

CERTIFICATE OF ANALYSIS

Product Name	Grape Seed Extract	Latin Name	<i>Vitis Vinifera L.</i>
Batch No	PY-GS20210103	Used Part	Seed
Quantity	500KG	Analysis Date	Jan.06,2021
Mfg. Date	Jan.03,2021	Exp. Date	Jan.02,2023

No.	Item	Specification	Result
1.	Appearance	Yellow brown to red brown fine powder	Complies
2.	Extract Solvent	Water & Ethanol	Complies
3.	Particle Size	98% pass 100 mesh	Complies
4.	Assay	Proanthocyanidins $\geq$ 95%	97.57%
5.	Loss on Drying	$\leq$ 5.0%	3.17%
6.	Ash	$\leq$ 5.0%	1.55%
7.	Bulk Density	0.30~0.50g/ml	0.424g/ml
8.	Tapped Density	0.45~0.65g/ml	0.612g/ml
9.	Heavy Metals	$\leq$ 10ppm	<10ppm
10.	Pb	$\leq$ 3ppm	<0.5ppm
11.	As	$\leq$ 1ppm	<0.3ppm
12.	Cd	$\leq$ 1ppm	<0.3ppm
13.	Hg	$\leq$ 0.1ppm	<0.1ppm
14.	Solvents Residue	Ethanol $\leq$ 1000mg/kg	Complies
15.	Total Plate Count	$\leq$ 10,000cfu/g	<1,000cfu/g
16.	Yeasts & Molds	$\leq$ 1,000cfu/g	<25cfu/g
17.	Coliform	$\leq$ 40MPN/100g	<40MPN/100g
18.	E.Coli	Negative	Negative
19.	Salmonella	Negative	Negative
20.	Staphylococcus Aureus	Negative	Negative
21.	Shigella	Negative	Negative
22.	Streptococcus Hemolyticus	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, Non-Irradiation, 100% Natural

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