

Code No.07-0491

## 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                                                | under investigation            |
| Potency (calculated on the dried basis)                                       | min.590 $\mu$ g/mg             |

Source: Micromonospora purpurea