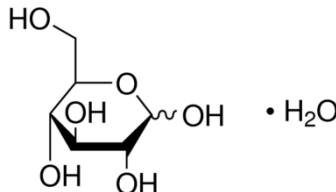


DEXTROSE MONOHYDRATE AR FOR MICROBIOLOGY

PRODUCT CODE	506260	
SYNONYMS	(D(+))Glucose monohydrate)	
C.I. NO.	--	
CASR NO.	(14431-43-7)	
ATOMIC OR MOLECULAR FORMULA	$C_6H_{12}O_6 \cdot H_2O$	
ATOMIC OR MOLECULAR WEIGHT	198.17	
PROPERTIES	White granular powder, odourless and sweet test	
PARAMETER	LIMIT	
Description	White crystalline powder.	
Solubility	10% solution in water is clear and colourless.	
Identification (FTIR)	Conforms	
Specific Rotation (α) _D ²⁰ (C=10 H ₂ O on dried sub.)	+52.5° to +53°	
pH of 10% solution in water	Min. 4.5	
MAXIMUM LIMIT OF IMPURITIES		
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 ₄)	0.0025%	
Sulphite (SO ₂)	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.	
Note(s) : Assay (if applicable) method mentioned.		
WARNING Hazard statements: Not hazardous. No hazards. Precautionary statements Prevention: ----- Response:		IMDG Code : UN No. : IATA :
Disposal: : -----		
Hazard pictogram(s) :		