

QUALITY SPECIFICATION

Phlorizin

Catalog No.: NST-10-48

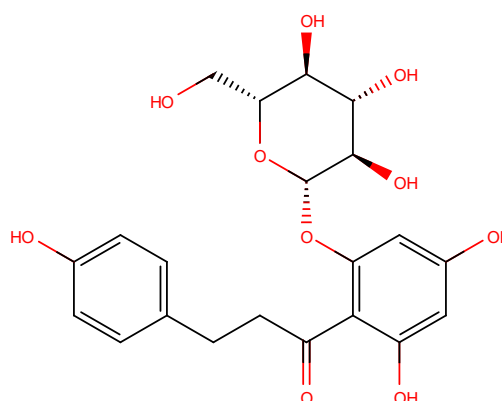
CAS No.: 60-81-1

Molecular formula: C₂₁H₂₄O₁₀

MW: 436.41

Solvent used: water and ethanol

Shelf life: 24 months



No.	Parameter	Specification	Method
1.	Appearance	Fine powder	Visual
2.	Color	Off-white	Visual
3.	Identification	Conforms	TLC
4.	Purity	≥98.0 %	HPLC
5.	Odor	Characteristic	Organoleptic
6.	Taste	Characteristic	Organoleptic
7.	Ashes	≤2.0 %	In house
8.	Loss on drying	≤5.0 %	In house
9.	Mesh size/sieve	≥95 % pass 80 mesh	80 mesh
10.	Bulk density	≤0.8 g/ml	USP <616>
11.	Solvent residues	USP <467>	GC
12.	Pesticide residues	USP <561>	Third lab
13.	Heavy Metals	≤10 ppm	ICP-MS
14.	Lead	≤2 ppm	ICP-MS
15.	Arsenic	≤1 ppm	ICP-MS

16.	Mercury	≤0.1 ppm	ICP-MS
17.	Cadmium	≤1 ppm	ICP-MS
18.	TPC	<10 ³ CFU/g	USP <2021>
19.	TYMC	<10 ² CFU/g	USP <2021>
20.	<i>Escherichia Coli</i>	Absent	USP <2022>
21.	<i>Salmonella</i>	Absent	USP <2022>
22.	<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