Steviol Glycosides 95%

Steviol glycoside mixture (mainly stevioside and rebaudioside A) · CAS 57817-89-7 (stevioside) · Purified steviol glycoside extract, ≥95% total glycosides

CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION

IDENTITY / FORM	FORMULA	CAS	PRIMARY ASSAY
Purified steviol glycoside extract, ≥95% total glycosides	Steviol glycoside mixture (mainly stevioside and rebaudioside A)	57817-89-7 (stevioside)	≥95.0% (HPLC)
METHOD	**MINIMUM ORDER**	**LEAD TIME**	**STANDARD PACK**
HPLC with UV detection at 210 nm	1 kg	1–7 days	1 kg foil pouch · 25 kg fiber drum

DESCRIPTION

A 95% total steviol glycoside powder for beverages, tabletop and reduced-sugar foods, specified by the glycoside profile rather than a single stevia percentage.

SWEETNESS

200–300 × sucrose, indicative

TASTE NOTE

Sweet with a slower onset and a liquorice-like linger at higher doses; mouthfeel thins in water unless a bulk sweetener is added.

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Total steviol glycosides	≥95.0% (HPLC)	As stated
Rebaudioside A	40.0–60.0% (HPLC)	As stated
Stevioside	20.0–35.0% (HPLC)	As stated
Rebaudioside C	≤10.0% (HPLC)	As stated
Appearance	White to off-white powder	As stated
Moisture	≤5.0%	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

PARAMETER	SPECIFICATION	METHOD / NOTE
Microbiology	APC ≤1,000 cfu/g · yeast and mould ≤100 cfu/g · E. coli and Salmonella absent	As stated
Marker / profile	Total steviol glycosides ≥95%, Reb A 40–60%, stevioside 20–35%	Identity
Solubility	Freely soluble in water; solutions are clear at typical use levels and remain stable across beverage pH.	Matrix dependent
Starting use level	0.01–0.08% in ready-to-drink beverages, depending on target sucrose equivalence	Application dependent
pH behaviour	Typically stable from pH 3 to 7. Very low pH plus prolonged heat increases hydrolysis of the glycoside ester linkages.	Matrix dependent

APPLICATIONS

- Beverages
- Tabletop sweeteners
- Dairy and plant-based drinks
- Confectionery
- Supplements

AVAILABLE FORMS

- Powder, 80 mesh
- Granular on request
- Organic grade 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.

Shaanxi Rainwood Biotech Co., Ltd. · Rm 218, Tangxing Digital Bldg, #6 Tangxing Rd, Xi'an, Shaanxi, China
info@rainwoodbio.com · sweeteners.rainwoodbio.com