

# Oxidative Stress Research Centre

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## Certificate of Analysis

Assay for: Mokuti Herbs International  
Rolf Schleiphfer  
PO Box 197  
Villiers Dorp

| Sample # | Umckalin<br>( $\mu\text{g/g}$ ) |
|----------|---------------------------------|
| PE 750   | 803                             |
| PE 650   | 673                             |

### Assay details:

HPLC column : YMC - Pack Pro C18

Mobile phase A: Water containing 0.1% Trifluoroacetic acid

Mobile phase B: Methanol containing 0.1% Trifluoroacetic acid

| Time   | %A | %B  |
|--------|----|-----|
| 0 min  | 70 | 30  |
| 5 min  | 70 | 30  |
| 25 min | 20 | 80  |
| 26 min | 0  | 100 |
| 29 min | 0  | 100 |
| 32 min | 70 | 30  |

Column Temperature : 25°C

Flow rate : 1.0 mL/min

UV detection : 330nm

Injection volume : 20 $\mu\text{L}$

Sample Preparation: 75 mg sample dissolved in 30 mL 60% Ethanol, filtered (45 $\mu\text{m}$ ) into HPLC vial.

Analysis date : 29/07/2011

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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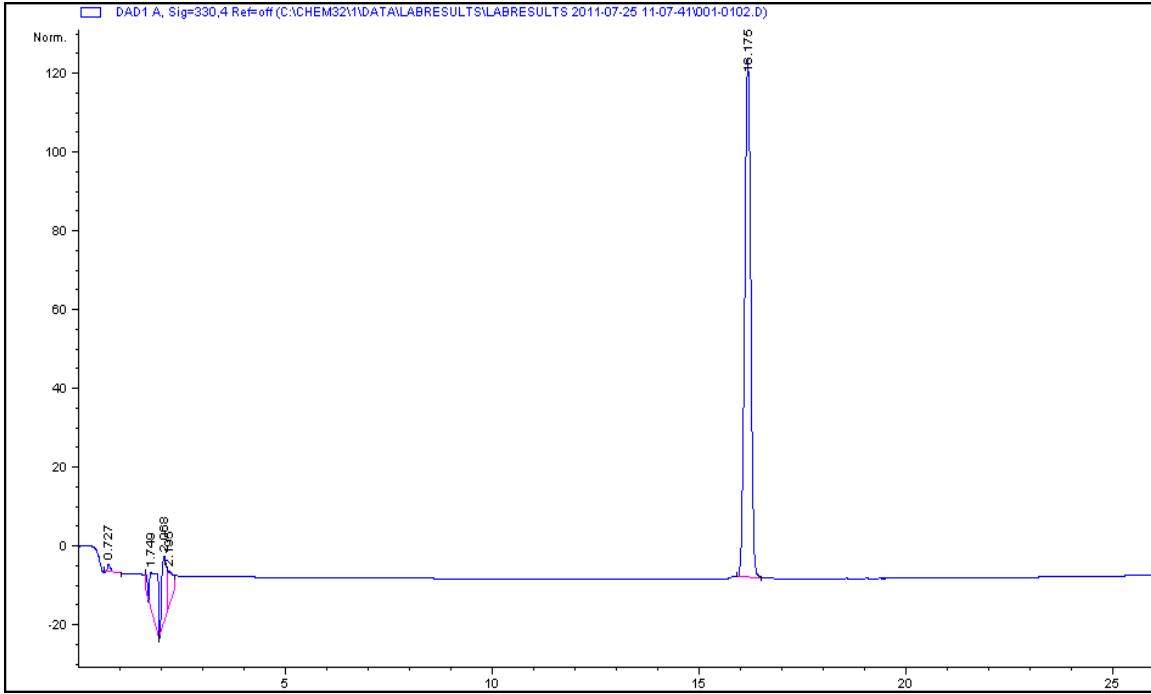
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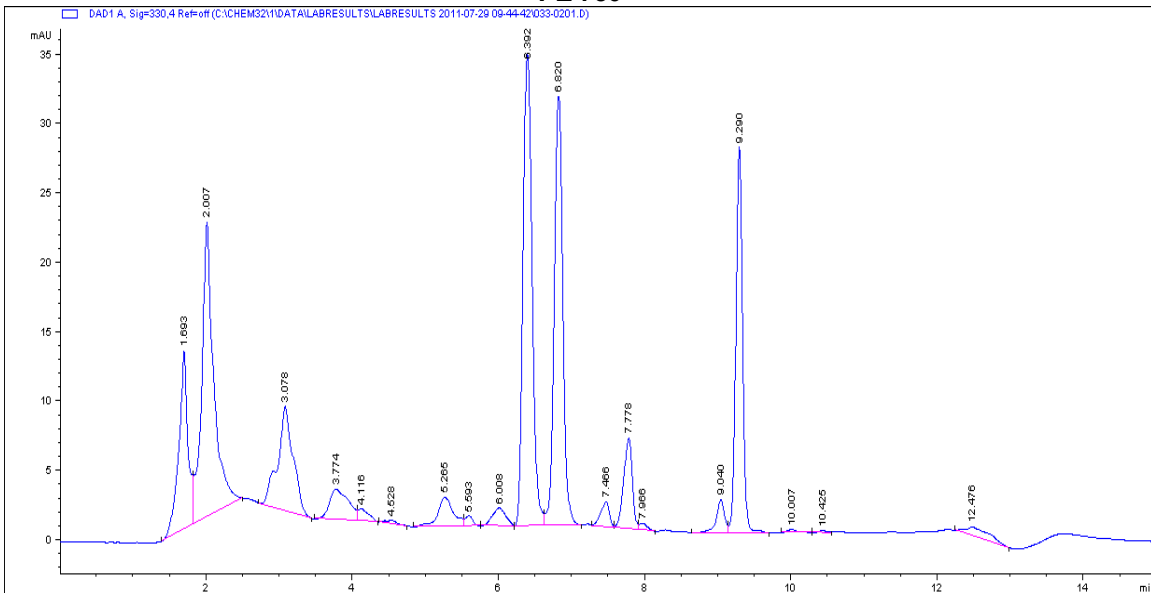
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## Umckalin std (20µg/mL)



## PE 750



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## PE 650

