

QUALITY SPECIFICATION

Taxifolin

Catalog No.: NST-10-44

CAS No.: 480-18-2

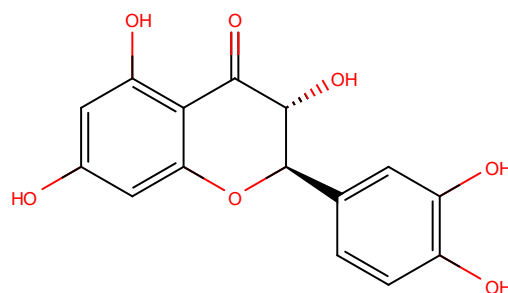
Molecular formula: C₁₅H₁₂O₇

MW: 304.25

Botanical name: *Engelhardia roxburghiana* Wall.

Part used: leaves

Shelf life: 2 years



No.	Parameter	Specification	Method
1.	Appearance	Fine powder	Visual
2.	Color	Light yellow	Visual
3.	Odor	Characteristic	Organoleptic
4.	Taste	Characteristic	Organoleptic
5.	Mesh size/sieve	≥95% pass 80 mesh	80 mesh
6.	Bulk density	≤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	≥90.0 %	HPLC
11.	Solvent residues	USP <467>	GC
10.	Heavy Metals	≤10 ppm	ICP-MS
11.	Lead	≤2 ppm	ICP-MS
12.	Arsenic	≤1 ppm	ICP-MS
13.	Mercury	≤0.1 ppm	ICP-MS

14.	Cadmium	≤ 1 ppm	ICP-MS
15.	TPC	$<10^3$ CFU/g	USP <2021>
16.	TYMC	$<10^2$ CFU/g	USP <2021>
17.	<i>Escherichia Coli</i>	Absent	USP <2022>
18.	<i>Salmonella</i>	Absent	USP <2022>
19.	<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