

Finished Product Specifications

XanoMax®20% Powdered Extract



Product Details			
Botanical Name	<i>Garcinia mangostana</i>	Common Name	Mangosteen
Plant part used	Dried Fruit rind	Extraction medium	Ethanol & Water
Excipient used	Colloidal Silicon Dioxide NMT 2%	Carrier used	None
Sterilization method	Non ETO	Shelf life	Three years

Product Specification			
Sr. No	Test	Specification	Method
1.0	Physical parameters		
1.1	Appearance	Yellowish Brown to Brown colour dry powder	Visual
1.2	Particle size	NLT 95 % w/w through 40 mesh	Sieving
1.3	Odor	Characteristic	Organoleptic
1.4	Taste	Characteristic	Organoleptic
1.5	Loss on drying	NMT 5 %w/w	Gravimetric
1.6	Alcohol Soluble Extractives	NLT 75% w/w on d/b	Gravimetric
1.7	Total Ash	NMT 10% w/w	Gravimetric
1.8	Bulk density	NLT 0.4g/cc	Gravimetric
2.0	Chemical parameters		
2.1	pH (1% w/v aqueous solution)	3-5	pH meter
2.2	Assay (α – Mangostin)	NLT 20.0% w/w on d/b	HPLC
2.3	Assay (Total flavonoids)	NLT 40.0% w/w on d/b	Gravimetric
3.0	Impurities		
3.1	Total Heavy Metals	NMT 10 ppm	Visual
3.2	Arsenic	NMT 2 ppm	AAS
3.3	Lead	NMT 2 ppm	AAS
3.4	Cadmium	NMT 0.2 ppm	AAS
3.5	Mercury	NMT 1 ppm	AAS

Sr. No	Test	Specification	Method
4.0	Microbiological Parameters		
4.1	Total Plate count	<1000 Cfu/g	USP
4.2	Yeast & Mold count	<100 Cfu/g	USP
4.3	Coliforms	<3/g	AOAC
5.0	Pathogens		
5.1	<i>Escherichia coli</i>	Should be Absent/g	USP
5.2	<i>Salmonella</i>	Should be Absent/g	USP
5.3	<i>Staphylococcus aureus</i>	Should be Absent/g	USP
5.4	<i>Pseudomonas aeruginosa</i>	Should be Absent/g	USP

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