

QUALITY SPECIFICATION

Bakuchiol

Catalog No.: NST-10-85

CAS No.: 10309-37-2

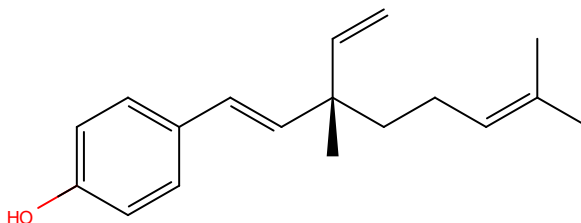
Molecular formula: C₁₈H₂₄O

MW: 256.40

Botanical name: *Psoralea Corylifolia* L.

Part used: seeds

Shelf life: 1 year



No.	Parameter	Specification	Method
1.	Appearance	Viscous liquid	Visual
2.	Color	Brownish red	Visual
3.	Odor	Characteristic	Organoleptic
4.	Taste	Characteristic	Organoleptic
5.	Identification	Conforms	TLC
6.	Water	≤ 1.0%	Karl Fischer titration
7.	Assay	≥ 98.0 %	HPLC
8.	Psoralen	≤100 ppm	HPLC
9.	Isopsoralen	≤100 ppm	HPLC
10.	Pesticide residues	USP <561>	Third lab
11.	Solvent residues	USP <467>	GC

12.	Heavy metals	≤ 10 ppm	ICP-MS
13.	Lead	≤ 2 ppm	ICP-MS
14.	Arsenic	≤ 1 ppm	ICP-MS
15.	Mercury	≤ 0.1 ppm	ICP-MS
16.	Cadmium	≤ 1 ppm	ICP-MS
17.	TPC	Not more than 10^3 CFU/g	USP <2021>
18.	TYMC	Not more than 10^2 CFU/g	USP <2021>
19.	<i>Escherichia Coli</i>	Absent	USP <2022>
20.	<i>Salmonella</i>	Absent	USP <2022>
21.	<i>Staphylococcus aureus</i>	Absent	USP <2022>

Storage: long term storage - airtight container -15 ...-25 °C

Recommendation: use it within three months after opening

Stability: 12 months when properly stored