

QUALITY SPECIFICATION

Polydatin

Catalog No.: NST-10-35

CAS No.: 65914-17-2

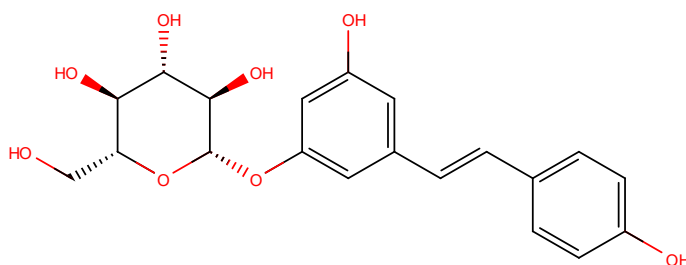
Molecular formula: C₂₀H₂₂O₈

MW: 390.38

Botanical name: *Polygonum cuspidatum* Sieb. et Zucc.

Part used: root

Shelf life: 2 years



No.	Parameter	Specification	Method
1.	Appearance	Fine powder	Visual
2.	Color	Off-white	Visual
3.	Odor	Characteristic	Organoleptic
4.	Taste	Characteristic	Organoleptic
5.	Mesh size/sieve	NLT 95% pass 80 mesh	80 mesh
6.	Bulk density	NMT 0.8 g/mL	USP <616>
7.	Loss on drying	≤ 5.0 %	USP <731>
8.	Residue on ignition	≤ 2.0 %	USP <281>
9.	Identification	Complies with standard	TLC
10.	Assay (on dried basis)	≥ 98.0 %	HPLC
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.	Total plate count	Not more than 10^3 CFU/g	USP <2021>
18.	TYMC	Not more than 10^2 CFU/g	USP <2021>
19.	<i>E. Coli</i>	Absent	USP <2022>
20.	<i>Salmonella</i>	Absent	USP <2022>
21.	<i>Staphylococcus</i>	Absent	USP <2022>

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

Stability: 24 months when properly stored