

QUALITY SPECIFICATION

Baicalin

Catalog No.: NST-10-71

CAS No.: 21967-41-9

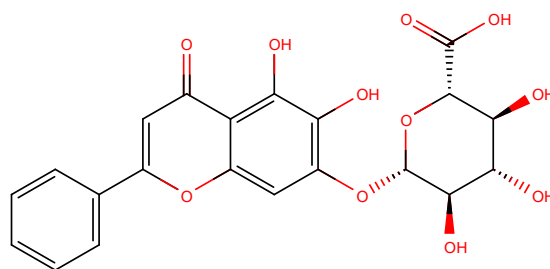
Molecular formula: C₂₁H₁₈O₁₁

MW: 446.36

Source: *Scutellaria baicalensis* Georgi.sp

Part used: root

Shelf life: 24 months



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	≤0.5 %	USP <281>
9.	Identification	Complies with standard	IR
10.	Purity (area normalization)	>95.0 %	HPLC
11.	Assay (external standard method)	>92.0 %	HPLC
12.	Pesticide residues	USP <561>	Third lab
13.	Solvent residues	USP <467>	GC

14.	Heavy Metals	≤10 ppm	ICP-MS
15.	Lead	≤2 ppm	ICP-MS
16.	Arsenic	≤1 ppm	ICP-MS
17.	Mercury	≤0.1 ppm	ICP-MS
18.	Cadmium	≤1 ppm	ICP-MS
19.	TPC	<10 ² CFU/g	USP <2021>
20.	TYMC	<10 CFU/g	USP <2021>
21.	<i>Escherichia Coli</i>	Absent	USP <2022>
22.	<i>Salmonella</i>	Absent	USP <2022>
23.	<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