

Table 3—Gelling properties of heat-induced gel from BSAs

Sample ^a	Hardness ^b (gf/cm ²)	Resiliency ^b (%)	WHC ^{b, c} (%)	Turbidity of solution before/ gel after heating (A_{595nm}) ^d
N-BSA	558.3 ± 42.1b	60.0 ± 3.5b	87.8 ± 0.3a	0.05 / 0.45
MP+N-BSA	545.3 ± 4.2b	58.8 ± 0.7b	89.3 ± 0.1a	0.04 / 0.36
MP-BSA	500.3 ± 5.1b	59.6 ± 1.3b	90.4 ± 0.8b	0.04 / 0.33
PP-BSA-5d	469.0 ± 28.8a	51.5 ± 2.5a	90.4 ± 0.5b	0.07 / 0.09
PP-MP-BSA-1d	542.7 ± 19.8b	62.2 ± 5.1b	92.7 ± 0.1c	0.05 / 0.06
PP-MP-BSA-5d	455.7 ± 34.8a	65.6 ± 2.3c	94.2 ± 0.5d	0.09 / 0.10

^aN-BSA = native BSA; MP+N-BSA = BSA added with MP; MP-BSA = BSA conjugated with MP by incubation at 50 °C (65% RH) for 3 d; PP-BSA-5d = BSA dry-heated at pH 4.0 and 85 °C for 5 d in the presence of pyrophosphate; PP-MP-BSA = MP-BSA dry-heated at pH 4.0 and 85 °C for 1 and 5 d in the presence of MP and pyrophosphate.

^bEach value is the mean ± SD ($n = 4$); means in same column with different letters are significantly different ($p < 0.05$).

^cWHC = water-holding capacity.

^dData represent the mean value of two determinations, with a deviation of < 1%.

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6 **Table 3.**

7 **Enomoto and others.**

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