

Product name:

Dextrose monohydrate

Synonyms: D-(+)-Glucose monohydrate

CAS number: 5996-10-1

<i>General information:</i>		
	Chemical formula: $C_6H_{12}O_6 \cdot H_2O$	Molar Mass: 198.20 g/mol
	Appearance: White crystalline powder	Density: 1.54 g/cm ³
	Solub. in water: 1000 g/l	Melting point: 83 °C
	Bulk density: 630 kg/m ³	pH value : 6-7 (H ₂ O, 20 °C)
	Storage temp.: +15°C to +25°C	Cautions: Not a hazardous substance
	R: N/A	S: N/A
	HS-No.: 2924 19 00	EC Number: 200-075-1

Hazard Symbol

Safety Information

Grade

Standard Material

<i>Specification:</i>				
	Description		Conforms	
	Solubility		Conforms	
	Specific optical rotation ($[\alpha]_{20/D}$; 10% in water: on anhydrous substance)		+52.5 to +53.3	°
	Heavy metal	≤	0.001	%
	Maltose	≤	0.02	%
	Water		7.0 – 9.5	%

Ordering code	10 g	25 g	50 g	100 g	250g
P.E.					
Glass				491.17.00100.01	