Monk Fruit Extract 50%

Mogroside V and related cucurbitane glycosides · CAS 88901-36-4 (Mogroside V) · Water-extracted monk fruit concentrate, ≥50% Mogroside V

CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION

IDENTITY / FORM	FORMULA	CAS	PRIMARY ASSAY
Water-extracted monk fruit concentrate, ≥50% Mogroside V	Mogroside V and related cucurbitane glycosides	88901-36-4 (Mogroside V)	≥50.0% (HPLC)
METHOD	**MINIMUM ORDER**	**LEAD TIME**	**STANDARD PACK**
HPLC with UV or ELSD detection	1 kg	3–10 days	1 kg foil pouch · 25 kg fiber drum

DESCRIPTION

A 50% Mogroside V monk fruit extract for beverages and foods, specified by the mogroside profile and supplied with taste and solubility data.

SWEETNESS

150–250 × sucrose, indicative for a 50% Mogroside V extract

TASTE NOTE

Clean, fruit-forward sweetness with a melon-like note at high dose; less liquorice linger than stevia.

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Mogroside V	≥50.0% (HPLC)	As stated
Total mogrosides	≥60.0% (HPLC)	As stated
Appearance	Light yellow to off-white powder	As stated
Moisture	≤5.0%	As stated
pH (1% solution)	4.0–7.0	As stated
Solubility	Soluble in water; slight haze at high concentration	As stated
Particle size	≥95% through 80 mesh	As stated
Bulk density	0.35–0.65 g/mL	As stated
Heavy metals	Pb ≤0.5 · As ≤0.5 · Cd ≤0.5 · Hg ≤0.1 mg/kg	As stated
Microbiology	APC ≤1,000 cfu/g · yeast and mould ≤100 cfu/g · E. coli and Salmonella absent	As stated
Marker / profile	Mogroside V ≥50%, total mogrosides ≥60%	Identity

PARAMETER	SPECIFICATION	METHOD / NOTE
Solubility	Soluble in water; a slight haze can appear at high concentration and should be checked in clear beverages.	Matrix dependent
Starting use level	0.01–0.07% in beverages, depending on target sucrose equivalence	Application dependent
pH behaviour	Stable across pH 3–7; very low pH and long shelf life require a matrix stability test.	Matrix dependent

APPLICATIONS

- Beverages
- Tabletop
- Dairy alternatives
- Confectionery
- Sauces

AVAILABLE FORMS

- Powder, 80 mesh
- Granular on request
- Liquid on request

PACKING

- 1 kg foil pouch
- 25 kg fiber drum

STORAGE

Store in a cool, dry, well-ventilated area, away from direct sunlight and moisture. Keep the pack closed after sampling. The lot-specific retest date is shown on the batch COA.

DOCUMENTATION RELEASED WITH EACH LOT

- Batch-specific certificate of analysis
- Technical data sheet and safety data sheet
- Allergen, GMO, origin and residual-solvent statements
- Third-party reports on request

Catalog document. This TDS describes the grade we can quote. The final specification, pack and documentation are confirmed in writing before the order. It is not a batch COA and does not report a result for a specific lot.

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