

SPECIFICATION

CultureSureR L-Cysteine Hydrochloride Hydrate, 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)	+6.0~+7.5°
pH	1.3~2.3
Purity	-
(1) Clarity and color of solution	to pass test
(2) Sulfate	max.0.021%
(3) Ammonium	max.0.02%
(4) Heavy metals	max.10ppm
(5) Iron	max.10ppm
(6) Related substances	to pass test
Loss on drying	8.5~12.0%
Residue on ignition	max.0.1%
Assay (calculated on the dried basis)	98.5~101.0%
Bacterial endotoxins	less than 24.0EU/g
Mycoplasma test	to pass test
Viable count test	max.50CFU/g