NATURE SCIENCE TECHNOLOGIES

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CERTIFICATE OF ANALYSIS

Pterostilbene

LOT EX0145

Catalog No.: NST-10-80

CAS No.: 537-42-8

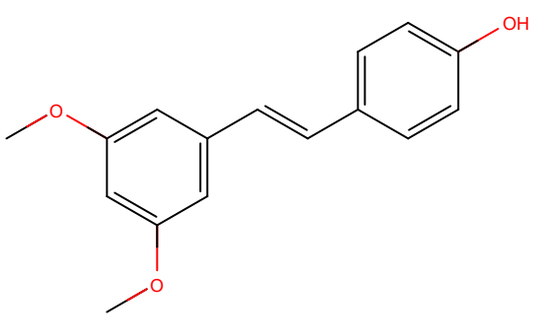
Molecular formula: $C_{16}H_{16}O_3$

MW: 256.30

Manufacturing date: 06.06.2025

Analysis date: 12.06.2025

Shelf life: 24 months



No.	Parameter	Specification	Results	Method
1.	Appearance	Fine powder	Conforms	Visual
2.	Color	White	Conforms	Visual
3.	Loss on drying	≤0.2 %	0.09 %	USP <731>
4.	Residue on ignition	≤0.5 %	0.03 %	USP <281>
5.	Assay	≥98.0 %	98.73 %	HPLC
6.	Heavy Metals	≤10 ppm	Conforms	ICP-MS
7.	Lead	≤2 ppm	Conforms	ICP-MS
8.	Arsenic	≤1 ppm	Conforms	ICP-MS
9.	Mercury	≤0.1 ppm	Conforms	ICP-MS
10.	Cadmium	≤1 ppm	Conforms	ICP-MS
11.	TPC	$<10^3$ CFU/g	Conforms	USP <2021>
12.	TYMC	$<10^2$ CFU/g	Conforms	USP <2021>
13.	*E. Coli*	Absent	Conforms	USP <2022>

14.	*Salmonella*	Absent	Conforms	USP <2022>
15.	*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: 12.06.2025

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