# Isomaltooligosaccharide (IMO) 90%

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

**INDICATIVE SPECIFICATION — 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 |

## SPECIFICATION

| PARAMETER | SPECIFICATION | METHOD / NOTE |
|---|---|---|
| IMO (dry basis) | ≥90.0% (HPLC-RI) | Analytical |
| Dietary fibre | ≥85.0% (AOAC 2009.01) | Specification |
| Appearance | White to light yellow powder or syrup | Specification |
| Moisture | ≤5.0% (powder) | Specification |
| pH (10% solution) | 4.0–6.5 | Specification |
| Solubility | Freely soluble in water | Specification |
| Particle size | ≥95% through 80 mesh | Sieve |
| Ash | ≤0.5% | Specification |
| 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 | IMO ≥90%, fibre ≥85% (AOAC 2009.01) | Identity / ratio |
| Appearance | White to light yellow powder | Visual |
| Solubility | Freely soluble in water; low viscosity at use levels. | Matrix dependent |
| Standard packaging | 1 kg foil pouch · 25 kg fiber drum | Food-grade liner |

## APPLICATIONS

- Beverages
- Dairy
- Bakery
- Supplements
- Confectionery

## AVAILABLE FORMS

- Powder, 80 mesh
- Syrup 75%
- Granular

## WHAT TO CONFIRM BEFORE ORDERING

- Confirm the exact identity, carrier and particle size for Isomaltooligosaccharide (IMO) 90% 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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