



# Product Specification

cdhfinechemical.com

## LACTOSE MONOHYDRATE BACTERIOLOGICAL GRADE

<b>PRODUCT CODE</b>	<b>BA2565</b>
<b>SYNONYMS</b>	-
<b>C.I. NO.</b>	-
<b>CASR NO.</b>	<b>64044-51-5</b>
<b>ATOMIC OR MOLECULAR FORMULA</b>	<b>C<sub>12</sub>H<sub>22</sub>O<sub>11</sub>.H<sub>2</sub>O</b>
<b>ATOMIC OR MOLECULAR WEIGHT</b>	<b>360.31</b>
<b>PROPERTIES</b>	
<b>PARAMETER</b>	<b>LIMIT</b>
Description	A white to almost white crystalline powder
Solubility	10% solution in hot water (50°C) is clear
Clarity	1% w/v aqueous solution is clear, without any haziness.
Minimum Assay (GC)	99.0%
pH (2% in water at 25°C)	4.00 - 6.00
Specific rotation (c = 10% in water)	+52.00 to +54.00°
<b>MAXIMUM LIMIT OF IMPURITIES</b>	
Chloride (Cl)	0.05%
Calcium (Ca)	0.001%
Heavy metal (as Pb)	0.0005%
Iron (Fe)	0.0005%
Sulphate (SO <sub>4</sub> )	0.05%
<b>Note(s) : Assay (if applicable) method mentioned.</b>	
<b>DANGER--</b> <b>Hazard statements : --</b> <b>Precautionary statements--</b> <b>Prevention: --</b> <b>Response: --</b>	IMDG Code : UN No. : IATA :
<b>Disposal: --</b>	
Hazard Pictogram(s) :-	