



Certificate of Analysis

Product Name: Sodium Dermatan Sulfate (Porcine Skin)

Code Number (Outside Japan): CSR-NaDS-B2(PgS)10

Code Number (Japan): NaDS-B2(PgS)10

Lot Number: 23F834

Labeled Content: 10 mg/vial

Date: 2023/06/08

Remark: Specifications are to be modified without notice.

		Result	Specification	Method
Appearance		white amorphous block or powder (lyophilizate)	white amorphous block or powder (lyophilizate)	—
Content		9.8 mg/vial	9.0 – 12.0 mg/vial	1)
Mw by GPC		17×10^3	—	—
Purity on Electrophoresis		no bands other than the principal band appears	no bands other than the principal band appears	2)
Composition of Disaccharide Unit	△Di-0S	0.9 %	—	3)
	△Di-6S	1.1 %	—	
	△Di-4S	93.6 %	$\geq 80.0 \%$	
	△Di-diS _D	0.0 %	—	
	△Di-diS _B	4.3 %	—	
	△Di-diS _E	0.0%	—	
	△Di-TriS	0.0%	—	

Mw : Molecular Weight, GPC: Gel Permeation Chromatography

- △Di-0S : 2-acetamido-2-deoxy-3-O-(β -D-glucopyranosyluronic acid)-D-galactose
- △Di-6S : 2-acetamido-2-deoxy-3-O-(β -D-glucopyranosyluronic acid)-6-O-sulfo-D-galactose
- △Di-4S : 2-acetamido-2-deoxy-3-O-(β -D-glucopyranosyluronic acid)-4-O-sulfo-D-galactose
- △Di-diS_D : 2-acetamido-2-deoxy-3-O-(2-O-sulfo- β -D-glucopyranosyluronic acid)-6-O-sulfo-D-galactose
- △Di-diS_B : 2-acetamido-2-deoxy-3-O-(2-O-sulfo- β -D-glucopyranosyluronic acid)-4-O-sulfo-D-galactose
- △Di-diS_E : 2-acetamido-2-deoxy-3-O-(β -D-glucopyranosyluronic acid)-4,6-di-O-sulfo-D-galactose
- △Di-TriS : 2-acetamido-2-deoxy-3-O-(2-O-sulfo- β -D-glucopyranosyluronic acid)-4,6-di-O-sulfo-D-galactose



COSMO BIO CO., LTD.
Inspiration for Life Science

- 1) Bitter, T., et al.: Anal. Biochem., 4, 330 (1962)
- 2) Seno, N., et al.: Anal. Biochem., 37, 197 (1970)
- 3) Yoshida, K., et al.: Anal. Biochem., 177, 327 (1989)

Signature :

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