

## SPECIFICATION

CultureSureR L-Glutamic Acid, Animal-derived-free  
for Cell Culture

REQUIREMENT	SPECIFICATION
Description	White crystals or crystalline powder
Identification	to pass test
Optical rotation [ $\alpha$ ]D20 (calculated on the dried basis)	+31.5~+32.5°
pH	2.9~3.9
Purity	-
(1) Clarity and color of solution	to pass test
(2) Chloride	max.0.021%
(3) Sulfates	max.0.028%
(4) Ammonium	max.0.02%
(5) Heavy metals	max.10ppm
(6) Iron	max.10ppm
(7) Related substances	to pass test
Loss on drying	max.0.3%
Residue on ignition	max.0.1%
Assay (calculated on the dried basis)	99.0~101.0%
Bacterial endotoxins	less than 25.0EU/g
Mycoplasma test	to pass test
Viable count test	max.50CFU/g