Xylooligosaccharides (XOS)

$(C_5H_8O_4)n$ · CAS — · Xylooligosaccharide powder or syrup

CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION

IDENTITY / FORM	FORMULA	CAS	PRIMARY ASSAY
Xylooligosaccharide powder or syrup	$(C_5H_8O_4)n$	—	≥95.0% (HPLC-RI)
METHOD	**MINIMUM ORDER**	**LEAD TIME**	**STANDARD PACK**
HPLC-RI and AOAC enzymatic fibre method	1 kg	3–10 days	1 kg foil pouch · 25 kg fiber drum

DESCRIPTION

A XOS powder or syrup for soluble fibre in beverages and supplements, specified by the XOS content, DP profile and low viscosity that make it easy to formulate.

SWEETNESS

20–30% of sucrose, indicative

TASTE NOTE

Mild, clean sweetness with a slight woody note at high dose; low viscosity makes it easy in beverages.

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
XOS (dry basis)	≥95.0% (HPLC-RI)	As stated
Dietary fibre	≥85.0% (AOAC 2009.01 or equivalent)	As stated
Degree of polymerisation	DP 2–7	As stated
Appearance	White to light yellow powder	As stated
Moisture	≤5.0%	As stated
pH (10% solution)	3.5–6.5	As stated
Solubility	Freely soluble in water	As stated
Particle size	≥95% through 80 mesh	As stated
Ash	≤0.5%	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	XOS ≥95%, DP 2–7, fibre ≥85%	Identity
Solubility	Freely soluble in water; low viscosity and a clean solution.	Matrix dependent

PARAMETER	SPECIFICATION	METHOD / NOTE
Starting use level	1–5% in beverages and supplements, depending on the fibre target	Application dependent
pH behaviour	Most stable at pH 4–7; very low pH increases hydrolysis.	Matrix dependent

APPLICATIONS

- Beverages
- Supplements
- Dairy
- Confectionery
- Bakery

AVAILABLE FORMS

- Powder, 80 mesh
- Liquid 70%
- High-purity powder

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