COSMO BIO CO., LTD.
Inspiration for Life Science

Certificate of Analysis

Product Name: Fluoresceinamine-Labeled Sodium Chondroitin Sulfate E (Squid Cartilage)
Code Number (Outside Japan): CSR-FACS-E2(SqC)3
Code Number (Japan): FACS-E2(SqC)3
Lot Number: 20J618
Labeled Content: 3 mg/vial
Date: 2020/10/23
Remark: Specifications are to be modified without notice.

	Result	Specification	Method
Appearance	yellow－orange amorphous block or powder (lyophilizate)	yellow－orange amorphous block or powder (lyophilizate)	—
Content	3.6 mg/vial	2.7－3.6 mg/vial	1)
Mw by GPC	52×10^3	—	—
Degree of Substitution*	0.9%	0.6－1.2%	2)
Detection Limit on a Trans- Illuminator	50 ng/spot (The image below)	≦100 ng/spot	—
Maximum Wavelength of Excitation	488 nm	485－500 nm	—
Maximum Wavelength of Emission	516 nm	510－525 nm	—
Fluorescent Purity on Electrophoresis	no fluorescent bands other than the principal band appears	no fluorescent bands other than the principal band appears	3)

Mw: Molecular Weight, GPC: Gel Permeation Chromatography
*Degree of Substitution was expressed as the molar percentage of bound fluoresceinamine groups to disaccharide units.



50 ng/spot　100 ng/spot　200 ng/spot　400 ng/spot

1) Bitter, T., et al.: Anal. Biochem., 4, 330 (1962)
2) Ogamo, A., et al.: Carbohydr. Res., 105, 69 (1982)
3) Seno, N., et al.: Anal. Biochem., 37, 197 (1970)

Signature :



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