



Hongda
Phytochemistry

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Headquarter: 1932 S Lynx Place, Ontario, CA 91761,US

Factory: No.2, Hongda Industrial District, Dacheng, Sanyuan, Xianyang, Shaanxi,China.

USA Warehouse: 1932 S. Lynx PL, Ontario, CA 91761,US

NJ Warehouse: 52 Butler Street, Unit A Elizabeth, NJ 07206

Certificate of Analysis

Grape Seed Extract Polyphenols 95% UV

Batch No.	PTZ-200630	Manufacturing Date	06/30/2020
Batch Quantity	2000KG	Expiration Date	06/29/2023
Botanical Source	<i>Vitis vinifera</i>	Country of Origin	China
Appearance	Reddish-Brown Fine Power	Part Used	Seed (100% Natural)
Solvents Used	Water&Ethanol	Carrier Used	None
Sterilization Method	Heat NON-IRR	Kosher Halal	No No

ITEMS	SPECIFICATION	RESULT	METHOD
Polyphenols	≥95%	98.19%	UV USP<851>
Monomers	Report Only	14.72%	HPLC USP<621>
Catechin	Report Only	8.15%	HPLC USP<621>
Epicatechin	Report Only	6.57%	HPLC USP<621>
Identification	Correspond to standard	Conform	TLC USP<201>

PHYSICAL CHARACTERISTICS

Particle Size	NLT 95% Through 80 mesh	98.90%	Analytical sieving USP <786>
Loss on Drying	NMT 5.00%	3.28%	USP <731>
Total Ash	NMT 5.00%	3.40%	USP <561>
Bulk Density	Between 35-55g/100ml	42.00g/100ml	USP <616> Method I

CHEMICAL CHARACTERISTICS

Pesticide Residue	Meet the requirements	Conform	GC USP <561>
Heavy Metals(as Pb)	NMT 10ppm	Conform	USP <231> Method II
Arsenic (As)	NMT 0.5ppm	<0.5ppm	ICP-MS
Lead (Pb)	NMT 0.5ppm	<0.5ppm	ICP-MS
Cadmium(Cd)	NMT 0.1ppm	<0.1ppm	ICP-MS
Mercury(Hg)	NMT 0.1ppm	<0.1ppm	ICP-MS

MICROBIOLOGICAL CHARACTERISTICS

Total Plate Count	NMT1,000cfu/g	400cfu/g	USP<61>
Total Yeast & Mold	NMT100cfu/g	30cfu/g	USP<61>
E.Coli	Not Detected in(g) 10	Not Detected	USP<61>
Salmonella	Not Detected in(g) 25	Not Detected	USP<61>
Staphylococcus	Not Detected in(g) 10	Not Detected	USP<61>

Packing and Storage

Polyethylene bag with cardboard drum. 25kg net.
Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

Tested by:

Troy Cui

Date: 07/10/2020

Approved by:

Jack Jia

Date: 07/10/2020