



UNIVERSITY OF LIMPOPO GREEN BIOTECHNOLOGIES RESEARCH CENTRE

Private Bag X1106
Sovenga
0727

C/O R71 Tzaneen Road
Mankweng Township
Polokwane

REPORT OF ANALYSIS

Product: Health Juice

DETAILS OF MANUFACTURER

Company Name: Kanye Kings Business Enterprise

Email: mariahlongs@hotmail.com

Cell: +27 83 591 5015

Client's Name: Maria Hlongwane

Batch No./Bar Code number

Sample receipt date:

February 2025

Product shelf life:

06 Months

IDENTITY

Health Beverage

USES: Improves digestion and boosts immune system for improved living.

Botanical composition

ORGANOLEPTIC

Appearance

Colour

Odour

Condition of sample

SPECIFICATION

Liquid

Orange

Natural Scent

RESULTS

Complies

Complies

Complies

Acceptable

<u>ANALYTICAL</u>		<u>RESULTS</u>	
Thermocycles	pH(5.80)	Stable	4- 42 °C
	Colour	Stable	4- 42 °C
	Aroma/odour	Stable	4- 42 °C
Light exposure		Stable	Midday light intensity of 800 μmol m ⁻² s ⁻¹
Shelf life		06 Months	Temps 30/15 °C (16h day/8h night)
pH			5.80
Bioactivity			
Antioxidant activity			Moderate (AAO = 0.21%)
Anti-inflammatory activity			Low (IC ₅₀ Values - COX1 = 1233mg/ml,
			COX2 = 1763mg/ml and LOX = 1445mg/ml)
Antibacterial activity			Low (MIC <i>E. coli</i> = >12.5 mg/ml)
Antifungal activity			Moderate (MIC <i>Candida</i> = 6.25 mg/ml)

Nutritional Facts		
Parameter	Value (100 ml Juice)	Value per serving
Energy	23.5 KJ/100g	5.3 KJ/100g
Calories from fat	0.0	0.0
Total fats (g)	<0.1	<0.01
Saturated fats (g)	<0.1	<0.01
Trans fat (g)	<0.1	<0.01
Sodium (mg)	5.2	0.7
Total carbohydrate (g)	5.2	1.3
Dietary fiber (g)	<0.1	<0.01
Sugars (g)	2.22	0.36
Protein (g)	0.55	0.06
Vitamin A (IU)	<1	<0.01
Vitamin C (mg)	29.23	9.15
Calcium (mg)	13.2	2.7
Sugars		
Dextrose (g)	1.22	
Lactose (g)	<0.1	
Sucrose (g)	<0.1	
Fructose (g)	0.67	
Maltose (g)	<0.1	
Fatty Acids	Percent by weight	
Butanoic	0.021	
Hexanoic	0.017	
Octanoic	0.013	
Hexadecanoic	0.010	
Octadecanoic	0.003	
Octadecenoic	0.005	
Octadecadienoic	0.003	
Bioactivity		
Antioxidant activity	Moderate (AAO = 0.21%)	
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Phytochemical composition	
Total phenolics (TP)	Moderate (0.7%)
Flavanoids (TF)	Low (<0.01%)
Alkaloids	Not detected
Teroids or triterpenoids	Not detected

Microbial specification

Method	Item	Specificatio	Results	Complies
Tempo	Aerobic count	100	0	Yes
Tempo	<i>S.aureus</i>	10000	0	Yes
Tempo	Yeast and moulds	100	0	Yes
Tempo	<i>E.coli</i>	0	0	Yes
Tempo	<i>B.cereus</i>	100	0	Yes
Streak- plate	<i>Salmonella</i>	Absent	Absent	Yes

NB. Product was not tested on animals

OTHER INGREDIENTS**ALLERGENS & ANIMAL INGREDIENTS**

None

No pollen

Does not contain any viable plant materials such as seeds

Does not contain any animal derived ingredients

STORAGE AND STABILITY

Keep in a cool dry place

NB: The information contained in this specification is to our knowledge true and correct and presented in good faith. The information is offered solely for your consideration and verification.

This report has been generated based on the analysis results of tests done at the

Green Biotechnologies Research Centre, University of Limpopo and is for the samples tested.

The report or part of it shall not be reproduced except with written consent from the signatory below.

Tests were done on behalf of the South African Bureau of Standards.

All information will be handled confidentially. All the deviations will be recorded.



Approved by: Ashwell R. Ndhlala (PhD, DPhil, MRSSAf)

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Thursday, 03 April 2025

END OF REPORT