Isomaltooligosaccharide (IMO) 90%

$(C_6H_{10}O_5)n$, α-1,6-linked · CAS — · Isomaltooligosaccharide powder or syrup

CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION

IDENTITY / FORM	FORMULA	CAS	PRIMARY ASSAY
Isomaltooligosaccharide powder or syrup	$(C_6H_{10}O_5)n$, α-1,6-linked	—	≥90.0% (HPLC-RI)
METHOD	**MINIMUM ORDER**	**LEAD TIME**	**STANDARD PACK**
HPLC-RI and AOAC 2009.01	1 kg	3–10 days	1 kg foil pouch · 25 kg fiber drum

DESCRIPTION

An IMO 90% powder or syrup for soluble fibre, body and mild sweetness, with the fibre method, sugar profile and physical data stated before the trial.

SWEETNESS

40–60% of sucrose, indicative

TASTE NOTE

Mild, clean sweetness with a slight body; less sweet than sucrose.

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
IMO (dry basis)	≥90.0% (HPLC-RI)	As stated
Dietary fibre	≥85.0% (AOAC 2009.01)	As stated
Appearance	White to light yellow powder or syrup	As stated
Moisture	≤5.0% (powder)	As stated
pH (10% solution)	4.0–6.5	As stated
Solubility	Freely soluble in water	As stated
Particle size	≥95% through 80 mesh	As stated
Ash	≤0.5%	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	IMO ≥90%, fibre ≥85% (AOAC 2009.01)	Identity
Solubility	Freely soluble in water; low viscosity at use levels.	Matrix dependent
Starting use level	3–10% in beverages and foods, depending on the fibre target	Application dependent

PARAMETER	SPECIFICATION	METHOD / NOTE
pH behaviour	Stable across normal food pH; acidic beverages need a shelf-life check.	Matrix dependent

APPLICATIONS

- Beverages
- Dairy
- Bakery
- Supplements
- Confectionery

AVAILABLE FORMS

- Powder, 80 mesh
- Syrup 75%
- Granular

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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