

D (+) TREHALOSE

PRODUCT CODE	038063
SYNONYMS	α -D-Glucopyranosyl- α -D-glucopyranoside; α , α -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%
pH (5% solution water)	5.0-7.0
Melting range	97-99°C
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%
Chloride (Cl)	0.01%
Sulphate (SO ₄)	0.01%
Note(s) :] Assay (if applicable) method mentioned.	
WARNING Hazard statements : Not hazardous. No hazards. Precautionary statements Prevention : ----- Response : ---	IMDG Code : UN No. : IATA :
Disposal : The chemical should be mixed with combustible solvent and burnt in a chemical incinerator equipped with burner and scrubber.	
Hazard Pictogram(s) :-	

Replace Date 30-Sep-2025