

## 4702 – SUCROSE, ACS GRADE

REF NO: TBL/QA/SS/LC/4702	<b>STANDARD SPECIFICATION FOR SUCROSE, ACS GRADE</b>	Rev. No: 03
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### PRODUCT PROPERTIES

C.A.S Number	57-50-1
Chemical Formula	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub>
Formula weight	342.30
Functional Uses	Laboratory Chemicals uses.
Standard Packaging	500 gm.

### PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White crystals/crystalline powder.
Solubility (2M aqueous solution)	Soluble, clear colourless solution.

### CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Specific rotation	66.4° – 66.6°
Insoluble matter	NMT – 0.003%
Loss on Drying (at 105°C)	NMT – 0.03%
Sulphated ash	NMT – 0.005%
Titration acid	NMT – 0.0008 meq/g
Chloride (Cl)	NMT – 0.0005%
Sulphate & sulphite (SO <sub>4</sub> )	NMT – 0.002%
Invert sugar	NMT – 0.05%
Heavy Metals (Pb)	NMT – 0.0001%
Iron (Fe)	NMT – 0.0001%
Copper (Cu)	NMT – 0.0001%
Reducing sugars (C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> )	NMT – 0.01%

**NOTE:** Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

