

SPECIFICATION

CultureSureR L-Cystine Dihydrochloride, Animal-derived-free
for Cell Culture

| REQUIREMENT | SPECIFICATION |
|--|--------------------------------------|
| Description | White crystals or crystalline powder |
| Identification (1) | to pass test |
| Identification (2) | to pass test |
| Optical rotation [α]D ₂₀ (calculated on the dried basis) | -165~-177° |
| Purity | - |
| (1) Clarity and color of solution | to pass test |
| (2) Sulfates | max.0.028% |
| (3) Ammonium | max.0.02% |
| (4) Heavy metals | max.10ppm |
| (5) Iron | max.30ppm |
| (6) Arsenic | max.1ppm |
| (7) Foreign amino acids | to pass test |
| Loss on drying | max.1.0% |
| Residue on ignition | max.0.05% |
| Assay (calculated on the dried basis) | min.98.5% |
| Bacterial endotoxins | less than 10.0EU/g |
| Mycoplasma test | to pass test |
| Viable count test | max.100CFU/g |