

Antioxidant Research Unit

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Certificate of Analysis

Assay for: Mokuti Herbs International

Sample #	Harpagoside (g/100g or %)
D.K. 29/09/2010	2.07

Assay details:

HPLC column : YMC - Pack Pro C18
Mobile phase A: 1% Acetic acid – acetonitrile (77:23, vol %)
Time %A
0-20 min 100

Column Temperature : 25°C
Flow rate : 1.0 mL/min
UV detection : 280nm
Injection volume : 20µL
Sample preparation : None

Method according to: Choi, G. *et al.* Simultaneous determination of harpagoside, 8-O-(E-P methoxycinnamoyl)harpagide, trans-cinnamic acid and P-methoxycinnamic acid in the root of *Scrophularia Buergeriana* by HPLC-DAD and LC-ESI-MS.

Analysis date : 01/10/2010
Analysed by : G.S. Rautenbach
Authorised by : J.L. Marnewick

A handwritten signature in black ink, appearing to read "G.S. Rautenbach".

G.S. Rautenbach
Laboratory Manager

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