



CERTIFICATE OF ANALYSIS

Product Name	Grape seeds Extract powder		
Botanical Name	<i>Vitis vinifera L.</i>		
Batch Number	U-F-PTZ20190214	Manufacture Date	Feb.14th 2019
Country of Origin	China	Part Used	Seeds
Report Date	Feb.14th 2019	Expiry Date	Feb.14th 2021

Item of Analysis	Specification	Results	Test Methods
OPC	≥95%	95.65	UV
Organoleptic			
Appearance	Powder	Conforms	Organoleptic
Color	Red Brown	Conforms	Organoleptic
Odor	Characteristic	Conforms	CP2010
Taste	Characteristic	Conforms	CP2010
Physical Characteristics			
Particle Size	100% pass 80 mesh	Conforms	CP2010
Loss on drying	5%NMT (%)	3.32%	CP2010
Total ash	5%NMT (%)	2.63%	CP2010>
Bulk Density	40-50g/100mL	Conform	CP2010IA
Residue of Solvents	None	Conform	NLS-QCS-1007
Heavy metals			
Total Heavy Metals	10ppm Max	Conform	CP2010
Lead (Pb)	2ppm NMT	Conform	ICP-MS
Arsenic (As)	2ppm NMT	Conform	ICP-MS
Cadmium (Cd)	2ppm NMT	Conform	ICP-MS
Mercury (Hg)	1ppm NMT	Conform	ICP-MS
Microbiological Tests			
Total Plate Count	1000cfu/g Max	Conform	CP2010
Yeast & Mold	100cfu/g Max	Conform	CP2010
E. Coli.	Negative	Conform	CP2010
Salmonella	Negative	Conform	CP2010
Staphylococcus	Negative	Conform	CP2010

Storage: Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

Shelf Life: 24 months

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