NATURE SCIENCE TECHNOLOGIES

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CERTIFICATE OF ANALYSIS

Honokiol

LOT EX0214

Catalog No.: NST-10-111

CAS No.: 35354-74-6

Molecular formula: $C_{18}H_{18}O_2$

MW: 266.33

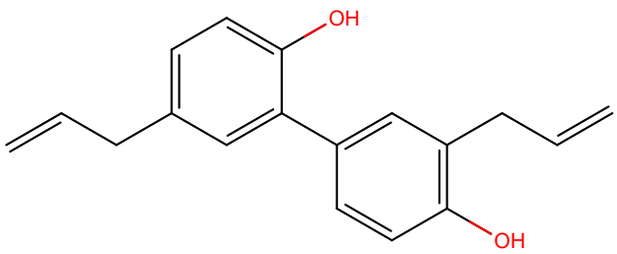
Source: *Magnolia officinalis Rehd.et Wils*

Part used: bark

Manufacturing date: 27.04.2026

Analysis date: 02.06.2026

Shelf life: 24 months



No.	Parameter	Specification	Results	Method
1.	Appearance	Fine powder	Conforms	Visual
2.	Color	Off-white	Conforms	Visual
3.	Odor	Characteristic	Conforms	Organoleptic
4.	Taste	Characteristic	Conforms	Organoleptic
5.	Mesh size/sieve	≥95 % pass 80 mesh	Conforms	80 mesh
6.	Bulk density	≤0.8 g/mL	Conforms	USP <616>
7.	Water content	≤1.0 %	0.10 %	KF
8.	Residue on ignition	≤1.0 %	0.04 %	USP <281>
9.	Identification	Complies with standard	Conforms	TLC
10.	Assay	≥98.0 %	98.37 %	HPLC
11.	Solvent residues	USP <467>	Conforms	GC

12.	Heavy Metals	≤10 ppm	Conforms	ICP-MS
13.	Lead	≤2 ppm	Conforms	ICP-MS
14.	Arsenic	≤1 ppm	Conforms	ICP-MS
15.	Mercury	≤0.1 ppm	Conforms	ICP-MS
16.	Cadmium	≤1 ppm	Conforms	ICP-MS
17.	TPC	$<10^3$ CFU/g	Conforms	USP <2021>
18.	TYMC	$<10^2$ CFU/g	Conforms	USP <2021>
19.	*Escherichia Coli*	Absent	Conforms	USP <2022>
20.	*Salmonella*	Absent	Conforms	USP <2022>
21.	*Staphylococcus aureus*	Absent	Conforms	USP <2022>

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

Stability: 24 months when properly stored

Issued by
Nature Science Technologies Ltd.

Signature:



Date: 02.06.2026

This Certificate of Analysis is based on the manufacturer's quality control documentation for the referenced batch.