

## SPECIFICATION

CultureSureR L-Asparagine Monohydrate, Animal-derived-free  
for Cell Culture

REQUIREMENT	SPECIFICATION
Description	White crystals or crystalline powder
Identification	to pass test
Optical rotation [ $\alpha$ ]D <sub>20</sub> (after drying)	+34.2~+36.5°
Purity	-
(1) Clarity and color of solution	to pass test
(2) Chloride	max.0.021%
(3) Sulfates	max.0.028%
(4) Heavy metals	max.10ppm
(5) Iron	max.10ppm
(6) Arsenic	max.1ppm
(7) Foreign amino acids	to pass test
Loss on drying	11.5~12.5%
Residue on ignition	max.0.10%
Assay (after drying)	min.98.5%
Bacterial endotoxins	less than 25.0EU/g
Mycoplasma test	to pass test
Viable count test	max.50CFU/g