



### SPECIFICATION SHEET

Product Name : Sucrose, Ph Eur, USP  
Product Number : 970.053  
Brand : ISOLAB  
CAS Number : 57-50-1  
Formula :  $C_{12}H_{22}O_{11}$   
Formula Weight : 342.30 g/mol

TEST NAME	SPECIFICATION	UNIT
Appearance	White, close to white or colorless crystals	-
Solubility	Completely soluble in water. Less solubility in Ethanol (96%). Insoluble in absolute ethanol	-
Specific Rotation	66.3 - 67.0 °	°
Sulfated Ash	≤ 0.05 %	%
Sulfate	≤ 0.006 %	%
Invert sugar	< 112 mg (CuO)	mg
Chloride	≤ 0.0035 %	%
Sulphite	≤ 10 ppm	ppm
Calcium	The solution should be transparent during Min. 1 minute	-
Appearance of solution	The solution S must be transparent	-
Heavy Metals	≤ 5 ppm	ppm
Colour	≤ 45 IU	IU
Conductivity	≤ 35 $\mu S.cm^{-1}$	$\mu S.cm^{-1}$
Loss on Drying	≤ 0.1 %	%
Reducing sugars	Blue color never disappear. The blue color of solution occurs on the surface touches air disregards	-
Dextrin	The solution must be yellow	-

Quality Management  
Isolab Laborgerate GmbH

