



Pentagon Chemicals

(Traders, Exporters-Importers all kind of Industrial Chemicals, Acids,

No.7, Thiruverkadu Main Road, Near Ambattur Industrial Estate,

Ayappakkam, Chennai-600 077 Tamilnadu State-South India

Ph No.91-044-26820071 Cell No.9444007960

E-mail: contact@pentagonchemical.com

Website: www.pentagonchemical.com

Sorbitol 70% (IP GRADE):

Shelf life: 3 years from Production Date

TEST	LIMITS
DESCRIPTION	A clear colourless to faintly yellow viscous liquid
Taste	Mild sweet
SPECIFIC GRAVITY AT 25°C	1.285 MIN
REFRACTIVE INDEX AT 20°C	1.455 TO 1.465
ACIDITY OR ALKALINITY	NMT 0.2ml of 0.01M NaOH or NMT 0.3ml of 0.01M HCL Solution as per specified test in I.P.
REDUCING SUGAR	0.2% Max
OPTICAL ROTATION	+1.5° TO +3.5° (as per specified test in I.P.)
CLARITY & COLOR	10% solution should be clear and colourless
ARSENIC	NMT 2ppm
HEAVY METALS	NMT 10ppm
CHLORIDE	NMT 50ppm
SULPHATE	NMT 125ppm
RESIDUE ON IGNITION	MT 0.1% W/W
SOLID MATTER	68% TO 72%W/W



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Specifications:	Non-Crystallizing Sorbitol	Crystallizing Sorbitol
Description	A clean colourless viscous liquid	A clear colourless viscous liquid
Taste Specific gravity at 25°C	Mild Sweet 1.285 min.	Mild Sweet 1.290 min
Refractive Index at 20°C	1.455 to 1.465	1.457 to 1.462
Acidity Or	*NMT 0.2 ml of 0.01 M Naoh or NMT 0.3 ml of 0.01M HCL Solution as per specified test in I.P	*NLT 12.8ml of 0.05M Sodium thiosulphate solution sh be consumed as per specified test in I.P
Optical Rotation	+1.5° to +3.5° (as per specified test in I.P.)	0° to +1.5° (as per specified test in I.P.)
Clarity & Colour	Clear and colourless	Clean and colourless
Arsenic	NMT 2 ppm	NMT 2ppm
Heavy Metals	NMT 10 ppm	NMT 10 PPM
Chloride	NMT 50 ppm	NMT 50 ppm
Sulphate	NMT 125 ppm	NMT 125 ppm
Nickel	NMT 1 ppm	NMT 1 ppm
Sulphated Ash	NMT 0.1% W/W	NMT 0.1% W/W
Solid Matter	68% to 72% W/W	69% to 71% W/W
Polyols	NLT 62% W/W As D-Sorbitol *NMT = NOT MORE THAN	68% to 72% W/W As D- Sorbitol *NLT = NOT LESS THAN

