

Product: Dextrose Monohydrate

CHARACTERISTICS	STANDARDS
Description	White Crystalline powder, free from visible specs, added colours, odourless
Identification test	Reduces fehling solution on boiling
Solubility	Freely soluble in water, easily soluble in boiling water and alcohol
Clarity 50% solution w/v	Clear
Loss on drying (% w/w)	7.00 – 9.00%
Sulphated ash (% on DB)	0.1% Max
Specific volume (packed)	135 – 155 ml /100 gm
Acidity (ml of 0.02N naOH/5 gms)	1.25 ml Max
Specific optical Rotation at 20°C (10% w/v solution)	+ 52.5° - +53.5°
Sulphur Dioxide ppm	70.0 Max
Dextrin & Less soluble sugars	Absent. A clear solution is obtained which does not produce any deposition on cooling
Chlorides ppm	100.0 Max
Sieve Analysis retention % (30#)	10% Max