

## CERTIFICATE OF ANALYSIS

Product Name	Pine Bark Extract	Latin Name	<i>Pinus massoniana L.</i>
Batch No	PY-PI20201121	Used Part	Bark
Quantity	500KG	Analysis Date	Nov.24,2020
Mfg. Date	Nov.21,2020	Exp. Date	Nov.20,2022

No.	Item	Specification	Result
1.	Appearance	Red brown powder	Complies
2.	Odor & Taste	Characteristic	Complies
3.	Particle Size	100% pass 80 mesh sieve	Complies
4.	Extract Solvents	Water & Ethanol	Complies
5.	Assay (by UV)	Proanthocyanidins≥95%	95.87%
6.	Loss on Drying	≤5.0%	2.85%
7.	Ash	≤5.0%	2.17%
8.	Heavy Metals	≤10ppm	<10ppm
9.	Pb	≤3ppm	<3ppm
10.	As	≤1ppm	<1ppm
11.	Cd	≤1ppm	<1ppm
12.	Hg	≤0.1ppm	<0.1ppm
13.	Total Plate Count	≤1,000cfu/g	Complies
14.	Yeasts & Molds	≤100cfu/g	Complies
15.	E.Coli	Negative	Negative
16.	Salmonella	Negative	Negative

Store in tightly closed original container, protected from light, moisture, oxygen. Keep in a dry place at room temperature(25.0℃).

Non-GMO, TSE/BSE Free, 100% Natural

Package: Packed in paper-drums and two plastic-bags inside.

Conclusion: Conform with specification.

Analyst: xuli

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