

GRAPE SEED EXTRACT

Product Name: Grape Seed Extract

Product Code: 11021A

Botanical Source: *Vitis vinifera* L.

Plant Part: Seed

Extraction Solvents: Water & Ethanol

Country of Origin: China

Items	Specifications	Methods
Appearance	Light Red Brown Powder	Visual
Particle Size	100% Pass 80 Mesh	USP38
Identification	Confirm	USP38
Proanthocyanidins	≥ 95 %	UV (Beta-Smith)
OPCs	≥ 75 %	USP38
Polyphenols	≥ 75 %	UV (Folin-C)
Loss on Drying	≤ 5.0 %	USP38
Total Ash	≤ 1.0 %	USP38
Bulk Density	≥ 0.3 g/ml	USP38
Residual Solvents	Meets the Requirements of USP	USP38
Pesticide Residues	Meets the Requirements of USP	USP38
Heavy Metals	≤ 10 ppm	USP38
Arsenic	≤ 2.0 ppm	USP38
Lead	≤ 3.0 ppm	USP38
Mercury	≤ 0.1 ppm	USP38
Cadmium	≤ 1.0 ppm	USP38
Microbial Analysis		
Total Plate Count	≤ 1000 cfu/g	USP38
Yeast and Mold	≤ 100 cfu/g	USP38
Escherichia Coli	Negative	USP38
Salmonella	Negative	USP38
Package & Storage		
Package	25 kg/drum	Shelf Life Two Years
Storage	Store in a Cool, Dry Place and Keep Away from Direct Light.	
Remarks	*Non-Irradiation	* No ETO Treatment
		* No Excipient

GRAPE SEED EXTRACT

Product Name: Grape Seed Extract

Product Code: 11021B

Botanical Source: *Vitis vinifera* L.

Plant Part: Seed

Extraction Solvents: Water & Ethanol

Country of Origin: China

Items	Specifications	Methods
Appearance	Red Brown Powder	Visual
Particle Size	100% Pass 80 Mesh	USP38
Identification	Confirm	USP38
Proanthocyanidins	≥ 95 %	UV (Beta-Smith)
OPCs	≥ 75 %	USP38
Polyphenols	≥ 70 %	UV (Folin-C)
Loss on Drying	≤ 5.0 %	USP38
Total Ash	≤ 1.0 %	USP38
Bulk Density	≥ 0.45 g/ml	USP38
Residual Solvents	Meets the Requirements of USP	USP38
Pesticide Residues	Meets the Requirements of USP	USP38
Heavy Metals	≤ 10 ppm	USP38
Arsenic	≤ 2.0 ppm	USP38
Lead	≤ 3.0 ppm	USP38
Mercury	≤ 0.1 ppm	USP38
Cadmium	≤ 1.0 ppm	USP38
Microbial Analysis		
Total Plate Count	≤ 1000 cfu/g	USP38
Yeast and Mold	≤ 100 cfu/g	USP38
Escherichia Coli	Negative	USP38
Salmonella	Negative	USP38
Package & Storage		
Package	25 kg/drum	Shelf Life Two Years
Storage	Store in a Cool, Dry Place and Keep Away from Direct Light.	
Remarks	*Non-Irradiation	* No ETO Treatment
		* No Excipient

GRAPE SEED EXTRACT

Product Name: Grape Seed Extract

Product Code: 11021

Botanical Source: *Vitis vinifera* L.

Plant Part: Seed

Extraction Solvents: Water & Ethanol

Country of Origin: China

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Appearance	Red Brown Powder	Visual
Particle Size	100% Pass 80 Mesh	USP38
Identification	Confirm	USP38
Proanthocyanidins	≥ 95 %	UV (Beta-Smith)
OPCs	≥ 75 %	USP38
Polyphenols	≥ 70 %	UV (Folin-C)
Loss on Drying	≤ 5.0 %	USP38
Total Ash	≤ 1.0 %	USP38
Bulk Density	≥ 0.3 g/ml	USP38
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Pesticide Residues	Meets the Requirements of USP	USP38
Heavy Metals	≤ 10 ppm	USP38
Arsenic	≤ 2.0 ppm	USP38
Lead	≤ 3.0 ppm	USP38
Mercury	≤ 0.1 ppm	USP38
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Microbial Analysis		
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