

QUALITY SPECIFICATION

Dihydromyricetin

Catalog No.: NST-10-6

CAS No.: 27200-12-0

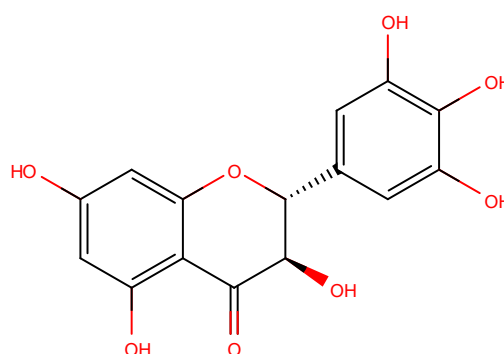
Molecular formula: C₁₅H₁₂O₈

MW: 320.25

Source: *Ampelopsis grossedentata* w.t. wang

Part used: leaves

Solvent used: water and ethanol



No.	Parameter	Specification	Method
1.	Appearance	Fine powder	Visual
2.	Color	White	Visual
3.	Identification	Conforms	TLC
4.	Assay	≥ 98.0 %	HPLC
5.	Odor	Characteristic	Organoleptic
6.	Taste	Characteristic	Organoleptic
7.	Residue on ignition	≤5.0 %	USP <281>
8.	Water content	≤10.0 %	KF
9.	Mesh size/sieve	NLT 95% pass 80 mesh	80 mesh
10.	Pesticide residues	USP <561>	Third lab
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	Not more than 10 ³ CFU/g	USP <2021>
18.	TYMC	Not more than 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