Pectin (HM/LM)

Partially methylated polygalacturonic acid · CAS 9000-69-5 · High-methoxyl or low-methoxyl pectin powder

INDICATIVE SPECIFICATION — CONFIRMED IN WRITING AT QUOTATION

IDENTITY / FORM	FORMULA	CAS	PRIMARY ASSAY
High-methoxyl or low-methoxyl pectin powder	Partially methylated polygalacturonic acid	9000-69-5	≥65.0% (dry basis)
METHOD	**MINIMUM ORDER**	**LEAD TIME**	**STANDARD PACK**
AOAC 2009.01 and galacturonic acid titration	1 kg	3–10 days	1 kg foil pouch

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Galacturonic acid	≥65.0% (dry basis)	Specification
Degree of esterification	HM 55–75%; LM 20–45%	Specification
Dietary fibre	≥65.0% (AOAC 2009.01)	Specification
Appearance	White to light brown powder	Specification
Moisture	≤8.0%	Specification
pH (1% solution)	3.0–5.0	Specification
Solubility	Soluble in water; gelation depends on the DE and the calcium	Specification
Particle size	≥95% through 80 mesh	Sieve
Heavy metals	Pb ≤0.5 · As ≤0.5 · Cd ≤0.5 · Hg ≤0.1 mg/kg	Specification
Microbiology	APC ≤1,000 cfu/g · yeast and mould ≤100 cfu/g · E. coli and Salmonella absent	Specification
Marker / profile	Galacturonic acid ≥65%, DE as specified	Identity / ratio
Appearance	White to light brown powder	Visual
Solubility	Soluble in water; HM pectin gels with acid and sugar, LM pectin with calcium.	Matrix dependent
Standard packaging	1 kg foil pouch · 25 kg fiber drum	Food-grade liner

APPLICATIONS

- Jams and fruit
- Beverages
- Confectionery

AVAILABLE FORMS

- Powder, 80 mesh
- Granular
- Instant powder

- Dairy
- Bakery

WHAT TO CONFIRM BEFORE ORDERING

- Confirm the exact identity, carrier and particle size for Pectin (HM/LM) before the first order.
- Taste at the target sucrose equivalence in the real matrix, not in water alone.

> **Indicative document.** This sheet describes the grade we can quote; it is not a batch COA and does not confirm a result for a specific lot. Final specification, contaminant limits and documentation are agreed in writing before the order. The identity, assay basis, profile and method are release parameters, not marketing descriptions.

DOCUMENTATION RELEASED WITH EACH LOT

DOCUMENT	CONTENT	SCOPE
Certificate of analysis	Assay, identity, physical parameters, contaminant panel and the release decision for the lot.	Batch-specific
Technical data sheet	Identity, form, CAS, specification ranges, solubility, bulk density, storage and packing.	Product-level
Safety data sheet	Sixteen sections covering hazards, handling, storage, transport and emergency response.	Grade-specific
Allergen and GMO statements	Major allergens, gluten, animal-derived inputs and GMO status.	Batch-specific
Origin and traceability record	Manufacturing site and the link between the lot and the retained sample.	Batch-specific
Residual-solvent statement	The crystallisation system and the solvent class, where applicable.	Batch-specific

HOW TO REQUEST THIS GRADE

01 · BRIEF

Send the target specification, quantity, application and destination market.

02 · COUNTER-SPEC

We confirm what can be matched and the documents available for the grade.

03 · SAMPLE & QUOTE

A sample with its own COA, followed by packing, lead time and terms in writing.

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