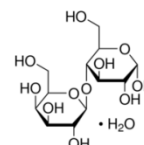


LACTOSE MONOHYDRATE FOR MOLECULAR BIOLOGY

PRODUCT CODE	951290
SYNONYMS	Milk sugar
C.I. NO.	--
CASR NO.	64044-51-5
ATOMIC OR MOLECULAR FORMULA	C₁₂H₂₂O₁₁·H₂O
ATOMIC OR MOLECULAR WEIGHT	360.31
PROPERTIES	Store below 30°C



PARAMETER	LIMIT
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Description	White to cream crystals or crystalline powder or solid.
Solubility	Soluble in water.
Minimum assay (HPLC)	99.50%
Specific rotation (α^{20}_D) (c = 10% in water)	+54.4° to +55.9°

MAXIMUM LIMIT OF IMPURITY

Water (K.F.)	4.0 - 6.0%
DNase, RNase	None detected

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

WARNING

Hazard statements: Not hazardous. No hazards.

Precautionary statements

Prevention: -----

Response: -----

Disposal:-----

Hazard Pictogram(s) :-----

IMDG Code : --
UN No. : --
IATA : --

Replace date 20-June-2023