

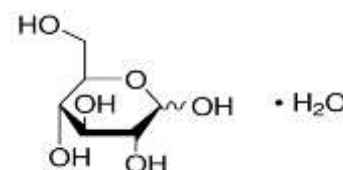


Product Specification

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DEXTROSE MONOHYDRATE MEETS TO IP TESTING SPECIFICATIONS

PRODUCT CODE	P12345
SYNONYMS	(D(+))Glucose monohydrate)
C.I. NO.	--
CASR NO.	(77938-63-7)
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 crystals or crystalline powder.
Solubility	10% solution in water is clear and colourless.
Identification 'A'	The spectrum of the sample should be concordant with spectrum of Dextrose IPRS or with the reference spectrum of Dextrose
Identification 'B'	Principal peak in the chromatogram obtained with the test solution should corresponds to the peak in the chromatogram obtained with the reference solutio
Appearance and odour of solution	The solution should be clear not more intensely coloured than reference solution BYS7 and is odourless.
Minimum assay (GC, on anhydrous basis)	97.5-102.0%
Specific Rotation (α) _D ²⁰ (C=10 H ₂ O on dried sub.)	+52° to +53°

MAXIMUM LIMIT OF IMPURITIES

Water	7.5 – 9.5%
Maltose and isomaltose	0.4%
Maltotriose	0.2%
Fructose	0.15%
Other impurities	0.1%
Total impurities	0.5%
Soluble starch, sulfites	15 ppm
Dextrin	The sample should dissolves completely
Arsenic	1 ppm
Conductivity	20 uScm-1

Note(s) : Assay (if applicable) method mentioned.

WARNING

Hazard statements: Not hazardous. No hazards.

Pracautionary statements

Prevention: -----

Response:

Disposal: : -----

IMDG Code :

UN No. :

IATA :

Hazard pictogram(s) :