



B R E N N - O - K E M

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Certificate of Analysis Devil's Claw Extract 4:1

Description:

Light brown hygroscopical fine powder, slightly typical odour

Sample nr. : **DKEJUN2010**

Expiry date : JUN 2012

Analysis:

Origin Plant	Harpagophytum Procumbens DC, by TLC
Chemical Classification	Organic, Nutritive
Physical appearance	Light brown, hygroscopical fine powder
Colour	Light brown to yellowish
Odor	Slightly typical
Taste	Bitter

	<u>Specification</u>	<u>Result:</u>
Auxiliary substance (anti-caking agent, silica dioxide)	< 10%	5.00%
Extraction Solvents used	Ethanol 60% (V/V)	
Extract ratio	4:1	
	<u>Specification:</u>	<u>Result:</u>
Minimum harpagoside content, HPLC assay	1.5%	1.72%
Loss on drying	< 5%	4.9%

Heavy metals:

Arsenic (As)	< 3 ppm	Complies
Cadmium (Cd)	< 1 ppm	Complies
Lead (Pb)	< 10 ppm	Complies
Mercury (Hg)	< 1 ppm	Complies

Microbiology:

Total viable aerobic count (CFU/g)	≤ 50000	Complies
Yeast and Mould (CFU/g)	≤ 500	Complies
Enterobacteriaceae	≤ 500	Complies
Escherichia coli	No growth	No growth
Salmonella	Absent	Absent
Staphylococcus aureus	No growth	No growth

Signature

Date

R. Genade

For Brenn-O-Kem (Pty) Ltd

9 July 2010