

QUALITY SPECIFICATION

Gentiopicroside

Catalog No.: NST-10-165

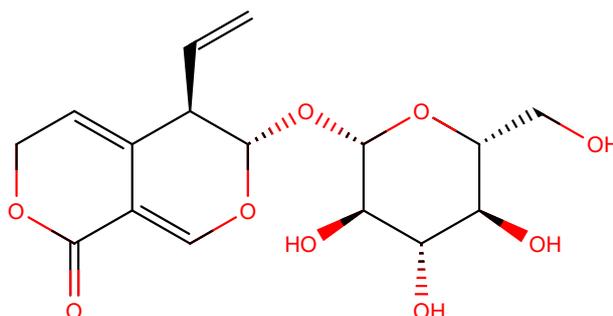
CAS No.: 20831-76-9

Molecular formula: C₁₆H₂₀O₉

MW: 356.32

Source: *Gentiana scabra* Bunge

Part used: root



No.	Parameter	Specification	Method
1.	Appearance	Fine powder	Visual
2.	Color	Pale beige to off-white	Visual
3.	Identification	Conforms	HPLC&NMR
4.	Purity	≥98.0%	HPLC
5.	Odor	Characteristic	Organoleptic
6.	Taste	Characteristic	Organoleptic
7.	Sulfated ash	≤2.0 %	In house
8.	Loss on drying	≤3.0 %	In house
9.	Mesh size/sieve	NLT 95% pass 80 mesh	80 mesh
10.	Bulk density	NMT 0.8 g/ml	In house
11.	Pesticide residues	USP<561>	Third lab
12.	Solvent residues	USP<467>	GC
13.	Heavy Metals	≤10 ppm	ICP-MS
14.	Lead	≤2 ppm	ICP-MS

15.	Arsenic	≤1 ppm	ICP-MS
16.	Mercury	≤0.1 ppm	ICP-MS
17.	Cadmium	≤1 ppm	ICP-MS
18.	TPC	Not more than 10 ³ CFU/g	ISO 6579:2002
19.	TYMC	Not more than 10 ² CFU/g	ISO 6579:2002
20.	<i>Escherichia Coli</i>	Absent	ISO 6579:2002
21.	<i>Salmonella</i>	Absent	ISO 6579:2002
22.	<i>Staphylococcus aureus</i>	Absent	ISO 6579:2002

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

Stability: 24 months when properly stored