



PRODUCT DATA

Monk Fruit Extract (Luo Han Guo)

Product Information

Product Name:	Luo Han Guo Extract	Country of Origin:	China
Latin Name:	<i>Momordica grosvenori</i>	Active Ingredient:	Mogroside V
Plant Part Used:	Fruit (Fresh, 100% Natural)	CASNo:	89590-98-7

Specifications

Assay: NLT Mogroside V 50% (HPLC)

Physical

Appearance :	Fine Off-White powder
Odor :	Characteristic
Taste:	Characteristic
Sieve Analysis :	NLT 95% pass 80 mesh
Type of Extraction:	Pure Water
Solubility:	Soluble in Water
Moisture Content:	NMT 5.0%
Ash:	NMT 5.0%
Irradiation Status:	Non Irradiated

Chemical

Arsenic (As):	NMT 1 ppm
Cadmium(Cd):	NMT 1 ppm
Lead (Pb):	NMT 3 ppm
Mercury(Hg):	NMT 0.1 ppm
Heavy Metals :	NMT 10 ppm
Phosphate Organics:	NMT 1 ppm
Pesticides Residues:	NMT 1 ppm

Micro-organism

Total Plate Count:	NMT 5000 cfu/ml
P.aeruginosa:	Absent
S. aureus:	Absent
Salmonella:	Absent
Yeast & Mold :	NMT 300 cfu/g
E.Coli :	Negative
Staphylococcus:	Negative



Packing and Storage

Packing:	Pack in paper-drums and two plastic-bags inside. Net Weight: 20 kg per drum.
Storage:	Store in a well-closed place with constant low temperature and no direct sunlight
Shelf Life:	2 years



Growing Areas of Luo Han Guo

With global warming, some areas in **Hunan Province** neighboring northern **Gullin** has become very suitable for growth of Monk fruit.

Since 2010, huacheng biotech inc are successful in plant, respectively in Hunan province Yongzhou, Hengyang and Shaoyang.

The Tabel of Agricultural Climate Division Index for Suitable Planting Area of Siraitia grosvenorii

Planting Area	Annual average temperature (°C)	Annual precip-itation (mm)	August to October precipitation(mm)	Sunshine duration (h)
Best Area	17.0-18.5	1600-2000	310-340	1300-1500
Suitable Area	14.5-17.0; 18.5-19.5	1500-1600	290-310;340-400	1100-1300; 1500-1600
Unsuitable Area	<14.5; >19.5	<1500	<310; >400	<1100; >1600

The Tabel of climatic table of each Luo Han Guo growing area

Area	Annual average temperature (°C)	Annual precip-itation (mm)	August to October precipitation(mm)	Sunshine duration (h)
Huaihua	16.9	1554	327.6	1346
Yongzhou	17.8	1625	338.8	1380
Hengyang	17.9	1521	294.3	1562
Shaoyang	17.1	1508	291.6	1470
Gullin	18.4	1821	340.8	1390

In Hunan Province Huaihua, Youngzhou, Heyang, Shaoyang are the suitable growing area for Luo Han Guo

QA & QC



Equipped with advanced analysis instruments such as 2 HPLC-WLSD(Waters), 2 HPLC(SHIMADZU), GC, AA and UV-VIS etc, we have a strong QC team. All of our analyst have been trained strictly and qualified with extensive work experience, which strongly guarantee our quality control and assurance capacity.

<p>HPLC-ELSD(WATERS) 2 Units</p>	<p>MICROBIOLOGY LAB</p>	<p>GC</p>
<p>UV-VIS</p>	<p>HPLC(SHIMADZU) 2 Units</p>	<p>AA</p>