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CERTIFICATE OF ANALYSIS

Grape Seed Extract Powder Proanthocyanidins 95% UV

Lot Number: GRS-220901 Manufacture Date: 2022/09/06

Expiry Date: 2024/09/05

General Information			
Part Used	Seed	Solvents Used	Water/Ethanol
Botanical Source	<i>Vitis vinifera L.</i>	Seed Of Origin	Europe
ITEMS	SPECIFICATION	METHOD	TEST RESULTS
Physical&Chemical Data			
Color	Reddish Brown Fine Powder	Organoleptic	Conform
Odor	Characteristic	Organoleptic	Conform
Analytical Quality			
Identification	Identical to R.S. sample	HPTLC	Identical
Proanthocyanidins	≥95.0%	UV Bate Smith	99.2%
Oligomeric Proanthocyanidins	≥30.0%	USP	Conform
Extract Ratio	20:1		Conform
Sieve analysis	100% through 80 mesh	USP<786>	Conform
Loss on Drying	≤5.0%	Eur.Ph. [2.8.17]	2.5%
Contaminants			
Lead (Pb)	≤3.0 mg/kg	Eur.Ph.<2.2.58>ICP-MS	0.136 mg/kg
Arsenic (As)	≤2.0 mg/kg	Eur.Ph.<2.2.58>ICP-MS	Negative
Cadmium (Cd)	≤1.0 mg/kg	Eur.Ph.<2.2.58>ICP-MS	Negative
Mercury (Hg)	≤0.1 mg/kg	Eur.Ph.<2.2.58>ICP-MS	Negative
PAHs 4(Total)			0.73ug/kg
Benzo[a]anthracene (BaA)			≤0.5ug/kg
Benzo[a]pyrene(BaP)			0.73ug/kg
Benzo[b]fluoranthene(BbFA)			≤0.5ug/kg
Chrysene(CHR)			≤0.5ug/kg
Aflatoxin(B1+B2+G1+G2)			Negative
Solvents Residue	Meet Eur.Ph.<5.4>	Eur.Ph <2.4.24>	Conform
Pesticides Residue	Meet USP Requirements	USP <561>	Conform
Microbiological			
Total Plate Count	≤1000 cfu/g	USP <61>	≤10cfu/g
Yeast & Mold	≤100 cfu/g	USP <61>	≤10cfu/g
E.Coli.	Negative	USP <62>	Conform
Salmonella	Negative	USP <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-Irradiation,Non-GMO,Non-Allergen		

Analytical Laboratory Manager:

Date: 2022.09.13



王海