

QUALITY SPECIFICATION

Resveratrol

Catalog No.: NST-10-91

CAS No.: 501-36-0

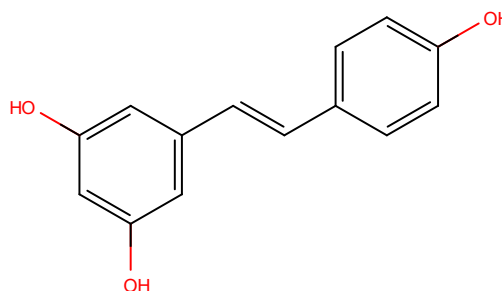
Molecular formula: C₁₄H₁₂O₃

MW: 228.24

Source: *Polygonum cuspidatum*

Part used: bark

Shelf life: 2 years



No.	Parameter	Specification	Method
1.	Appearance	Fine powder	Visual
2.	Color	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	Density meter
7.	Loss on drying	≤5.0 %	Ph. Eur. 2.8.17
8.	Sulfated ash	≤2.0 %	Ph. Eur. 2.4.14
9.	Identification	Complies with standard	TLC
10.	Assay (Resveratrol)	≥98.0%	HPLC
11.	Assay (Emodine)	<10 ppm	HPLC
12.	Pesticide residues	EC396/2005	Ph. Eur.
13.	Benzo[a]pyrene	<10 ppb	HPLC
14.	Sum of PAHs	<50 ppb	HPLC
15.	Solvent residues	≤5000 ppm	GC

16.	Heavy Metals	≤10 ppm	ICP-MS
17.	Lead	≤2 ppm	ICP-MS
18.	Arsenic	≤1 ppm	ICP-MS
19.	Mercury	≤0.1 ppm	ICP-MS
20.	Cadmium	≤1 ppm	ICP-MS
21.	TPC	Not more than 10 ³ CFU/g	USP <2021>
22.	TYMC	Not more than 10 ² CFU/g	USP <2021>
23.	<i>Escherichia Coli</i>	Absent	USP <2022>
24.	<i>Salmonella</i>	Absent	USP <2022>
25.	<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