

## SPECIFICATION

Dimethyl Sulfoxide  
for Biochemistry

REQUIREMENT	SPECIFICATION
Appearance	Colorless clear liquid
Solubility in water	to pass test
Density (20°C)	1.100~1.105g/mL
Freezing point	18~20°C
Refractive index 20°C	1.477~1.480
Absorbance (280nm)	max.0.20
Water	max.0.05%
Heavy metals	to pass test
Iron (Fe)	max.0.5ppm
Dimethyl sulfide [(CH <sub>3</sub> ) <sub>2</sub> S]	max.0.1%
Dimethyl sulfone [(CH <sub>3</sub> ) <sub>2</sub> SO <sub>2</sub> ]	max.0.1%
Methanethiol	to pass test (CH <sub>4</sub> S:max.about 0.01%)
Assay (capillary GC)	min.99.5%