

Code No.07-0498

SPECIFICATION

Gentamicin Sulfate

for Molecular Biology

REQUIREMENT	SPECIFICATION
Appearance	White ~ slightly brown, powder
Solubility in water	to pass test
Specific rotation $[\alpha]_{D20}(c=1, H_2O)$ (calculated on the dried basis)	+107~+121°
pH of a 40g/l solution at 25°C	3.5~5.5
Loss on drying at 110°C in vacuum	max.18.0%
Deoxyribonuclease	to pass test
Ribonuclease	to pass test
Thin layer chromatography test	under investigation
Potency (calculated on the dried basis)	min.590 μ g/mg

Source: Micromonospora purpurea