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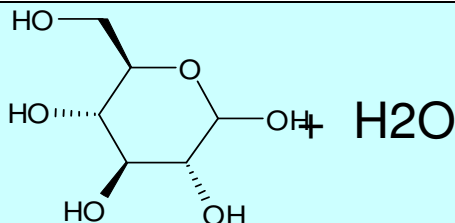
Quality Control Dept.



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Product Specification

E Control	QC2\DATAD\D:\PS\20812XPS.xls
PRODUCT CODE	20812
PRODUCT NAME	DEXTROSE MONOHYDRATE AR
SYNONYMS	(D(+))Glucose monohydrate)
C.I. NO.	--
CASR NO.	(14431-43-7)
ATOMIC OR MOLECULAR FORMULA	C ₆ H ₁₂ O ₆ .H ₂ O
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 +53.0°
pH of 10% solution in water	Min. 4.5
Residue on ignition	Max. 0.03%
Water	Max. 7.5 - 9.5
MAXIMUM LIMIT OF IMPURITIES	
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 statement: Not hazardous. No hazards. Precautionary statements Prevention: ----- Response: ----- Disposal: -----	IMDG Code :-- UN No. :-- IATA :--
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Hazard Pictogram(s) : ---

Prepared By : Name/Dept. : Officer (Q.A.) Sign. : Date : 01.04.2010	Checked By: Name/Dept.:Incharge(Q.A.) Sign. : Date : 01.04.2010	Approved By: Name/Dept. : Incharge (Tech.) Sign. : Date : 02.04.2010	Issue Date : 01.07.2002 Revision No.: 02 Revision dt. : 02.04.2010 AMEND NO. :1554
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