

**XSL**

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Certificate of Analysis

Product Name	Grape Seed Extract	Latin Name	Vitis vinifera L.
Batch No.	XSLGS120103	Mfg Date/Expi Date	Jan. 2012/Jan. 2014
Quantity	200KGS	Part Used	Seed
Original			
Items	Specifications	Results	Test Method
Appearance	Light Brown Red Powder	Complies	Visual
Odor/Taste	Characteristics	Complies	Organoleptic
Partical Size	95% through 80 meshes	100% through 80 meshes	GB5507-85
Loss on Drying	≤5.0%	2.07%	GB/T5009.11-1996
Ash	≤5.0%	2.52%	/
Identification Bates-Smith reaction	$\lambda_{\max}=280\text{nm}$ $\lambda_{\min}=256\text{nm}$ λ_{\max} : between 540 and 550nm	λ_{\max} : 279nm λ_{\max} : 546nm	UV(in ETOH 96%)
Proanthocyanidins Polyphenols Free phenol	≥95% ≥80% 6-15%	98.50% 81.90% 6.80%	UV UV(Gallic Acid) HPLC
Heavy Metals	≤10ppm	Complies	Atomic Absorption
As	≤2ppm	Complies	Atomic Absorption
Pb	≤2ppm	Complies	Atomic Absorption
Hg	≤2ppm	Complies	Atomic Absorption
Cd	≤2ppm	Complies	Atomic Absorption
Microbiological control			
Total of Plate Count	<1000CFU/g	300CFU/g	GB/T5009.11-1996
Yeast and Mold	<100CFU/g	100CFU/g	GB/T5009.11-1996
Salmonella	Negative	Complies	AOAC
E.coli	Negative	Complies	AOAC975.55, 16th
Storage/Packaging	Store in cool & dry place/25kg in one type cardboard drum.		
Shelf Life	24 months when properly stored		
Report Date:	Jan, 2011	QC	HU JIAN MING