

# Monk Fruit 40

## DESCRIPTION

Monk Fruit 40 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 40 is freely soluble in water and is approximately 160-200 times sweeter than sucrose.

Formula:  $C_{60}H_{102}O_{29}$  (mogroside V)      CAS: 88901-36-4 (mogroside V)

Molecular Weight: 1287.43      EINECS: 695-005-3      Flashpoint: Not Applicable

## SUGGESTED USES

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

Test Item	Specification	Test Method / Reference
Identification	Meet Requirements	FCC
Appearance	Light Yellow Powder	Internal
Odor	Characteristic	Internal
Taste	Sweet	Internal
Assay	Mogroside V 38%-42%	FCC
Loss on Drying	≤ 5.0%	FCC
Ash	≤ 2.0%	FCC
Arsenic	≤ 0.5 ppm	FCC
Cadmium	≤ 0.5 ppm	FCC
Lead	≤ 1.0 ppm	FCC
Mercury	≤ 0.1 ppm	FCC
Heavy Metals	≤ 10 ppm	FCC
Total Aerobic Plate Count	≤ 1000 CFU/g	GB
Yeast and Mold Count	≤ 100 CFU/g	GB
Coliforms	≤ 3 MPN/g	GB
Salmonella	Negative	GB
Staphylococcus Aureus	Negative/25g	GB
Escherichia Coli	Negative/25g	GB
Pesticides	Complies to GB&USP-NF	GB
Particle Size	Through 80 Mesh ≥ 95%	Internal

FCC = Food Chemical Codex

GB= China National Standard Method

CFU = Colony Forming Units

USP/NF - United States Pharmacopeia-National Formulary

MPN = Most Probable Number



# Monk Fruit 40

## CONFORMITY WITH

Food Chemicals Codex  
This material is Kosher Pareve and Halal Certified

## 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 3 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: LHGE210101  
Plan A: LHGE= Product Code  
21 = Year Manufactured: 2021  
01 = Month Manufactured: January  
01 = Date Manufactured: 1<sup>st</sup>

Example Lot: LHG210101  
Plan B: LHG= Product Code  
21 = Year Manufactured: 2021  
01 = Month Manufactured: January  
01 = Date Manufactured: 1<sup>st</sup>

## NUTRITIONAL DATA

Nutrient	Per 100 grams
Calorie (kcal)	387
Total Fats (g)	< 0.1
Cholesterol (mg)	0
Sodium (mg)	150
Carbohydrates (g)	69.2
Dietary Fiber (g)	2
Total Sugars (g)	0.3
Added Sugars (g)	0
Protein (g)	25.5
Moisture (g)	5.0
Ash (g)	0.2
Vitamins-IU	0
Calcium (mg)	70.5
Iron (mg)	7.9
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.

