



UNIVERSITY OF LIMPOPO GREEN BIOTECHNOLOGIES RESEARCH CENTRE

Private Bag X1106
Sovenga
0727

C/O R71 Tzaneen Road
Mankweng Township
Polokwane

REPORT OF ANALYSIS

Product: Vitamin C Serum.

DETAILS OF MANUFACTURER

Perile Cosmetics Pty Ltd

Perile.cosmetics@outlook.com

35 Greenfield, Mooikloof Ridge, Pretoria, 0081

Tel: 012 841 4309

Phiwokuhle Ngcayiya

Batch No./Bar Code number

Sample receipt date:

October 2021

Product shelf life:

24 Months

IDENTITY

Skin Care Product

USES: Maintain and repair damaged skin and cartilage.

Botanical composition

ORGANOLEPTIC

Appearance

Colour

Odour

Condition of sample

SPECIFICATION

Liquid

Yellow

Scented

RESULTS

Complies

Complies

Complies

Acceptable

<u>ANALYTICAL</u>		<u>RESULTS</u>	
Thermocycles	pH (2.11)	Stable	4- 42 °C
	Colour	Stable	4- 42 °C
	Aroma/odour	Stable	4- 42 °C
Light exposure		Stable	Midday light intensity of 800 $\mu\text{mol m}^{-2} \text{s}^{-1}$
Shelf life		24 months	Temps 30/15 °C (16h day/8h night)
pH		Balanced	2.11
<u>Bioactivity</u>			
Antioxidant activity		Low (AAO = <0.001%)	
Anti-inflammatory activity		Not tested	
Antibacterial activity		Moderate (MIC <i>E. coli</i> = 6.25 mg/ml)	
Antifungal activity		Moderate (MIC <i>Candida</i> = 6.25 mg/ml)	
Anti-tyrosinase activity assay	(Skin lightening)	Not tested	

Phytochemical composition		
Total phenolics (TP)	Low (<0.1%)	
Flavanoids (TF)	Not detected	
Alkaloids	Not detected	
Teroids or triterpenoids	Not detected	
MICROBIAL SPECIFICATIONS	RESULTS	
Total plate count	0 CFU/100ml	Complies
<i>E. coli</i>	0 CFU/100ml	Complies
<i>Salmonella sp</i>	0 CFU/100ml	Complies

NB. Product was not tested on animals

OTHER INGREDIENTS

ALLEGENS & ANIMAL INGREDIENTS

None

No pollen

Does not contain any viable plant materials such as seeds

Does not contain any animal derived ingredients

HUMAN HEALTH SAFETY ASSESSMENT

Genotoxicity: Not genotoxic

Repeated Dose Toxicity: Not cytotoxic

Developmental and Reproductive Toxicity: Not toxic

Skin Sensitization: Not tested

Phototoxicity/Photoallergenicity: Not phototoxic/photoallergenic (UV Spectra)

Local Respiratory Toxicity: No NOAEC available. Exposure is below the TTC.

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.

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



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END OF REPORT