

## Oxidative Stress Research Centre

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## Certificate of Analysis

Assay for: Matthew Sampson

Sample #	Wupperthal Rooibos	██████ Rooibos
ORAC (µmole TE/g)	972	772
Polyphenols (mg GAE/g)	48.77	34.98
Aspalathin (µg/g)	477.50	221.67

TE = Trolox equivalents; GAE = Gallic acid equivalents

### Assay details:

The ORAC (Oxygen radical absorbance capacity) method was performed according to: Ou, B., Hampsch-Woodill, M., Prior, R.L. 2001. Development and validation of an improved Oxygen Radical Absorbance Capacity assay using fluorescein as the fluorescent probe. *Journal of Agricultural and Food Chemistry*, **49**:4619-4626.

Total polyphenols were determined using the method as described by: Singleton V.L. and Rossi, J.A. 1965. Colorimetry of Total Phenolics with Phosphomolybdic-Phosphotungstic Acid Reagents. *American Journal of Enology and Viticulture*. **16**(3):144-158.

Analysis date : 22/11/2019

Analysed by : G.S. Rautenbach

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