Hydrogenated Starch Hydrolysates (HSH)

Hydrogenated starch hydrolysate mixture · CAS — · Polyglycitol syrup, 75% solids

CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION

IDENTITY / FORM	FORMULA	CAS	PRIMARY ASSAY
Polyglycitol syrup, 75% solids	Hydrogenated starch hydrolysate mixture	—	≥95.0% (HPLC-RI)
METHOD	**MINIMUM ORDER**	**LEAD TIME**	**STANDARD PACK**
HPLC-RI for the polyol distribution	1 kg	3–10 days	1 kg foil pouch · 25 kg fiber drum

DESCRIPTION

A hydrogenated starch hydrolysate syrup for sugar-free candy, bakery and ice cream, specified by the polyol distribution, solids and viscosity.

SWEETNESS

30–50% of sucrose, indicative

TASTE NOTE

Mild sweetness with body and humectancy; less cooling than erythritol or xylitol.

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Total polyols (dry basis)	≥95.0% (HPLC-RI)	As stated
Solids	74.0–76.0% (refractometer)	As stated
Sorbitol	10.0–20.0% (HPLC-RI)	As stated
Maltitol	30.0–50.0% (HPLC-RI)	As stated
Appearance	Colourless to light yellow syrup	As stated
pH (10% solution)	4.5–7.0	As stated
Ash	≤0.1%	As stated
Viscosity	Specified at 25 °C 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	Total polyols ≥95%, solids 74–76%	Identity
Solubility	Fully soluble in water; supplied as a syrup.	Matrix dependent
Starting use level	5–40% in sugar-free candy, bakery and ice cream, depending on the solids target	Application dependent

PARAMETER	SPECIFICATION	METHOD / NOTE
pH behaviour	Stable across normal food pH.	Matrix dependent

APPLICATIONS

- Sugar-free candy
- Bakery
- Ice cream
- Chews
- Tabletop

AVAILABLE FORMS

- Syrup 75%
- Powder on request
- Custom solids

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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