulk density	NMT 0.8 g/ml	In house
10.	Water	≤ 2.0 %	Karl Fischer titration
11.	Heavy Metals	≤10 ppm	ICP-MS
12.	Lead	≤2 ppm	ICP-MS
13.	Arsenic	≤1 ppm	ICP-MS
14.	Mercury	≤0.1 ppm	ICP-MS
15.	Cadmium	≤1 ppm	ICP-MS
16.	TPC	Not more than 10 ³ CFU/g	ISO 6579:2002
17.	TYMC	Not more than 10 ² CFU/g	ISO 6579:2002

18.	<i>Escherichia Coli</i>	Absent	ISO 6579:2002
19.	<i>Salmonella</i>	Absent	ISO 6579:2002
20.	<i>Staphylococcus aureus</i>	Absent	ISO 6579:2002

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

Stability: 24 months when properly stored