

Figure S1: HPLC chromatograms of delphinidin-3-*O*-glucoside monomer

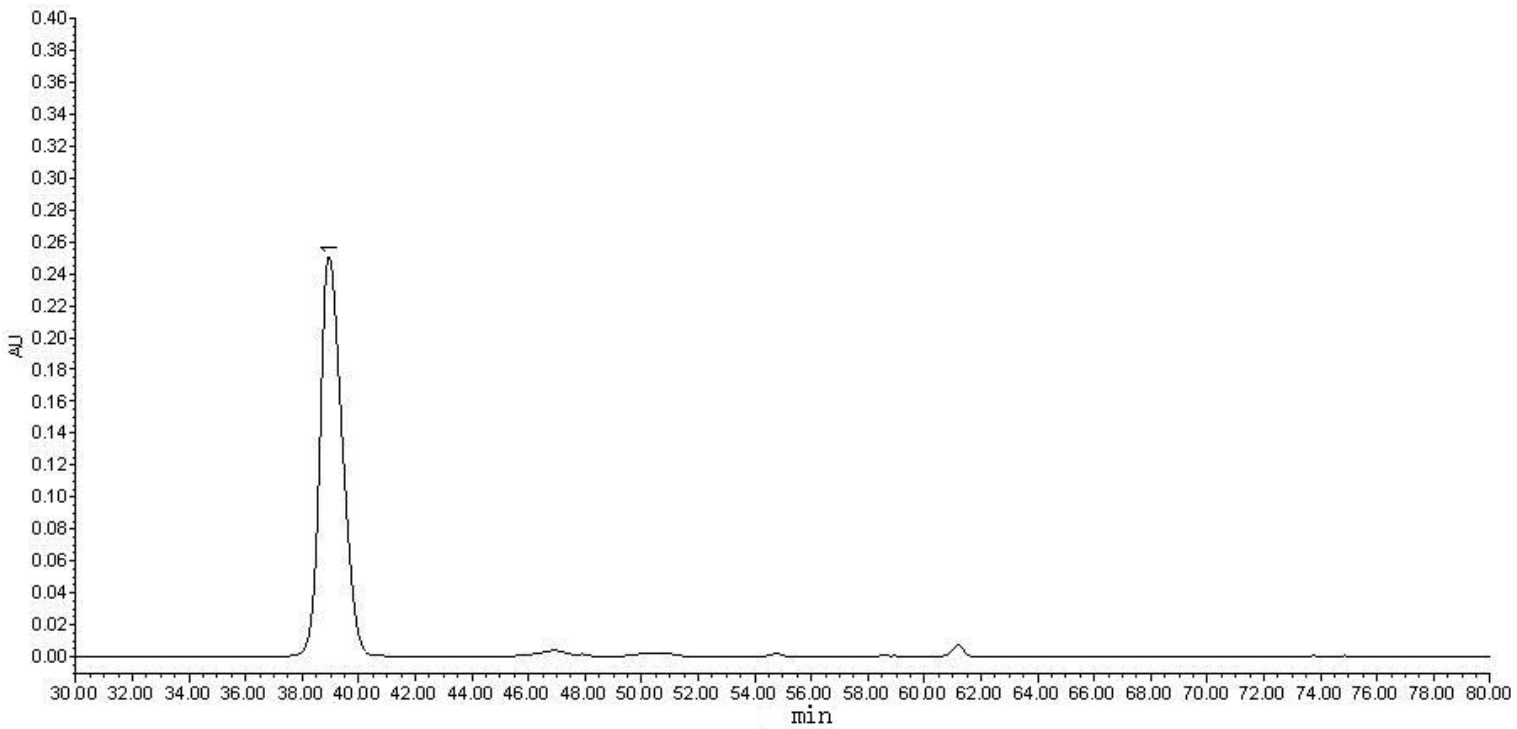


Table S1: Optimum design of soybean protein isolate-7s-delphinidin-3-O-glucoside stabilization system (pH 6.8) (mean ± SD) (n = 3)

No.	A: Complex proportion	B: Reaction temperature (°C)	C: Reaction time (min)	Abs <sup>‡</sup>		
1	-1 (40:1)	-1 (50)	0 (60)	0.605		
2	1 (30:1)	-1	0	0.677		
3	-1	1 (70)	0	0.684		
4	1	1	0	0.706		
5	-1	0 (60)	-1 (30)	0.661		
6	1	0	-1	0.693		
7	-1	0	1 (90)	0.656		
8	1	0	1	0.702		
9	0 (20:1)	-1	-1	0.659		
10	0	1	-1	0.701		
11	0	-1	1	0.655		
12	0	1	1	0.709		
13	0	0	0	0.740		
14	0	0	0	0.747		
15	0	0	0	0.731		
16	0	0	0	0.714		
17	0	0	0	0.728		

Source	Sum of square	df	Mean square	<i>F</i> value	<i>P</i> value	Significant
Model	0.033	9	0.003632	23.55	0.002	**
A	0.004465	1	0.004465	28.95	0.0010	**
B	0.005460	1	0.005460	35.40	0.0006	**
C	0.004805	1	0.004805	3.12	0.1209	
AB	0.005062	1	0.005062	3.28	0.1129	*
AC	0.009000	1	0.009000	0.058	0.8160	
BC	0.006760	1	0.006760	4.38	0.0746	
A <sup>2</sup>	0.001220	1	0.001222	78.22	0.0001	**
B <sup>2</sup>	0.004053	1	0.004053	26.28	0.0014	**
C <sup>2</sup>	0.003019	1	0.003019	19.57	0.0031	**
Residual	0.001080	7	0.001542			
Lack of Fit	0.001008	3	0.003358	0.14	0.9327	Not significant
Pure Error	0.009788	4	0.002447			
Cor Total	0.034	16				
R <sup>2</sup> <sub>adj</sub>		0.9269				
R <sup>2</sup> <sub>Pred</sub>		0.9070				
C.V./%		1.73				

SPI-7s-D3G<sup>†</sup>: The complex of soybean protein isolate-7s and delphinidin-3-*O*-glucoside; pH 6.8: The system of pH 6.8; Abs<sup>‡</sup>: Absorbance; \*: The

difference was significant ( $P < 0.05$ ); \*\*: The difference was extremely significant ( $P < 0.01$ ).