

# QUALITY SPECIFICATION

## Biochanin A

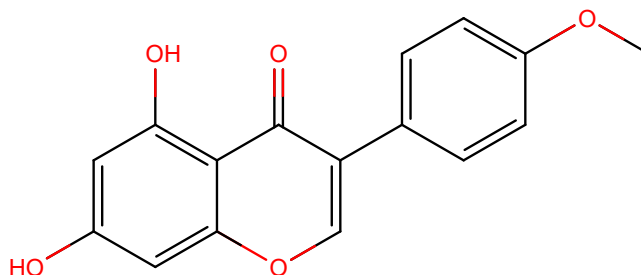
Catalog No.: NST-10-152

CAS No.: 491-80-5

Molecular formula: C<sub>16</sub>H<sub>12</sub>O<sub>5</sub>

MW: 284.26

Shelf life: 2 years



No.	Parameter	Specification	Method
1.	Appearance	Powder	Visual
2.	Color	Light yellow to apricot	Visual
3.	Purity	≥98.0%	HPLC
4.	Identification	Complies with standard	UV and NMR
5.	Loss on drying	≤5.0 %	USP <731>
6.	Residue on ignition	≤2.0 %	USP <281>
7.	Solvent residues	≤5000ppm	GC
8.	Heavy Metals	≤10 ppm	ICP-MS
9.	Lead	≤2 ppm	ICP-MS
10.	Arsenic	≤1 ppm	ICP-MS
11.	Mercury	≤0.1 ppm	ICP-MS
12.	Cadmium	≤1 ppm	ICP-MS
13.	TPC	Not more than 10 <sup>3</sup> CFU/g	USP <2021>
14.	TYMC	Not more than 10 <sup>2</sup> CFU/g	USP <2021>
15.	<i>Escherichia Coli</i>	Absent	USP <2022>
16.	<i>Salmonella</i>	Absent	USP <2022>

17.	<i>Staphylococcus aureus</i>	Absent	USP <2022>
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Storage: store in a cool and dry place, keep away from strong light and heat

Stability: 24 months when properly stored