



Xi'an Green Spring Technology Co.,Ltd

### Certificate of Analysis

Generation Information			
Product Name:	Grape Seed Extract	Active Ingredient	Proanthocyanidins
Botanical Source	Vitis vinifera L.	Part Used	Seeds
Batch Number:	2024032301GS	Quantity:	545kgs
Manufacture Date:	Mar.23,2024	Analysis Date:	Mar.27,2024
ITEMS	SPECIFICATION	METHOD	TEST RESULTS
Proanthocyanidins	≥95.0%	UV	95.10%
Physical&Chemical			
Color	Red-Brown	Organoleptic	Conform
Odour	Characteristic	Organoleptic	Conform
Appearance	Fine Powder	Organoleptic	Conform
Analytical Quality			
Identification	Identical to R.S.sample	HPTLC	Identical
Sieve analysis	100 % through 80 mesh	Eur.Ph.<2.9.12>	Conform
Loss on Drying	≤5.0%	Eur.Ph.<2.8.17>	4.41%
Total Ash	≤1.0%	Eur.Ph.<2.4.16>	0.57%
Bulk density	20~50g/100mL	Eur.Ph.<2.9.34>	42g/100mL
Tap density	30~70g/100mL	Eur.Ph.<2.9.34>	65g/100mL
Contaminants			
Lead(Pb)	≤3.0mg/kg	Eur.Ph.<2.2.58>ICP-MS	0.0166mg/kg
Arsenic(As)	≤2.0mg/kg	Eur.Ph.<2.2.58>ICP-MS	0.1161mg/kg
Cadmium(Cd)	≤1.0mg/kg	Eur.Ph. <2.2.58>ICP-MS	<0.01mg/kg
Mercury(Hg)	≤0.1mg/kg	Eur.Ph. <2.2.58>ICP-MS	0.0238mg/kg
Solvents Residue	Meet Eur.Ph.<2.4.24>	Eur.Ph.<2.4.24>	Conform
Gamma-hch(a,β,y-isomers)	≤0.1	Eur.Ph.	Conform
HCH	≤0.1	Eur.Ph.	Conform
DDT and its metabolites	Absence(<0.002)	Eur.Ph.	Conform
Heptachlor	Absence(<0.002)	Eur.Ph.	Conform
Aldrin	Absence(<1mg/kg)	Eur.Ph.	Conform
Microbiological			
Total Plate Count	≤1000cfu/g	Eur.Ph.<2.6.12>	10 cfu/g
Yeast&Mold	≤100cfu/g	Eur.Ph.<2.6.12>	10 cfu/g
E.Coli.	Negative	Eur.Ph.<2.6.13>	Conform
Salmonella	Negative	Eur.Ph.<2.6.13>	Conform
General Status			
Non-Irradiation	≤700	EN<13751:2002>	245
Conclusion:Conform with specification.			
Storage: Keep in cool & dry place. Keep away from strong light and heat.			
Packing: By 25kgs/Drum,inner by plastic bag.			
Shelf life: Two Years under the above condition, and in it's original package.			

Quality Assurance: Liang Yan

