NATURE SCIENCE TECHNOLOGIES

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CERTIFICATE OF ANALYSIS

Mangosteen Extract

LOT EX0458

Catalog No.: NST-8-10

CAS No.: 90045-25-3

Source: *Garcinia mangostana L.*

Part used: peel

Manufacturing date: 02.07.2025

Analysis date: 10.07.2025

Shelf life: 24 months

No.	Parameter	Specification	Results	Method
1.	Appearance	Fine powder	Conforms	Visual
2.	Color	Brown yellow	Conforms	Visual
3.	Identification	Conforms	Conforms	TLC
4.	Assay (Alpha-Mangostin)	≥10.0 %	10.27 %	HPLC
5.	Odor	Characteristic	Conforms	Organoleptic
6.	Taste	Characteristic	Conforms	Organoleptic
7.	Sulfated ash	≤5.0 %	4.87 %	Ph. Eur. 2.4.14
8.	Loss on drying	≤5.0 %	4.74 %	Ph. Eur. 2.8.17
9.	Mesh size/sieve	≥95 % pass 80 mesh	Conforms	80 mesh
10.	Bulk density	≤0.8 g/ml	Conforms	Density meter
11.	Solvent residues	Ph. Eur. 2.4.24	Conforms	Ph. Eur. 2.4.24
12.	Pesticide residues	EC 396/2005	Conforms	Third lab

13.	Ethylene oxide	EC 396/2005	Conforms	HACCP
14.	Benzo[a]pyrene	(EU) 2023/915	Conforms	HPLC
15.	PAHs	(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.	*Escherichia Coli*	Absent	Conforms	AOAC,BAM
24.	*Salmonella*	Absent	Conforms	AOAC,BAM
25.	*Staphylococcus aureus*	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: 10.07.2025

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