

## Certificate of Analysis

### Product Information

Product Name	Garcinia Mangostana Fruit Rind Extra	Report Number	GML20210529
Botanical Name	Garcinia mangostana L	Manufacture Date	2021.05.07
Used Part	Fruit Rind	Analysis Date	2021.05.12
Batch Number	GML210507	Report Date	2021.05.17
Batch Quantity	1000KG	Expiry Date	2024.05.06

Test items	Specifications	Result	Test Methods
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### Active Ingredients

$\alpha$ -Mangostin	$\geq 40\%$	42.60%	HPLC
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### Physical & Chemical Data

Appearance	Brown Yellow Fine powder	Conforms	Visual
Odor and Taste	Characteristic	Conforms	Organoleptic
Sieve analysis	90% through 80 mesh	Conforms	80 Mesh Screen
Loss on Drying	$\leq 5.0\%$	2.12%	105°C/2 hrs
Total Ash	$\leq 5.0\%$	2.66%	GB 5009.4
Bulk Density	40~60 g/100mL	56.9 g/100mL	GB/T 18798.5
Tap Density	60~90g/100mL	66.0 g/100mL	GB/T 18798.5

### Contaminants

Lead (Pb)	<3.0mg/kg	0.25mg/kg	ICP-MS
Arsenic (As)	<2.0mg/kg	0.26mg/kg	ICP-MS
Cadmium (Cd)	<1.0mg/kg	0.07mg/kg	ICP-MS
Mercury (Hg)	<0.1mg/kg	0.001mg/kg	ICP-MS
Solvents Residue	<5000 mg/kg		GC

### Microbiological

Total Aerobic Count	$\leq 1000$ cfu/g	70cfu/g	GB 4789.2
Yeast & Moulds	$\leq 100$ cfu/g	10cfu/g	GB 4789.15
E-Coli	Negative	Conforms	GB 4789.3
Salmonella	Negative	Conforms	GB 4789.4
Staphylococcus Aureus	Negative	Conforms	GB 4789.10

### Storage & Packing

Shelf Life:	3 years when properly stored.
Packing :	Packed in paper-drums and two plastic-bags inside.
Storage:	Store in cool & dry place, not freeze. Keep away from strong light.

Remarks: This product is natural, the color vary from batch to batch.

Tested by: 张丽娜

Checker: 李明

Approved:

