



B R E N N - O - K E M

Certificate of Analysis

Grape seed extract

P.O. Box 71

Wolseley

6830

South Africa

Description:

Proanthocyanidin grape seed extract. Dry in powder form, for dietary supplement applications.

Applications:

Free radical scavenging and antioxidant action

Batch nr. : GSE500306

Chemical Classification

Organic, Nutritive

Physical appearance

Fine Reddish Brown Powder

Colour

Reddish Brown

Odor

Characteristic Tannin

Taste

Astringent

Analysis:

	<u>Specification:</u>	<u>Result:</u>
%Moisture	< 5%	4.0%
Ash content	< 8%	5.5%
Total polyphenols (gallic acid equivalent) Folin method	> 50%	54.1%

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)	< 1000	Complies
Coliforms (CFU/g)	< 5	Complies
Yeast and Mould (CFU/g)	< 100	Complies
Escherichia coli	0	No growth
Salmonella	0	Absent
Staphylococcus aureus	0	No growth

Signature

Date

R. Genade

22 October 2007

For Brenn-O-Kem (Pty) Ltd

Tel: +27 (0)23 231 1060/1

Fax: +27 (0)23 231 0954

Website: <http://www.brenn-o-kem.co.za>