

Technical Data Sheet

Version: 1.0 EN

Dextrose monohydrat

Article number: D10239

General Information

Origin	Dextrose monohydrate is the crystallised form of glucose, which is obtained from starch as a sweet-tasting carbohydrate.
CAS Number	77938-63-7, 14431-43-7, 50-99-7
EC Number	616-580-9, 604-408-5, 200-075-1
Molecular Formula	C ₆ H ₁₂ O ₆
Appearance	White crystalline powder
Packaging	25 kg bags and small containers
Shelf life	12 months
Applications	Use in food
Allergens	None of the 14 major allergens added or contained. Made from corn and/or wheat starch; gluten content is < 20 mg/kg. Therefore, no allergen labelling is required.
Compliance	FCC; CXS 212-1999; Council directive 2001/111/EC

Specification Values

Parameters	Value
Loss on drying	< 9.1% (w/w)
Specific rotation	52.6 – 53.2°
Dextrose equivalent	99.5 – 100.5% (w/w)
Ignition residue	< 0.1% (w/w)
SO ₂	< 10 mg/kg
Soluble starch	Complies with requirements
Chlorides	< 180 mg/kg
Arsenic	< 1 mg/kg
Lead	< 0.1 mg/kg
Total bacterial count	< 1000 CFU/g
Yeast count	< 10/g
Mould count	< 10/g

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E. coli	Not detectable in 1 g
Salmonella	Not detectable in 25 g

Sieve grain size fraction

Residue to 315 µm	< 7 %
Residue to 250 µm	< 25 %
Residue to 100 µm	> 10 %

Nutritional Values

	Average Values (per 100g / 100ml)
Energy (kJ)	1555
Energy (kcal)	365
Fat (g)	< 0.1
- Of which saturated fats (g)	0
Carbonhydrates (g)	91.5
- Of which sugars (g)	0
Fibre (g)	0
Protein (g)	< 0.1
Salt (g)	0.00113

Additional Information

All details are based on our current state of knowledge and are not transferable to other products. They do not constitute a warranty or guarantee of specific properties or suitability for particular applications. Each use of our supplied products must be tested in the respective application and checked for any existing property rights. Color and form of the product may slightly vary within a production batch due to the manufacturing process.

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