



## Certificate of Analysis

Product Name:	<b>Grape Seed Extract</b>	Latin Name:	<i>Vitis vinifera L.</i>
Part Used:	<b>Seed</b>	Extract Solvent:	<b>Ethanol &amp; Water</b>
Country Origin:	<b>China</b>	Extract Ratio:	/
Batch Number:	<b>202311072</b>	Manufacture Date:	<b>Nov 07, 2023</b>
Representative Qty.:	<b>2000kg</b>	Expiry Date:	<b>Nov 06, 2026</b>

	ITEM	SPECIFICATION	RESULT	STANDARD REFERENCED
<b>Physical</b>	Appearance	Red brown powder	Complies	Visual
	Odor & Taste	Characteristic	Complies	Sensory
	Loss on drying	≤5.0%	4.60%	2g/105°C/5hrs
	Ash	≤5.0%	1.70%	2g/600°C/5hrs
	Loss on drying	0.300-0.700g/ml	0.4200g/ml	W/V
	Particle size	98% pass 80 mesh	Complies	Sieve
<b>Chemical</b>	Heavy metals	≤10ppm	Complies	Colorimetric method
	Arsenic(As)	≤1ppm	Complies	AFS
	Cadmium(Cd)	≤1ppm	Complies	AFS
	Lead(Pb)	≤1.5ppm	Complies	AFS
	Mercury(Hg)	≤0.3ppm	Complies	AFS
	Solvent residual	≤5000ppm	Complies	GC
<b>Assay</b>	Proanthocyanidins	≥95.0%	99.90%	UV-Vis
<b>Microbial</b>	Total microbacterial count	≤10000CFU/g	<10CFU/g	ChP
	Mould & Yeast	≤1000CFU/g	<10CFU/g	ChP
	Escherichia coli	Negative	Negative	ChP
	Staphylococcus aureus	Negative	Negative	ChP
	Salmonella	Negative	Negative	ChP
<b>Else</b>	Packing	Pack in paper-drums and two food grade poly bags inside. Net weight: 25kg/drum		
	Storage condition	Store in a well closed place with constant low temperature and no direct sun light		
	Shelf life	Three years when properly stored.		

