

## SPECIFICATION

CultureSureR Calcium Chloride, Animal-derived-free  
for Cell Culture

| REQUIREMENT                    | SPECIFICATION         |
|--------------------------------|-----------------------|
| Appearance                     | White, powder or mass |
| Assay (CaCl <sub>2</sub> )     | min.95.0%(mass/mass)  |
| Solubility in water            | to pass test          |
| pH of a 50g/L solution at 25°C | 8.0~10.0              |
| Sulfate (SO <sub>4</sub> )     | max.0.005%(mass/mass) |
| Nitrate (NO <sub>3</sub> )     | max.0.003%(mass/mass) |
| Phosphate (PO <sub>4</sub> )   | max.0.001%(mass/mass) |
| Sodium (Na)                    | max.0.01%(mass/mass)  |
| Potassium (K)                  | max.0.01%(mass/mass)  |
| Copper (Cu)                    | max.2ppm(mass/mass)   |
| Magnesium (Mg)                 | max.0.01%(mass/mass)  |
| Strontium (Sr)                 | max.0.01%(mass/mass)  |
| Barium (Ba)                    | max.0.006%(mass/mass) |
| Lead (Pb)                      | max.5ppm(mass/mass)   |
| Arsenic (As)                   | max.1ppm(mass/mass)   |
| Iron (Fe)                      | max.2ppm(mass/mass)   |
| Ammonium (NH <sub>4</sub> )    | max.0.001%(mass/mass) |
| Bacterial endotoxins           | less than 100.0EU/g   |
| Mycoplasma test                | to pass test          |
| Viable count test              | max.100CFU/g          |