Aktin Chemicals, Inc.
No.88 Keyuan South Road, High-tech Zone, Chengdu
610041 P.R.China
Tel: 86-28-85159085 Fax: 86-28-85159085 Ex 604
Website: www.aktin.com Email: info@aktin.com

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SPECIFICATION SHEET

Product Name	Mystigostin® Gamma-mangostin
CAS No.	31271-07-5
Molecular Formula	$C_{23}H_{24}O_6$
Molecular Weight	396.43
Botanical name	*Garcinia mangostana L.*
Used Part	Shell
Product Specification	98.0%
Country of Origin	China

QUALITY SPECIFICATIONS

ITEMS	SPECIFICATIONS	METHODS
Appearance	Light yellow powder	Visual
Identification	The thin-layer chromatogram of this product should present spots consistent with the reference substance	TLC
	In the chromatogram recorded under the content determination item, the retention time of the main peak of the test solution should be consistent with that of the reference solution	HPLC
Mesh size/Sieve	NLT 95 % pass 80 mesh	80 mesh
Bulk density	NMT 0.8g/ml	USP<616>
Loss on Drying	≤5.0%	USP<731>
Residue on Ignition	≤2.0%	USP<281>
Assay		
Gamma-mangostin	Nlt98.0 %	HPLC
Residues		
Solvent Residues	USP<467>	GC
Heavy metals		
Heavy Metals	≤20ppm	ICP-MS

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ITEMS	SPECIFICATIONS	METHODS
Lead	≤2ppm	ICP-MS
Arsenic	≤1ppm	ICP-MS
Mercury	≤0.1ppm	ICP-MS
Cadmium	≤1ppm	ICP-MS
Microbiological		
Total Plate Count	<1000cfu/g	USP <2021>
Yeast& Mold	<100cfu/g	USP <2021>
E.Coli	Negative	USP <2022>
Salmonella	Negative	USP <2022>
Staphylococcus	Negative	USP <2022>
Statement: Non-Irradiated, Non-BSE/TSE, Non-GMO, Non-Allergen		

STORAGE, STABILITY & PACKAGING

Storage	Store in a cool and dry place, avoid strong light and high temperature.
Stability	24 months when properly stored.
Packaging	25kg/bottle or as requested.