

BaseBulk

CERTIFICATE OF ANALYSIS

Product Name	Citrus aurantium Extract (6% Synephrine, HPLC)
Botanical Source	Citrus aurantium L.
Part Used	Fruit
Solvents Used	Water & Ethanol
Batch Number	C20240825
Manufactured	2024/08/25
Expiration	2027/08/24

Physical & Chemical Data

Analysis Item	Specification	Result
Color	Yellowish brown	Conform
Odor	Characteristic	Conform
Appearance	Fine powder	Conform
Identification (HPTLC)	Identical to R.S. sample	Identical
Synephrine (HPLC)	≥ 6.0%	6.12%
Sieve analysis	100% through 80 mesh	Conform
Loss on Drying	≤ 5.0%	2.75%
Total Ash	≤ 10.0%	5.63%
Bulk density	40–60 g/100 mL	55 g/100 mL
Tap density	60–90 g/100 mL	72 g/100 mL

Contaminants

Analysis Item	Specification	Result
Lead (Pb)	≤ 3.0 mg/kg	0.0526 mg/kg
Arsenic (As)	≤ 2.0 mg/kg	0.0375 mg/kg
Cadmium (Cd)	≤ 1.0 mg/kg	0.1286 mg/kg
Mercury (Hg)	≤ 0.1 mg/kg	< 0.01 mg/kg
Benzo(a)pyrene	≤ 10 µg/kg	Conform
PAH4	≤ 50 µg/kg	Conform

PAs (pyrrolizidine alkaloids)	≤ 400 µg/kg	Conform
ETO (ethylene oxide)	≤ 0.01 mg/kg	Conform
Solvents Residue	Meets Eur.Ph. <2.4.24>	Conform
Pesticides Residue	Meets Eur.Ph. <2.8.13>	Conform

Microbiological

Analysis Item	Specification	Result
Total Plate Count	≤ 10,000 CFU/g	70 CFU/g
Yeast & Mold	≤ 1,000 CFU/g	10 CFU/g
E. coli	Negative	Conform
Salmonella	Negative	Conform

General Status (EN 13751:2002 Non-Irradiation)	Limit ≤ 700; Result: 416
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Shelf Life	36 months in original packaging under the above conditions.
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