Acacia Gum (Gum Arabic)

Acacia senegal polysaccharide · CAS 9000-01-5 · Spray-dried acacia gum powder

CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION

IDENTITY / FORM	FORMULA	CAS	PRIMARY ASSAY
Spray-dried acacia gum powder	Acacia senegal polysaccharide	9000-01-5	≥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 spray-dried acacia gum for soluble fibre, emulsion stability and low viscosity, with the fibre method and viscosity data stated.

SWEETNESS

<5% of sucrose; essentially non-sweet

TASTE NOTE

Almost neutral with a faint gum note; used for body and emulsion stability, not sweetness.

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Dietary fibre	≥85.0% (AOAC 2009.01)	As stated
Appearance	White to cream-coloured powder	As stated
Moisture	≤8.0%	As stated
pH (10% solution)	4.0–6.5	As stated
Solubility	Soluble in water; low viscosity	As stated
Particle size	≥95% through 80 mesh	As stated
Ash	≤4.0%	As stated
Viscosity	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	Acacia fibre ≥85%, low-viscosity polysaccharide	Identity
Solubility	Soluble in water; low viscosity even at high solids.	Matrix dependent
Starting use level	1–10% in beverages and foods, depending on the fibre and texture target	Application dependent

PARAMETER	SPECIFICATION	METHOD / NOTE
pH behaviour	Stable across a wide pH range; acidic systems should be tested for viscosity.	Matrix dependent

APPLICATIONS

- Beverages
- Dairy
- Bakery
- Confectionery
- Supplements

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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