

BaseBulk

CERTIFICATE OF ANALYSIS

Product Name	Grape Seed Extract
Botanical name	Vitis vinifera L.
Part used	Seed
Assay	Proanthocyanidins 95% (UV)
Batch No.	20211216
Manufacture date	2022-12-16
Expiry date	2026-12-15
Country of origin	China

Physical & Chemical Characteristics

Analysis Item	Specification	Result
Appearance	Reddish-brown fine powder	Conforms
Identification	Positive	Conforms (TLC)
Proanthocyanidins (UV)	≥95%	96.8%
Loss on drying	≤5.0%	3.5%
Residue on ignition	≤5.0%	2.7%
Mesh size	NLT 95% pass 80 mesh	Conforms
Bulk density	≥0.30 g/ml	0.46 g/ml
Pesticides residue	Conform to (EC) No. 396/2005	Conforms
PAH4	≤50 ppb	Conforms
Benzo(α)pyrene	≤10 ppb	Conforms

Heavy Metals

Analysis Item	Specification	Result
Heavy metals (total)	≤10 ppm	<10 ppm
Lead (Pb)	≤3 ppm	<1 ppm
Arsenic (As)	≤1 ppm	<1 ppm
Cadmium (Cd)	≤1 ppm	<1 ppm
Mercury (Hg)	≤0.1 ppm	<0.1 ppm

Microbiological Tests

Analysis Item	Specification	Result
Total plate count	≤10,000 CFU/g	<3,000 CFU/g
Total yeast & mold	≤500 CFU/g	<300 CFU/g
Escherichia coli	Negative	Conforms
Salmonella	Negative	Conforms
Staphylococcus aureus	Negative	Conforms

General Status

Non-GMO
Allergen Free
Non-Irradiation

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