Oat Beta-Glucan 70%

(1→3)(1→4)-β-D-glucan · CAS — · Oat beta-glucan concentrate, 70% beta-glucan

CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION

IDENTITY / FORM	FORMULA	CAS	PRIMARY ASSAY
Oat beta-glucan concentrate, 70% beta-glucan	(1→3)(1→4)-β-D-glucan	—	≥70.0% (AOAC 995.16)
METHOD	**MINIMUM ORDER**	**LEAD TIME**	**STANDARD PACK**
AOAC 995.16 and AOAC 2009.01	1 kg	3–10 days	1 kg foil pouch · 25 kg fiber drum

DESCRIPTION

A 70% oat beta-glucan concentrate for soluble fibre and viscosity, with the beta-glucan method, protein and ash data.

SWEETNESS

Not sweet at use levels

TASTE NOTE

Mild cereal note; used for fibre and body, not sweetness.

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Beta-glucan	≥70.0% (AOAC 995.16)	As stated
Dietary fibre	≥75.0% (AOAC 2009.01)	As stated
Appearance	Off-white to light brown powder	As stated
Moisture	≤6.0%	As stated
pH (1% suspension)	5.0–7.5	As stated
Solubility	Dispersible in water; viscosity depends on the grade	As stated
Particle size	≥95% through 80 mesh	As stated
Protein	≤8.0%	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	Beta-glucan ≥70% (AOAC 995.16)	Identity
Solubility	Dispersible in water; builds viscosity and can form a gel at higher concentrations.	Matrix dependent
Starting use level	0.5–5% in beverages and foods, depending on the fibre and viscosity target	Application dependent

PARAMETER	SPECIFICATION	METHOD / NOTE
pH behaviour	Stable across normal food pH; viscosity can change at extreme pH.	Matrix dependent

APPLICATIONS

- Beverages
- Bakery
- Dairy
- Supplements
- Cereal

AVAILABLE FORMS

- Powder, 80 mesh
- Granular
- Dispersion grade

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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