

**DIMETHYL SULFOXIDE PH.EUR SPECIFICATION**

Sr.No.	Tests	Specifications
1	Appearance	Colourless liquid or colourless crystals, hygroscopic.
2	Solubility	Miscible with water and with ethanol (96%).
3	Identification (By IR)	The spectrum obtained with the substance to be examine corresponds in position & relative intensity to those in the spectrum obtained with that of Dimethyl sulfoxide CRS or its Working standard. (Purity index should not be less than 0.99).
4	Acidity	Not more than 5.0 ml of 0.01M Sodium hydroxide should be required to produce a pink colour.
5	Relative density at 20°C	1.100 to 1.104 at 20°C
6	Refractive index at 20 ± 0.5°C	1.478 to 1.480 at 20 ± 0.5°C
7	Freezing point	Minimum 18.3°C
8	Absorbance At 275 nm At 285 nm At 295 nm Between 270nm to 350 nm	Not more than 0.30 Not more than 0.20 Not more than 0.20 It shows no Absorption maximum.
9	Related substances (By GC) Total impurity	Not more than 0.1%
10	Water	Maximum 0.2%