



Product Specifications

Ecovitis® Grape Seed Extract (*Vitis vinifera*)



Product Code: 98495000

Product Description: Pure grape seed extract derived from the separative aqueous extraction of selected grape seeds, dried into a powder

Product Properties

Color	Orange-brown powder
Appearance	Powder, uniform particles, hygroscopic
Taste	Characteristic of grape seed
Odor	Characteristic of grape seed
Excipient	None
Extract ratio	20-25:1
Plant part used	Seed

Analytical Values

		Spec.
Polyphenols (<i>Expr. as catechin; Folin-Ciocalteu, DWB</i>)	≥ 95	%
Oligomeric Proanthocyanidins (<i>Bate Smith, DWB</i>)	≥ 95	%
Oligomeric Proanthocyanidins (<i>Expr. as GPC Contents, DWB</i>)	≥ 85	%
Gallic Acid (<i>HPLC, DWB</i>)	≤ 0.5	%
Monomers (<i>Epicatechin and Catechin; HPLC, DWB</i>)	≤ 5.0	%
Moisture (<i>Loss on drying; 105° C; 30 sec.</i>)	≤ 7.0	%
Water Activity (<i>ISO 21807:2004</i>)	< 0.4	
Bulk Density (<i>Ph. Eur. 2.9.34</i>)	As reported	g/mL

Heavy Metals and Pesticides

		Spec.
Lead (<i>ICP-MS</i>)	≤ 3.0	ppm
Arsenic (<i>ICP-MS</i>)	≤ 2.0	ppm
Cadmium (<i>ICP-MS</i>)	≤ 1.0	ppm
Mercury (<i>ICP-MS</i>)	≤ 0.1	ppm
Pesticides	Conforms to the pesticide standards defined in 40 CFR Part 180	

Microbiological Values

		Spec.
Yeast and Mold (<i>Ph. Eur. 2.6.12</i>)	≤ 500	CFU/g
Total Viable Germs Count (<i>Ph. Eur. 2.6.12</i>)	≤ 5,000	CFU/g
<i>E. coli</i> (<i>Ph. Eur. 2.6.13</i>)	Absent	/g
<i>Salmonella</i> (<i>Ph. Eur. 2.6.13</i>)	Absent	/10 g
<i>Staphylococcus aureus</i> (<i>Ph. Eur. 2.6.13</i>)	Absent	/g
<i>Pseudomonas aeruginosa</i> (<i>Ph. Eur. 2.6.13</i>)	Absent	/g

Country of Origin: Italy (manufacturing), Italy (raw materials)

Packaging: Packed in an aluminum bag in a corrugating box, 15 kg net

Storage: The product must be stored in a dark, cool, and dry area. Keep the package well-sealed since the product is hygroscopic. Color may change at the end of shelf life.

Best Used By: 36 months after production date under proper storage conditions

Quality Control

The information contained herein is, to the best of our knowledge, correct. The data outlined and the statements made are intended only as a source of information. No warranties, expressed or implied, are made. On the basis of this information, it is suggested that you evaluate the product on a laboratory scale prior to use in a finished product.