



Certificate of Analysis

Product Name: Sodium Chondroitin (Squid Skin)
Code Number (Outside Japan): CSR-NaCH-02(SqS)3
Code Number (Japan): NaCH-02(SqS)3
Lot Number: 25C953
Labeled Content: 3 mg/vial
Date: 2025/03/28
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		2.9 mg/vial	2.7—3.6 mg/vial	1)
Mw by GPC		43×10^3	—	—
Purity on Electrophoresis		no bands other than the principal band appears	no bands other than the principal band appears	2)
Δ Di-HA/ Δ Di-OS*		0.1×10^{-2}	$< 1.0 \times 10^{-2}$	—
Composition of disaccharide unit*	Δ Di-OS	98.7%	$\geq 90.0\%$	3)
	Δ Di-6S	1.2%	—	
	Δ Di-4S	0.1%	—	
	Δ Di-diS _D	0.0%	—	
	Δ Di-diS _E	0.0%	—	
	Δ Di-TriS	0.0%	—	

Mw: Molecular Weight, GPC: Gel Permeation Chromatography

*: Data of the bulk substance (Lot: 250321)

Δ Di-HA : 2-acetamido-2-deoxy-3-O-(β -D-glucopyranosyluronic acid)-D-glucose
 Δ Di-OS : 2-acetamido-2-deoxy-3-O-(β -D-glucopyranosyluronic acid)-D-galactose
 Δ Di-6S : 2-acetamido-2-deoxy-3-O-(β -D-glucopyranosyluronic acid)-6-O-sulfo-D-galactose
 Δ Di-4S : 2-acetamido-2-deoxy-3-O-(β -D-glucopyranosyluronic acid)-4-O-sulfo-D-galactose
 Δ Di-diS_D : 2-acetamido-2-deoxy-3-O-(2-O-sulfo- β -D-glucopyranosyluronic acid)-6-O-sulfo-D-galactose
 Δ Di-diS_E : 2-acetamido-2-deoxy-3-O-(β -D-glucopyranosyluronic acid)-4,6-di-O-sulfo-D-galactose
 Δ 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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