

Monk Fruit 55[®]

DESCRIPTION

Monk Fruit 55 is an extract of the Luo Han Guo fruit and mogroside V is the principal sweetening component. Other components include: mogroside II, mogroside III, mogroside IV, mogroside VI, flavonoids, melanoidins, and protein fragments. It is off-white to light yellow powder, and a non-nutritive sweetener. Monk Fruit Extract is freely soluble in water and is approximately 230-260 times sweeter than sucrose.

Formula: $C_{60}H_{102}O_{29}$ (mogroside V)

Molecular Weight: 1287.43

CAS: 88901-36-4 (mogroside V)

Flashpoint: Not Applicable

SUGGESTED USES Beverages, Table-top sweeteners, Baked Goods, Cereals, Confections, Dairy

Test Item	Specification	Test Method / Reference
Identification	Meet Requirements	Internal
Appearance	Light Yellow Powder	Internal
Odor	Characteristic	Internal
Taste	Sweet	Internal
Purity (on dry basis)	55-56%	FCC
Loss on Drying (135 C° ± 2 C° 2hr)	≤ 6.0%	FCC
Ash (600 C° 2 hr)	≤ 5.0%	FCC
Arsenic	≤ 0.5 ppm	FCC
Cadmium	≤ 1.0 ppm	FCC
Lead	≤ 1.0 ppm	FCC
Ethanol	≤ 5000 ppm	USP/NF
Methanol	≤ 3000 ppm	USP/NF
Total Aerobic Plate Count	≤ 3000 CFU/g	GB
Yeast and Mold Count	≤ 300 CFU/g	GB
Coliforms	≤ 30 MPN/100 g	GB
Escherichia Coli	Negative	GB
Salmonella	Negative	GB
Pseudomonas Aeruginosa	Negative	GB
Staphylococcus Aureus	Negative	GB
Pesticides	Complies to FCC	FCC

CFU = Colony Forming Units
JP = Japanese Pharmacopeia
FCC = Food Chemical Codex

EP = European Pharmacopeia
USP/NF - United States Pharmacopeia-
National Formulary

GB= China National Standard Method
JECFA = Joint FAO/WHO Expert
Committee on Food Additives

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PACKAGING	20 kg cardboard drum with two PE liner bags.
SHIPPING & HANDLING	Recommended to be shipped in an odor-free environment. Low humidity conditions are recommended to minimize caking/degradation potentials.
STORAGE	Store in a well-closed place with constant low temperature and no direct sun light.
SHELF LIFE	The shelf life of this material is 2 years from the date of manufacture if stored in recommended environment. Product should be reevaluated if it exceeds expiration date.
LOT CODE EXPLANATION	Example Lot: LHG150320 LHG= Product Code 15 = Year Manufactured: 2015 03 = Month Manufactured: March 20 = Date Manufactured: 20th

NUTRITIONAL DATA	Nutrient	Per 100 grams
	Calorie (kcal)	382
	Total Fats (g)	0
	Cholesterol (mg)	0
	Sodium (mg)	600
	Carbohydrates (g)	87.6
	Dietary Fiber (g)	< 0.7
	Total Sugars (g)	0
	Added Sugars (g)	0
	Protein (g)	8.7
	Moisture (g)	6.0
	Ash (g)	0.2
	Vitamins-IU	0
	Calcium (mg)	490
	Iron (mg)	0
	Potassium (mg)	0

This data is calculated from standard analytical data. The zero values are based on process knowledge and raw materials used.

Monk Fruit is chemically pure and contains no additives, preservatives or colors.



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