

Product name:

Lactose monohydrate

Synonyms: Milk sugar, Lactobiose

CAS number: 10039-26-6

General information:		
	Chemical formula: $C_{12}H_{22}O_{11} \cdot H_2O$	Molar Mass: 360.32 g/mol
	Appearance: White Crystalline powder	Bulk density: 500 kg/m ³
	Solub. in water: 161 g/l	Melting point: 202 °C
	Ignition temperature: 390 °C	pH value : 4.0 - 6.5(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.: 1702 11 00	EC Number: 200-559-2

Hazard Symbol

Safety Information

Grade

Standard Material

Specification:				
	Description		Conforms	
	Solubility		Conforms	
	Specific optical rotation		+54.4 to +55.9	°
	Sulfated ash	≤	0.5	%
	Water		4.5-5.5	%
	Heavy metal (as Pb)	≤	0.0005	%
	Arsenic (As)	≤	0.0001	%
	Copper (Cu)	≤	0.0025	%
	Lead (Pb)	≤	0.00005	%
	Zinc (Zn)	≤	0.0025	%
	Loss on drying (80 °C ,2hr)	≤	0.5	%
	Matter extractable with ethanol	≤	0.4	%

Ordering code	10 g	25 g	50 g	100 g	250g
P.E.					
Glass				503.17.00100.01	