



P.O. Box 71
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 South Africa

B R E N N - O - K E M

Certificate of Analysis

Red grape leaf extract

Description:

Red grape leaf extract. Dry in powder form, for dietary supplement applications.

Applications:

Free radical and antioxidant scavenging action

Batch nr. : DBE01

Chemical Classification

Organic, Nutritive

Physical appearance

Fine Red Powder

Colour

Red

Odor

Characteristic Tannin, slightly sweet

Taste

Astringent/Sweet

Plant used

Red Grape Leaves from *vitis vinifera*

Extraction solvents used

Water/Ethanol

Analysis:

	<u>Specification:</u>	<u>Result:</u>
Moisture	< 8%	3.4%
Total polyphenols (gallic acid equivalent) Folin method	> 20%	25.7%
Heavy metals:		
Arsenic (As)	< 3 ppm	Complies
Cadmium (Cd)	< 1 ppm	Complies
Lead (Pb)	< 10 ppm	Complies
Mercury (Hg)	< 1 ppm	Complies
Microbiology:		
Total Plate count (CFU/g)	< 10000	Complies
Coliforms (CFU/g)	< 5	No growth
Yeast and Mould (CFU/g)	< 500	No growth
Escherichia coli	0	No growth
Salmonella	0	Absent
Staphylococcus aureus	0	No growth

Signature

Date

31 August 2010

R. Genade

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