



Roselle Extract Specification

Product Name : Roselle Extract
Origin Of Material : Thailand
Lot No. : SP6412001
Extract Solvent : Purified Water (RO)
Packaging Size : 500 g

Botanical Name : *Hibiscus sabdariffa L.*
Part Used : Flower (Dried)
MFG. : 07/12/2021
EXP. : 07/12/2022
Packaging : Aluminium Foil Zip Lock Bag

Analysis	Specification	Reference Method
Physical Test		
-Appearance	Red Powder	Visual
-Odor & Taste	Characteristic	Organoleptic
Chemical Test		
-Assay (Anthocyanin Content)	≥ 600 ppm	UV-VIS
-Moisture Content	≤ 5.000 %	National food safety standard (GB.5009.3)
Heavy Metals		
-Arsenic (As)	≤ 1.500 ppm	In-house method based on AOAC (2019)
-Lead (Pb)	≤ 0.500 ppm	In-house method based on AOAC (2019)
-Cadmium (Cd)	≤ 0.500 ppm	In-house method based on AOAC (2019)
-Mercury (Hg)	≤ 3.000 ppm	In-house method based on AOAC (2019)
Microbiological Test		
-Total Plate Count	$\leq 10^4$ cfu/g	In-house method based on USP41/NF36 <2021>
-Total Yeast & Mold	$\leq 10^3$ cfu/g	In-house method based on USP41/NF36 <2021>
-Escherichia coli	Negative/10g	In-house method based on USP41/NF36 <2021>
-Salmonella	Negative/10g	In-house method based on USP41/NF36 <2021>
-Clostridium spp.	Negative/25g	In-house method TE-MI-10 based on FDA BAM Online, 2001(Chapter 16)

Conclusion : Conform with the specification.

Storage : In cool & dry place. Keep away from strong light and heat.

Shelf life : 1 years when properly stored.

(09 / 12 / 2021)

Quality Control

(09 / 12 / 2021)

Research & Development

