

Table S1. Heating conditions and storage temperatures of all samples

Sample <sup>1</sup>	Preheating condition	direct UHT temperature (°C)	Heating time (s)	C*	Direct system	Storage temperature (°C)
Raw	— —	— —	— —		— —	
1		153	0.25	0.03		
2		147	0.25	0.02		
3		142	0.25	0.01		
4		157	0.116	0.02		
5	75°C/25 s	153	0.116	0.01	Steam infusion	4, 25, 37
6		147	6	0.47		
7		142	6	0.33		
8		147	3	0.24		
9		142	3	0.16		
10		153	3	0.37		

<sup>1</sup>The sample number in the table was the batch of samples in the factory.

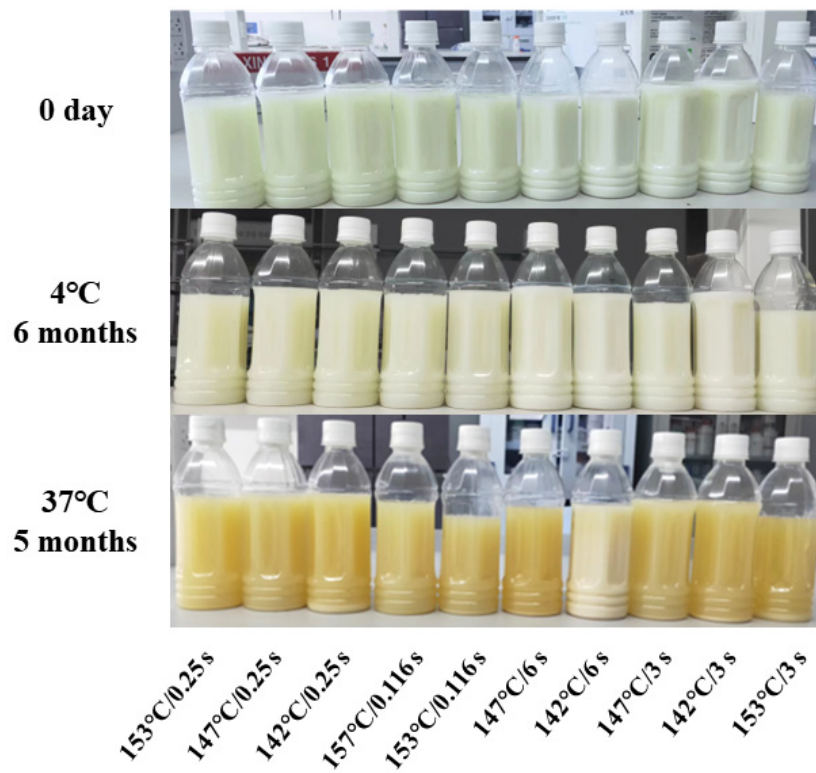


Figure S1. Sedimentation in all samples during the later period of storage