

SPECIFICATION

Dimethyl Sulfoxide
for Molecular Biology

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 ₃) ₂ S]	max.0.1%
Dimethyl sulfone [(CH ₃) ₂ SO ₂]	max.0.1%
Methanethiol	to pass test (CH ₄ S:max.about 0.01%)
Deoxyribonuclease	to pass test
Ribonuclease	to pass test
Assay (capillary GC)	min.99.5%