Inulin

$(C_6H_{10}O_5)n$ · CAS 9005-80-5 · Inulin, extracted chicory root fibre

SPECIMEN — LIMITS ONLY · BATCH RESULTS ISSUED WITH THE LOT

PRODUCT	IDENTITY / FORM	CAS	SPECIFICATION VERSION
Inulin	Inulin, extracted chicory root fibre	9005-80-5	Catalog · confirmed at quotation
BATCH NUMBER	**MANUFACTURE DATE**	**RETEST DATE**	**RELEASE DECISION**
Issued with the lot	Issued with the lot	Issued with the lot	Issued with the lot

RELEASE SPECIFICATION

PARAMETER	SPECIFICATION	METHOD
Inulin (dry basis)	≥90.0% (HPLC-RI)	As stated
Dietary fibre	≥90.0% (AOAC 997.08 or equivalent)	As stated
Degree of polymerisation	DP 2–60, average 10–12	As stated
Appearance	White to off-white powder	As stated
Moisture	≤5.0%	As stated
pH (10% solution)	4.5–7.0	As stated
Solubility	Soluble in water; viscosity depends on chain length	As stated
Particle size	≥95% through 80 mesh	As stated
Bulk density	0.40–0.70 g/mL	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	Inulin ≥90%, fibre ≥90%, DP 2–60	Identity
Solubility	Soluble in water; longer-chain inulin builds viscosity and shorter chains are more soluble and sweeter.	Matrix dependent

LOT FIELDS

A batch-specific certificate replaces the fields above with the measured result, the method actually used, the batch number, the manufacture and retest dates, and the release signature. The catalog limits on this page are the release window, not a result.

STATEMENT

This specimen shows the format and the release specification. It is not a batch COA and must not be presented as one. The COA that ships with a lot is issued from the released batch and is available before dispatch.

Pack and storage. 1 kg foil pouch · 25 kg fiber drum. Store closed in a cool, dry place, away from direct sunlight and moisture. The lot-specific retest date is shown on the batch certificate.

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