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CERTIFICATE OF ANALYSIS

Grape Seed Extract Powder Proanthocyanidins 95%UV+OPC 30%HPLC

Lot Number: GRS-150506 Manufacture Date: 2015/05/15 Expiry Date: 2017/05/14

General Information			
Part Used	Seeds	Solvents Used	Water/Ethanol
Botanical Source	<i>Vitis vinifera L.</i>	Country Of Origin	China
ITEMS	SPECIFICATION	METHOD	TEST RESULTS
Physical&Chemical Data			
Color	Reddish Brown	Organoleptic	Conform
Odor	Characteristic	Organoleptic	Conform
Appearance	Fine Powder	Organoleptic	Conform
Analytical Quality			
Identification	Identical to R.S. sample	HPTLC	Identical
Proanthocyanidins	≥95.0%	UV	96.8%
OPC	≥30.0%	HPLC	30.1%
Sieve analysis	100% through 80 mesh	USP34<786>	Conform
Loss on Drying	≤5.0%	Eur.Ph.7.0 [2.8.17]	4.9%
Total Ash	≤10.0%	Eur.Ph.7.0 [2.4.16]	4.2%
Contaminants			
Lead (Pb)	≤3.0 mg/kg	Eur.Ph.7.0<2.2.58>ICP-MS	Conform
Arsenic (As)	≤2.0 mg/kg	Eur.Ph.7.0<2.2.58>ICP-MS	Conform
Cadmium (Cd)	≤1.0 mg/kg	Eur.Ph.7.0<2.2.58>ICP-MS	Conform
Mercury (Hg)	≤0.1 mg/kg	Eur.Ph.7.0<2.2.58>ICP-MS	Conform
Solvents Residue	Meet Eur.Ph.7.0 <5.4>	Eur.Ph.7.0<2.4.24>	Conform
Pesticides Residue	Meet USP Requirements	USP34 <561>	Conform
Microbiological			
Total Plate Count	≤1000 cfu/g	USP34 <61>	Conform
Yeast & Mold	≤100 cfu/g	USP34 <61>	Conform
E.Coli.	Negative	USP34 <62>	Conform
Salmonella	Negative	USP34 <62>	Conform
General Status			
Packing&Storage	Packed in paper-drums and two plastic-bags inside. N.W:25kgs. Store in a well-closed container Away from moisture, light, oxygen.		
Shelf life	24 months under the conditions above and in its original packaging.		
Remarks	Non-GMO, Non-Allergen		

Analytical Laboratory Manager:

王海

Date: 2015.05.21

