

# Finished Product Specifications

## XanoMax®10% Powdered Extract



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

Product Specification			
Sr. No	Test	Specification	Method
<b>1.0</b>	<b>Physical parameters</b>		
1.1	Appearance	Reddish brown 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	Water Soluble Extractives	NLT 40% w/w on d/b	Gravimetric
1.7	60% Alcohol Soluble Extractives	NLT50% w/w on d/b	Gravimetric
1.8	Total Ash	NMT15% w/w	Gravimetric
1.9	Bulk Density	NLT 0.4g/cc	Gravimetric
<b>2.0</b>	<b>Chemical parameters</b>		
2.1	pH (1% w/v aqueous solution)	3-5	pH meter
2.2	Assay of $\alpha$ - Mangostin	NLT 10.0% w/w on d/b	HPLC
2.3	Assay of Total flavonoids	NLT 25.0% w/w on d/b	Gravimetric
<b>3.0</b>	<b>Impurities</b>		
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
<b>4.0</b>	<b>Microbiological Parameters</b>		
4.1	Total Plate count	<1000 CfU/g	USP
4.2	Yeast & Mold count	<100 CfU/g	USP
4.3	Coliforms	<3/g	AOAC
<b>5.0</b>	<b>Pathogens</b>		
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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