Partially Hydrolyzed Guar Gum (PHGG)

Partially hydrolysed guar galactomannan · CAS 9000-30-0 (guar gum basis) · Partially hydrolysed guar gum, spray-dried powder

CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION

IDENTITY / FORM	FORMULA	CAS	PRIMARY ASSAY
Partially hydrolysed guar gum, spray-dried powder	Partially hydrolysed guar galactomannan	9000-30-0 (guar gum basis)	≥85.0% (AOAC 2009.01)
METHOD	**MINIMUM ORDER**	**LEAD TIME**	**STANDARD PACK**
AOAC 2009.01 and HPLC-RI sugar profile	1 kg	3–10 days	1 kg foil pouch · 25 kg fiber drum

DESCRIPTION

A partially hydrolyzed guar gum for soluble fibre without viscosity, with the fibre method, DP profile and low-viscosity behaviour stated.

SWEETNESS

<5% of sucrose; essentially non-sweet

TASTE NOTE

Clean, almost neutral; useful where the fibre must not change the flavour or the viscosity.

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Dietary fibre	≥85.0% (AOAC 2009.01)	As stated
Appearance	White to off-white powder	As stated
Moisture	≤6.0%	As stated
pH (1% solution)	4.0–7.0	As stated
Solubility	Soluble in water; low viscosity	As stated
Particle size	≥95% through 80 mesh	As stated
Ash	≤1.0%	As stated
Viscosity	Low; specified for the grade	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	PHGG fibre ≥85%, low viscosity	Identity
Solubility	Soluble in water; low viscosity compared with native guar gum.	Matrix dependent
Starting use level	2–10% in beverages and foods, depending on the fibre target	Application dependent

PARAMETER	SPECIFICATION	METHOD / NOTE
pH behaviour	Stable across normal food pH; acidic systems should be tested.	Matrix dependent

APPLICATIONS

- Beverages
- Dairy
- Supplements
- Bakery
- Confectionery

AVAILABLE FORMS

- Spray-dried powder
- Granular
- Instant 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.

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