Beta-Glucan

$(C_6H_{10}O_5)_n$ · CAS 9041-22-9 · Yeast-derived β-1,3/1,6-glucan, powder

CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION

CHEMICAL FORM	FORMULA	CAS	PRIMARY ASSAY
Yeast-derived β-1,3/1,6-glucan, powder	$(C_6H_{10}O_5)_n$	9041-22-9	≥70% (enzymatic)
METHOD	**MINIMUM ORDER**	**LEAD TIME**	**STANDARD PACK**
HPLC and enzymatic assay	1 kg	1–7 days	1 kg foil pouch · 25 kg fiber drum

DESCRIPTION

Yeast-derived β-1,3/1,6-glucan specified at ≥70% β-glucan, with moisture, ash and protein; the source and the linkage ratio are part of the specification.

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
β-Glucan content	≥70% (enzymatic)	As stated
Appearance	Off-white to light brown powder	As stated
Identification	Enzymatic and HPLC conform	As stated
Moisture	≤6.0%	As stated
Ash	≤3.0%	As stated
Protein	≤5.0%	As stated
Heavy metals	Pb ≤3 · As ≤2 · Cd ≤1 · 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 set	β-Glucan ≥70% (yeast, 1,3/1,6)	Identity
Solubility	Dispersible in water; the powder forms a viscous suspension at higher concentrations.	Matrix dependent

APPLICATIONS

- Capsules and tablets
- Powder sticks and drink mixes

AVAILABLE FORMS

- Powder
- Granulated on request

PACKING

- 1 kg foil pouch

STORAGE

• 25 kg fiber drum	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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