

ISOMALT GS (all solid types)

Description

- Isomalt is a mixture of hydrogenated saccharides. Main components are 6-O- α -D-glucopyranosyl-D-sorbitol (1,6-GPS) and 1-O- α -D-glucopyranosyl-D-mannitol (1,1-GPM).
- ISOMALT GS is a crystalline isomalt.

Specifications

Physical and Chemical Parameters

Parameter	Limit	Unit	Method
Water ¹	max. 4.0	g/100 g	Karl Fischer titration
GPM + GPS ^{1,2}	min. 98	g/100 g d.m.	DIN EN 15086: 2006
of which GPS ¹	75 - 80	%	DIN EN 15086: 2006
D-mannitol ¹	max. 0.5	g/100 g d.m.	DIN EN 15086: 2006
D-sorbitol ¹	max. 0.5	g/100 g d.m.	DIN EN 15086: 2006
Reducing sugars (as glucose) ¹	max. 0.2	g/100 g d.m.	ICUMSA GS2/9-6, adapted
Conductivity ¹	max. 20	μScm^{-1}	ICUMSA GS2/3/9-17, adapted
Ash	max. 0.02	g/100 g d.m.	calculated from conductivity
Arsenic ¹	max. 0.2	mg/kg d.m.	ICUMSA GS2/3-23
Nickel ¹	max. 1	mg/kg d.m.	Ph. Eur. 2.4.15
Lead ¹	max. 0.2	mg/kg d.m.	ICUMSA GS2/3-24
Total heavy metals (as lead) ¹	max. 10	mg/kg d.m.	FCC

¹ on Confirmation of Conformity

² sum ≥ 98 % corresponding to not less than 98 % total hydrogenated mono- and disaccharides