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Add: 2nd Floor, E Building, 3rd Ke Ji Road High -tech Zone Xi'an Shaanxi

Chapter 1 basic information of Monk Fruit Extract.

What is monk fruit extract?

Siraitia grosvenorii (Monk fruit or Luo Han Guo) is a herbaceous

perennial vine of the Cucurbitaceae (gourd) family, native to southern

China and northern Thailand. The plant is cultivated for its fruit, whose

extract is nearly 300 times sweeter than sugar and has been used in

China as a low-calorie sweetener for cooling drinks and in traditional

Chinese medicine. This unusual fruit is exponentially sweeter than sugar,

with high concentrations of fructose and glucose, but the sweetness

comes from unique glycosides in the flesh of the fruit. In addition, this

fruit is packed with antioxidants and other organic compounds and

vitamins that have a wide array of benefits to human health.

The active ingredients of Monk Fruit Extract.

Mogroside is a chemical compound, and constitutes a glycoside of

cucurbitane derivatives. The taste of Monk fruits and their extracts is due

to a mixture of cucurbitane-type triterpene glycosides, the mogrosides,

with mogroside V being the major component of the ripe fruit. The

relative sweetness of mogroside V is over 300 times higher than that of

sucrose.

What we offer:



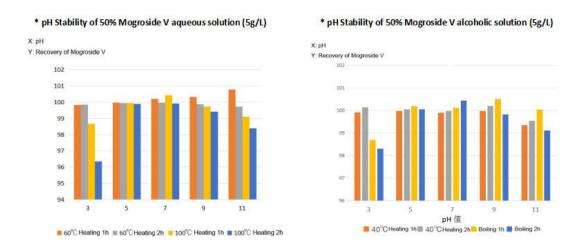
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Specification	Sweetness (Times) Compared with Sucrase
Monk Fruit MV 20%	130
Monk Fruit MV 25%	160
Monk Fruit MV 30%	180
Monk Fruit MV 40%	220
Monk Fruit MV 50%	250
Monk Fruit MV 55%	265
Monk Fruit MV 60%	275
Monk Fruit MV 65%	290

Chapter 2 analysis data:

pH Stability of Mogroside V

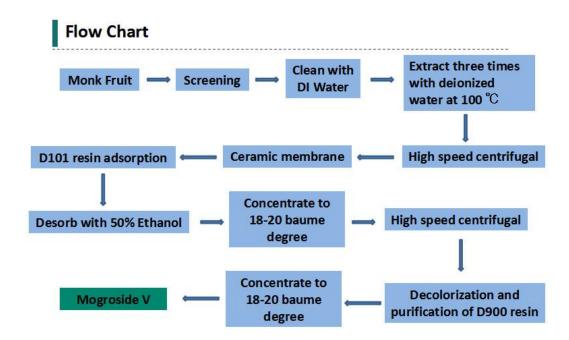


Flow Chart of Monk Fruit Extract



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COA: (take MV20% as reference) please see attachment.

Nutrition and Pesticide Residue Report:

Report ID: MDAVF33N701	30740		page 2 of 2
Sample Description and Number	Test Items	Test Results	Reference Methods
N70130740 Luo Han Guo Extract	Energy	1591 kJ/100g	GB 28050-2011
	Protein	5.6 g/100g	GB 5009.5-2010
	Fat	<0.5 g/100g	GB/T 5009.6-2003
	Carbohydrate	88.0 g/100g	GB 28050-2011
	Dietary Fiber	<0.5 g/100g	GB 5000.88-2014
	Sodium	1282 mg/100g	GB/T 5009.91-2003



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SP201	Organochlorine Pesticides,	Pyrethroides (LOQ* mg/kg	1)		
Acionifen (0.01)	Acrinathrin (0.02)	Aldrin (0.005)	Benfluralin (0.005)	Bifenox (0.02)	Binapacryl (0.02)
Bifenthrin (0.02)	Bromocyclen (0.02)	Bromoxynil-octanoate (0.01)	Butralin (0.02)	Chlordane, cis- (0.005)	Chlordane, oxy- (0.005)
Chlordane, trans- (0.00	O5) Chlorfenapyr (0.005)	Chlorfenprop-methyl (0.01)	Chlorfenson (0.01)	Chloroneb (0.05)	Chlorothalonii (0.01)
Chlorthal-dimethyl (0.0	(05) Cyfluthrin (0.02)	Cyhalothrin, lambda- (0.02)	Cypermethrin (0.02)	Cyphenothrin (0.02)	DDD, o,p- (0.005)
DDD, p,p'- (0.005)	DDE, o.p- (0.005)	DDE, p,p'- (0.005)	DDT, o,p'- (0.005)	DDT, p,p'- (0.005)	Deltamethrin (0.02)
Diallate (0.05)	Dichlobenil (0.01)	Dichlone (0.02)	Dicloran (0.005)	Dichlorobenzophenone, o,p- (0.04)	Dichlorobenzophenone, p.p- (0.04)
Dicofol, o,p- (0.04)	Dicofol, p.p. (0.04)	Dieldrin (0.005)	Dienochlor (0.02)	Dinitramine (0.01)	Dinobuton (0.02)
Endosulfan, alpha- (0.0		Endosulfan, beta- (0.005)	Endrin (0.01)	Endrin ketone (0.01)	Esfenvalerate (0.02)
Ethalfluralin (0.01)	Etridiazole (0.01)	Fenfluthrin (0.02)	Fenpropathrin (0.02)	Fenson (0.01)	Fenvalerate (RR-/SS-Isomers (0.01)
Fenvalerate (RS-/SR-li (0.01)	somers) Flubenzimine (0.01)	Fluchloralin (0.01)	Flucythrinate (0.02)	Flumetralin (0.01)	Fluorodifen (0.02)
Fluoroimide (0.02)	Genite (0.01)	Halfenprox (0.02)	HCH, alpha- (0.005)	HCH, beta- (0.01)	HCH, delta- (0.005)
HCH, epsilon- (0.005)	Lindane (gamma-HCH) (0.005)	Heptachlor (0.005)	Heptachlor epoxide, cis- (0.005)	Heptachlor epoxide, trans- (0.005)	Hexachlorobenzene (HCB) (0.005)
loxynil-octanoate (0.00	(0.005) Isobenzan	Isodrin (0.005)	Isopropalin (0.01)	Methoxychlor (0.01)	Mirex (0.005)
Nitrapyrin (0.01)	Nitrofen (0.01)	Octachlorstyrene (0.01)	Oxyfluorfen (0.01)	Pendimethalin (0.01)	Pentachloranisole (0.0
Pentachloroaniline (0.0	(0.005) Pentachlorothioanisole (0.005)	Permethrin (0.02)	Plifenate (0.005)	Polychloroterpene (Camphechlor) (0.2)	Profluralin (0.005)
Propanil (0.02)	Quintozene (0.005)	S 421 (0.005)	tau-Fluvalinate (0.02)	Tecnazene (0.005)	Tefluthrin (0.02)
Tetradifon (0.01)	Tetrasul (0.01)	Tralomethrin (0.02)	Triallate (0.02)	Trichloronat (0.01)	Trifluralin (0.005)
SP203	Organophosphorus Pesticio	les (LOQ* mg/kg)			
Acephate (0.02)	Amidithion (0.02)	Azamethiphos (0.04)	Azinphos-ethyl (0.05)	Azinphos-methyl (0.05)	Bomyl (0.02)
Bromfenvinphos (0.02)	Bromophos-methyl (0.02)	Bromophos-ethyl (0.02)	Butamifos (0.02)	Cadusaphos (0.02)	Carbophenothion (0.0)
Carbophenothion-meth (0.02)	chlorfenvinphos (0.02)	Chlormephos (0.02)	Chlorpyrifos (-ethyl) (0.02)	Chlorpyrifos-methyl (0.02)	Chlorthion (0.02)
Chlorthiophos (0.02)	Coumaphos (0.05)	Crotoxyphos (0.02)	Crufomate (0.02)	Cyanofenphos (0.05)	Cyanophos (0.02)
Demeton-S-methyl (0.0	Demeton-S-methyl-sulfone (0.05)	Dialifos (0.05)	Diazinon (0.02)	Dicapthon (0.01)	Dichlofenthion (0.02)
Dichlorvos (0.01)	Dicrotophos (0.02)	Dimefox (0.02)	Dimethoate (0.02)	Dimethoate/Omethoate (sum) ()	Dimethylvinphos (0.02
Dioxabenzofos (0.02)	Dioxathion (0.02)	Disuffoton (0.02)	Disulfoton-sulfon (0.02)	Disulfoton-sulfoxide (0.04)	Ditalimfos (0.02)
Edifenphos (0.05)	EPN (0.05)	Ethion (0.01)	Ethoprophos (0.02)	Etrimfos (0.02)	Famophos (0.05)
Fenamiphos (0.02)	Fenamiphos (sum) ()	Fenamiphos-sulfone (0.02)	Fenamiphos-sulfoxide (0.02)	Fenchlorphos (0.02)	Fenchlorphos oxon (0.
Fenitrothion (0.01)	Fensulfothion (0.02)	Fensulfothion-oxon-sulfone (0.05)	Fensulfothion-oxon-sulfoxide (0.02)	Fensulfothion-sulfone (0.02)	Fenthion (0.01)
Fenthion-oxon (0.02)	Fenthion-oxon-sulfone (0.05)	Fenthion-oxon-sulfoxide (0.02)	Fenthion-sulfone (0.05)	Fenthion-sulfoxide (0.02)	Fonofos (0.02)
Formothion (0.02)	Fostniazate (0.02)	Fosthietan (0.02)	Heptenophos (0.02)	Iodofenphos (0.02)	Iprobenfos (0.02)
Isazophos (0.02)	Isocarbofos (0.02)	Isofenphos (0.02)	Isofenphos-methyl (0.02)	Isoxathion (0.05)	Leptophos (0.05)
Malaoxon (0.02)	Malathion (0.02)	Mecarbam (0.02)	Mephosfolan (0.02)	Merphos (0.02)	Methacriphos (0.02)

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Sugar Profile Report(mv25%)



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Our reference: 502-2016-00055736/ AR-16-SU-057743-01

Sample described as: Luo Han Guo Extract MV 60%

Sample Packaging: Sealed plastic bag Sample reception date: 11-Oct-2016 Analysis starting date: Analysis ending date: 11-Oct-2016 04-Nov-2016

Arrival Temperature (°C) 22.2 Sample Welght 250g

Sample Type

	Results	Unit	LOQ	LOD
SU20L Protein Method: AOAC 984.13	3			
Protein	4.85 (k=6.25)	g/100 g	0.1	
SU20Q Dietary fiber Method: AOAC 9	91.43			
Dietary fiber	<0.5	g/100 g	0.5	
SU21L Sugar Profile Method: AOAC	995.13, modified			
Fructose	<0.1	g/100 g	0.1	
Galactose	<0.1	g/100 g	0.1	
Glucose	<0.1	g/100 g	0.1	
Lactose	<0.1	g/100 g	0.1	
Maltose	<0.1	g/100 g	0.1	
Sucrose	<0.1	g/100 g	0.1	
Monosaccharides and Disaccharid	es <0.1	g/100 g	0.1	
	Results	Unit	LOQ	LOD
 SUAMA Total fat Method: AOAC 996.0 	06			
Total fat	0.34	96		

SIGNATURE

潮敏

Food Chemistry Manager

EXPLANATORY NOTE

≥ Greater than or equal to

≤ Less than or equal to

The result(s) relate(s) only to the item (s) tested.

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END OF REPORT

 $\dot{\boldsymbol{\pi}}$ means the test is subcontracted within Eurofins group

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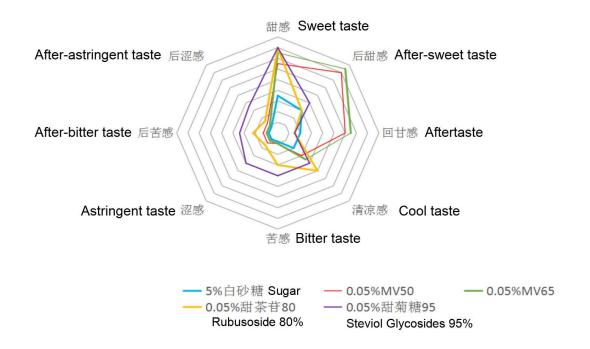
Sensory Flavor Map

Charpter



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Chapter 3 function and applications

Beverages and food

Energy drink, beer, ice creams, sport drink, soft drink

Bakery foods

Bread, cookies, bars,

Dietary goods

Yoghurts, milk shaking

Daily snacks

Chewing gums, energy bars

For more details please kindly visit our website

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