

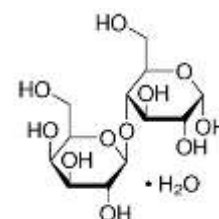


Product Specification

cdhfinechemical.com

LACTOSE MONOHYDRATE

PRODUCT CODE	H34095
SYNONYMS	(α -Lactose monohydrate)
C.I. NO.	--
CASR NO.	(10039-26-6/64044-51-5)
ATOMIC OR MOLECULAR FORMULA	$C_{12}H_{22}O_{11} \cdot H_2O$
ATOMIC OR MOLECULAR WEIGHT	360.31
PROPERTIES	Sweet taste; Odorless; Stable in air. Insoluble in chloroform and ether.



PARAMETER	LIMIT
Description	A white to almost white crystalline powder.
Solubility	10% solution in hot water (50°C) is clear.
IR Identification Test	Matches with standard
Minimum assay (by GC)	99.0%
Specific Rotation [α] 20° D (C=10%, in water & 0.2 ml dil. NH ₃)	+54.4° to +55.9°

MAXIMUM LIMIT OF IMPURITIES

Residue on ignition	0.1%
Loss on drying	1.0%
Heavy metals (as Pb)	0.0005%
Acidity or alkalinity	0.3ml
Water (KF)	4.5 - 5.5%
Absorbance (A) of 1% aq. solution in a 1cm cell v/s H ₂ O	
@210–220nm	0.25
@270–300nm	0.07

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) :