NATURE SCIENCE TECHNOLOGIES

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CERTIFICATE OF ANALYSIS

Nervonic acid

LOT EX0424

CAS No.: 506-37-6

Molecular formula: $C_{24}H_{46}O_2$

MW: 366.62

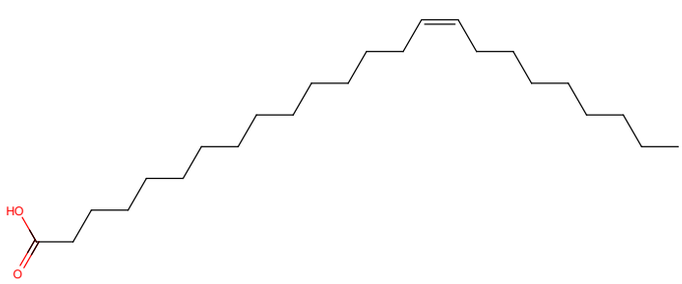
Source: *Acer truncatum Bunge*

Part used: seeds

Manufacturing date: 10.09.2025

Analysis date: 15.10.2025

Shelf life: 24 months



No.	Parameter	Specification	Results	Method
1.	Appearance	Powder	Conforms	Visual
2.	Color	White	Conforms	Visual
3.	Identification	Identical to R.S. sample	Conforms	HPTLC
4.	Odor	Characteristic	Conforms	Organoleptic
5.	Taste	Characteristic	Conforms	Organoleptic
6.	Mesh size/sieve	≥95 % pass 80 mesh	Conforms	80 mesh
7.	Bulk density	≤0.8 g/mL	Conforms	Density meter
8.	Loss on drying	≤5.0 %	2.87 %	Ph. Eur. 2.8.17
9.	Ashes	≤5.0 %	1.50 %	Ph. Eur. 2.4.16
10.	Purity	≥90.0 %	90.50 %	GC
11.	Residual pesticides	Meet EC 396/2005	Conforms	Third lab
12.	Residual solvents	Meet Ph. Eur. 2.4.24	Conforms	Ph. Eur. 2.4.24

13.	Ethylene oxide	Meet EC 396/2005	Conforms	HACCP
14.	BAP	Meet (EU) 2023/915	Conforms	HPLC
15.	PAH4	Meet (EU) 2023/915	Conforms	HPLC
16.	Heavy Metals	≤10 ppm	Conforms	ICP-MS
17.	Lead	≤2 ppm	Conforms	ICP-MS
18.	Arsenic	≤1 ppm	Conforms	ICP-MS
19.	Mercury	≤0.1 ppm	Conforms	ICP-MS
20.	Cadmium	≤1 ppm	Conforms	ICP-MS
21.	TPC	$<10^3$ CFU/g	Conforms	AOAC,BAM
22.	TYMC	$<10^2$ CFU/g	Conforms	AOAC,BAM
23.	*E. Coli*	Absent	Conforms	AOAC,BAM
24.	*Salmonella*	Absent	Conforms	AOAC,BAM
25.	*Staphylococcus*	Absent	Conforms	AOAC,BAM

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: 15.10.2025

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