

SPECIFICATION

Product Name: Monk Fruit Extract Powder 10%
Chemical Formula: N/A
CAS Number: 88901-36-4
Molecular Weight: N/A
Appearance: Yellow brown fine powder
Odor: Odorless

Chemical Composition

Parameter	Unit	Typical Value	Specification (Min./Max.)
Identification	-	CP2020	Identical to R.S. sample
Sieve analysis	-	Complies	95% through 80 mesh
Loss on drying	%	3.52%	≤5.0%
Ash	%	2.31%	≤5.0%
Density	g/ml	Complies	30 - 90g/100ml
Assay (mogrosides)	%	10.4%	NLT 10.0%
Mogroside V	%	1.25%	NLT 1.2%
Lead	mg/kg	Complies	≤ 3.0% mg/kg
Arsenic	mg/kg	Complies	≤ 1.0% mg/kg
Cadmium	mg/kg	Complies	≤ 1.0% mg/kg
Mercury	mg/kg	Complies	≤ 0.1% mg/kg
Aflatoxin B1	Ppb	Complies	≤2ppb
Aflatoxin B2	Ppb	Complies	≤2ppb

Aflatoxin G1	Ppb	Complies	≤2ppb
Aflatoxin G1	Ppb	Complies	≤2ppb
Solvents Residue	-	Complies	Meet USP
Pesticides Residue	-	Complies	Meet USP
Microbiological Test			
Total Plate Count	cfu/g	10 cfu/g	≤1000 cfu/g
Yeast & Mold	cfu/g	10 cfu/g	≤100 cfu/g
E. coli	-	Complies	Negative
Salmonella	-	Complies	Negative

Physical Properties

- Solubility: Soluble in water. Soluble in ethanol. Insoluble in acetone. Insoluble in oils.

Shelf Life & Storage

- Shelf Life: 3 years from date of manufacture under recommended storage.
 - Storage Conditions: Store in a cool, dry place away from direct sunlight and moisture. Keep the container tightly closed in the original packaging. Store in a well-ventilated area at 15–25°C and protect from excessive heat and humidity.

Applications

- Use: Widely used as a natural, zero-calorie sweetener in foods, beverages, and dietary supplements. It provides sweetness without significantly affecting blood sugar levels and is commonly used in sugar-free, low-calorie, and diabetic-friendly formulations.
 - Dosage: Depends on the desired sweetness, product formulation, and intended application. It should be used according to formulation requirements and applicable food regulations. The appropriate usage level varies with the concentration of mogrosides and the type of food, beverage, or dietary supplement being manufactured.

Packaging

- Standard Packing: 25 Kgs pp bag with inner liner and 1 Kgs or as per customer requirement.
 - Labeling: Product name, batch number, net weight, manufacture date, expiry date, and manufacturer details.



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* Specifications are based on the manufacturer's provided specifications.

