

**PRODUCT SPECIFICATION: GRAPE SEED EXTRACT**

	<u>Analysis Method</u>	<u>Specifications</u>
<u>Main Characteristics</u>		
Origin	N.A.	South Africa
Physical Appearance	Visual	Fine Reddish Brown Powder
Colour	Visual	Reddish Brown
Odour	Organoleptic	Characteristic Tannin
Taste	Organoleptic	Astringent
<u>Active Ingredients</u>		
%Proanthocyanidins (%Flavanol - %catechins)	Folin Ciocalteu/Gallic Acid	> 50%
<u>Heavy Metals & Residues</u>		
Arsenic (As)	AOAC 986.15	< 2 ppm
Cadmium (Cd)	AOAC 986.15	< 1 ppm
Lead (Pb)	AOAC 986.15	< 20 ppm
Mercury (Hg)	AOAC 986.15	< 1 ppm
<u>Other Analytical Data</u>		
%Moisture	AOAC 22.2003	< 8%
Ash content	AOAC 22.010	< 5%
Solubility		
Water (heated above 50 °C)	Visual	Soluble
Ethanol in water	Visual	Easy Soluble
<u>Microbiological</u>		
Total Plate count (CFU/g)	ISO 4833	< 1000
Yeast and Mould (CFU/g)	ISO 7954	< 100
Coliforms (CFU/g)	ISO 4832	< 5
<i>E. coli</i> (CFU/g)	<i>Amended ISO 4832: Violet Red Bile Agar with MUG Supplement</i>	0
<i>Salmonella</i> (CFU/25g)	ISO 6579	0
<i>Staphylococcus aureus</i> (CFU/g)	ISO 6888	0
Storage	Closed container in a cool & dry area, away from light.	
Shelf Life	Two years from date of manufacture when stored in the original intact packaging.	