

Supporting Information

Viscoelasticity and phase separation of aqueous Na-type gellan solution

Yoko Nitta^{,†}, Rheo Takahashi[‡], Katsuyoshi Nishinari[§]*

School of Human Science and Environment, University of Hyogo, Hyogo 670-0092, Japan, Graduate School of Engineering, Gunma University, Kiryu, Gunma 376-8515, Japan, Graduate School of Human Life Science, Osaka City University, Sugimoto, Sumiyoshiku, Osaka 558-8585, Japan.

*To whom correspondence should be addressed. E-mail: nitta@shse.u-hyogo.ac.jp

[†]Univeristy of Hyogo, [‡]Gunma University, [§]Osaka City University

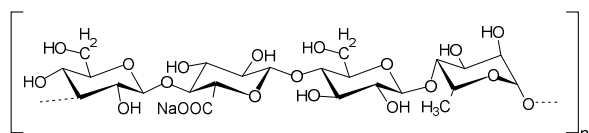


Figure S1. Chemical structure of Na-type gellan

Table S1. Weight average molar mass, polydispersity index, and contents of metallic ions of the three gellans, G-10, G-15, and G-30.

	$10^{-3} M_w$ g/mol	M_w/M_n	Na ⁺ %	K ⁺ %	Ca ²⁺ %	Ma ²⁺ %
G-10	98.8	1.31	2.9	0.007	0.004	0.0002
G-15	154	1.49	3.0	0.008	0.004	0.0002
G-30	298	1.38	2.8	0.009	0.008	0.0002