

Certificate of Analysis

Product Name: Pine Bark Extract 95%

Botanical Name: Pinus Pinaster

Lot # BPCPBE9552025

Best Before: May 2028

CAS No.: 133248-87-0

Origin: USA

Item	Specifications	Method	Results
Description	Reddish brown to brown fine powder	Organoleptic	Fine, reddish brown powder
Odor	Slightly woody odor	Organoleptic	woody
Identification	NLT 90 %	FT-IR	94.5%
Assay (as Proanthocyanidin, as-is)	NLT 95 %	UV-Vis	97.85%
Loss on drying	NMT 5%	Moisture balance	4.20%
Heavy Metals			
Arsenic	NMT 2.0 ppm	ICP-MS	<2 ppm
Cadmium	NMT 1.0 ppm	ICP-MS	<1 ppm
Lead	NMT 2.0 ppm	ICP-MS	<2 ppm
Mercury	NMT 0.5 ppm	ICP-MS	<0.1 ppm
Microbiological			
Total Plate Count	NMT 10,000 cfu/g	Petrifilm	1000 cfu/g
Yeast and Mold	NMT 1,000 cfu/g	Petrifilm	< 1000 cfu/g
Total coliforms	NMT 10 cfu/g	Petrifilm	<10 cfu/g
E. coli	Absent in 10 grams	Petrifilm	Absent in 10 g
Salmonella	Absent in 10 grams	CompactDry	Absent in 10 g

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