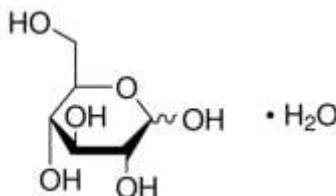


## DEXTROSE MONOHYDRATE AR FOR MICROBIOLOGY

<b>PRODUCT CODE</b>	<b>506260</b>	
<b>SYNONYMS</b>	(D(+))Glucose monohydrate)	
<b>C.I. NO.</b>	--	
<b>CASR NO.</b>	(14431-43-7)	
<b>ATOMIC OR MOLECULAR FORMULA</b>	$C_6H_{12}O_6 \cdot H_2O$	
<b>ATOMIC OR MOLECULAR WEIGHT</b>	198.17	
<b>PROPERTIES</b>	White granular powder, odourless and sweet test	
<b>PARAMETER</b>	<b>LIMIT</b>	
Description	White crystalline powder.	
Solubility	10% solution in water is clear and colourless.	
Identification (FTIR)	Conforms	
Minimum assay (GC)	99.0%	
Specific Rotation ( $\alpha$ ) <sub>D</sub> <sup>20</sup> (C=10 H <sub>2</sub> O on dried sub.)	+52.5° to +53°	
pH of 10% solution in water	Min. 4.5	
<b>MAXIMUM LIMIT OF IMPURITIES</b>		
Residue on ignition	0.03%	
Water	7.5 - 9.5%	
Water insoluble matter	0.003%	
Acidity or alkalinity	Passes test.	
Chloride (Cl)	0.0025%	
Sulphate (SO <sub>4</sub> )	0.0025%	
Sulphite (SO <sub>2</sub> )	0.0005%	
Arsenic (As)	0.00002%	
Copper (Cu)	0.0001%	
Iron (Fe)	0.0001%	
Heavy metals (Pb)	0.0001%	
Maltose (TLC)	0.2%	
Foreign sugars soluble starch & dextrin	Passes test.	
<b>Note(s) : Assay (if applicable) method mentioned.</b>		
<b>WARNING</b> <b>Hazard statements:</b> Not hazardous. No hazards. <b>Precautionary statements</b> <b>Prevention:</b> ----- <b>Response:</b>		IMDG Code : UN No. : IATA :
<b>Disposal:</b> : -----		
Hazard pictogram(s) :		

Replace date 01-Sep-2022