



## LACTOSE

<b>PRODUCT CODE</b>	<b>R01263</b>
<b>SYNONYMS</b>	( $\alpha$ -Lactose Monohydrate)
<b>C.I. NO.</b>	--
<b>CASR NO.</b>	(10039-26-6)
<b>ATOMIC OR MOLECULAR FOF MULA</b>	$C_{12}H_{22}O_{11} \cdot H_2O$
<b>ATOMIC OR MOLECULAR WEIGHT</b>	360.31
<b>PROPERTIES</b>	Sweet taste; Odorless; Stable in air.

PARAMETER	LIMIT
Description	A white to almost white crystalline powder.
Solubility	10% solution in hot water (50°C) is clear.
Minimum assay (by GC)	99.0%
Specific Rotation $[\alpha]_D^{20}$ (C=10%, in water, Calc.on anhydrous subs.)	+54.4° to +55.9°

### MAXIMUM LIMIT OF IMPURITIES

Sulphated ash	0.1%
Uncombined water	1.0%
Arsenic (As)	0.0001%
Lead (Pb)	0.0002%

**Note(s) : 1] Assay (if applicable) method mentioned.**

#### WARNING

**Hazard statements :** Not hazardous. No hazards.

#### Precautionary statements

**Prevention: -----**

**Response: ----.**

**Disposal: -----**

IMDG Code : UN

No. :

IATA :

Hazard Pictogram(s) :



Replace Date 1 April 2023

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