SPECIMEN

Rainwood SWEETENERS

SPECIMEN TDS
SW-SPEC-TDS-01 · 57817-89-7 (STEVIOSIDE)

Technical data sheet

Steviol Glycosides 95% · Purified steviol glycoside extract, ≥95% total glycosides

SPECIMEN LAYOUT — THE RELEASED TDS FOLLOWS THE GRADE AND THE PACK.

IDENTITY	FORMULA	CAS	APPEARANCE
Purified steviol glycoside extract, ≥95% total glycosides	Steviol glycoside mixture (mainly stevioside and rebaudioside A)	57817-89-7 (stevioside)	White to off-white, free-flowing powder
SWEETNESS	SOLUBILITY		
200–300 × sucrose, indicative	Freely soluble in water; solutions are clear at typical use levels and remain stable across beverage pH.		

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.

TASTE AND APPLICATION

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.
Starting use level	0.01–0.08% in ready-to-drink beverages, depending on target sucrose equivalence
Blend behaviour	Blends with erythritol, monk fruit and acesulfame K; the best ratio is matrix-specific.

SPECIFICATION SUMMARY

PARAMETER	TYPICAL SPECIFICATION
Total steviol glycosides	≥95.0% (HPLC)

PARAMETER	TYPICAL SPECIFICATION
Rebaudioside A	40.0–60.0% (HPLC)
Stevioside	20.0–35.0% (HPLC)
Rebaudioside C	≤10.0% (HPLC)
Appearance	White to off-white powder
Moisture	≤5.0%
pH (1% solution)	4.5–7.0
Solubility	Freely soluble in water

HANDLING AND STORAGE

- Store in the unopened, sealed pack in a dry room, away from direct sunlight.
- Reseal an opened pouch or drum liner promptly; the powder can pick up moisture and cake.
- Avoid dusting; use local extraction when weighing in a dose room.
- Moderately hygroscopic; store sealed below 25 °C and 60% RH.

PACKAGING

PACK	DETAIL
1 kg foil pouch	Food-grade liner, sealed, lot label; qualification and small-batch pack.
25 kg fiber drum	Food-grade liner, tamper-evident seal, lot label; production pack.
Pallet	Stretch-wrapped, lot labels visible, pallet record.

DOCUMENTATION

- Batch COA against the agreed specification.
- Safety data sheet in the 16-section format.
- Allergen, GMO and origin statements.
- Residual-solvent statement for the purification system.

> **Specimen only.** This TDS is a format, not a released document for a specific lot. The released TDS follows the grade and the pack and is confirmed with the quotation.

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