Rebaudioside M 95%

$C_{56}H_{90}O_{33}$ · CAS 1220616-44-3 · Rebaudioside M, high-purity steviol glycoside

CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION

IDENTITY / FORM	FORMULA	CAS	PRIMARY ASSAY
Rebaudioside M, high-purity steviol glycoside	$C_{56}H_{90}O_{33}$	1220616-44-3	≥95.0% (HPLC)
METHOD	**MINIMUM ORDER**	**LEAD TIME**	**STANDARD PACK**
HPLC with UV detection at 210 nm	1 kg	3–10 days	1 kg foil pouch · 25 kg fiber drum

DESCRIPTION

A 95% Rebaudioside M grade for premium beverages that need a faster, cleaner sweetness than Reb A, with the minor glycoside profile stated on the COA.

SWEETNESS

250–350 × sucrose, indicative

TASTE NOTE

Faster onset and cleaner finish than Reb A, with less liquorice linger; still sweet after the swallow at high dose.

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Rebaudioside M	≥95.0% (HPLC)	As stated
Total steviol glycosides	≥98.0% (HPLC)	As stated
Rebaudioside A	≤2.0% (HPLC)	As stated
Stevioside	≤0.5% (HPLC)	As stated
Appearance	White to off-white powder	As stated
Moisture	≤3.0%	As stated
pH (1% solution)	4.5–7.0	As stated
Solubility	Freely soluble in water	As stated
Particle size	≥95% through 80 mesh	As stated
Bulk density	0.30–0.60 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	Reb M ≥95%, total steviol glycosides ≥98%, Reb A ≤2%	Identity

PARAMETER	SPECIFICATION	METHOD / NOTE
Solubility	Freely soluble in water; clear solution at typical beverage use levels.	Matrix dependent
Starting use level	0.008–0.05% in beverages, depending on the target sucrose equivalence	Application dependent
pH behaviour	Stable across normal beverage pH; extreme acid and prolonged heat increase glycoside hydrolysis.	Matrix dependent

APPLICATIONS

- Premium beverages
- Tabletop
- Dairy alternatives
- Functional drinks
- Supplements

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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