

## D (+) TREHALOSE

PRODUCT CODE	038063
SYNONYMS	$\alpha$ -D-Glucopyranosyl- $\alpha$ -D-glucopyranoside; $\alpha$ , $\alpha$ -Trehalose.
C.I. NO.	--
CASR NO.	(6138-23-4)
ATOMIC OR MOLECULAR FORMULA	$C_{12}H_{22}O_{11} \cdot 2H_2O$
ATOMIC OR MOLECULAR WEIGHT	378.33
PROPERTIES	--
PARAMETER	LIMIT
Description	White fine powder.
Solubility	5% solution in water is clear and colourless.
Identification (by FTIR)	Conforms.
Minimum Assay (GC/HPLC)	99%
Specific rotation $[\alpha]_D^{20}$ (C=2, in water)	$179 \pm 3^\circ$
MAXIMUM LIMIT OF IMPURITIES	
Loss on drying (at 130°C)	9.0 - 10.0%
Lead (Pb)	0.001%
Sulphated ash	0.2%
Note(s) :] Assay (if applicable) method mentioned.	
<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> : The chemical should be mixed with combustible solvent and burnt in a chemical incinerator equipped with burner and scrubber.	
Hazard Pictogram(s) :-	

Replace Date 20-Dec-2024