

Proximate composition

Free sugars

Organic acids

Amino acids

Rhodomyrtus tomentosa fruit (RTF)

Nutritional assessment



Un-fully mature fruit (UM-RTF)



Fully mature fruit (FM-RTF)



70% Methanol/water; Ultrasonic

Supernatant

Concentration

Aqueous phase

Extract with hexane

Hexane
extracts

Aqueous phase

Extract with DE/EA=1:1

DE/EA phase

Concentration

Free phenolic

Residue

Alkaline hydrolysis
Acidification

Supernatant

Residue

Extract with
hexane

Aqueous phase

Hexane
extracts

Extract with
DE/EA=1:1

DE/EA phase

Concentration

Bound phenolic

HPLC-ESI-qTOF/MS
HPLC

Antioxidant activity

Digestive enzymes
inhibitory activity with
In silico study