

## SPECIFICATION

CultureSureR Calcium (+)-Pantothenate, Animal-derived-free  
for Cell Culture

REQUIREMENT	SPECIFICATION
Description	White powder
Identification (1)	to pass test
Identification (2)	to pass test
Optical rotation [ $\alpha$ ]D20 (calculated on the dried basis)	+25.0~+28.5°
Purity	-
(1) Heavy metals	max.20ppm
(2) Related substances	to pass test
(3) Alkaloids	to pass test
Loss on drying	max.5.0%
Assay (HPLC) (calculated on the dried basis)	98.0~102.0%
Bacterial endotoxins	less than 50.0EU/g
Mycoplasma test	to pass test
Viable count test	max.100CFU/g