

Code No.07-0645

## SPECIFICATION

Gentamicin Sulfate  
for Cell Culture

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%
Thin layer chromatography test	to pass test
Potency (calculated on the dried basis)	min.590 $\mu$ g/mg

Source: Micromonospora purpurea