

Table S1. Nitrogen content with storage time under different storage temperatures.

Storage time	N% at 40°C	N% at 50°C	N% at 60°C	N% at 70°C	N% at 80°C
1 day	0.021	0.041	0.050	0.056	0.063
2 day	0.045	0.105	0.086	0.122	0.132
3 day	0.071	0.135	0.140	0.152	0.209
4 day	0.093	0.162	0.175	0.210	0.267
5 day	0.105	0.180	0.213	0.269	0.287
6 day	0.125	0.200	0.235	0.305	0.338
7 day	0.156	0.223	0.270	0.317	0.364

Table S2. WRA (b) with storage time under different storage temperatures.

Storage time	WRA at 40°C	WRA at 50°C	WRA at 60°C	WRA at 70°C	WRA at 80°C
1 day	102	115	109	114	121
2 day	105	121	121	125	129
3 day	109	123	129	132	142
4 day	116	130	132	140	158
5 day	119	136	142	153	164
6 day	120	138	143	161	171
7 day	132	140	151	172	180

Table S3. $\ln(N_m-N)/N_m$ with storage time under different storage temperatures.

Storage time	$\ln(N_m-N)/N_m$ at 40°C	$\ln(N_m-N)/N_m$ at 50°C	$\ln(N_m-N)/N_m$ at 60°C	$\ln(N_m-N)/N_m$ at 70°C	$\ln(N_m-N)/N_m$ at 80°C
1 day	-0.0372	-0.0740	-0.0909	-0.102	-0.116
2 day	-0.0815	-0.202	-0.161	-0.239	-0.261
3 day	-0.132	-0.268	-0.279	-0.306	-0.451
4 day	-0.176	-0.331	-0.363	-0.453	-0.614
5 day	-0.202	-0.375	-0.463	-0.629	-0.691
6 day	-0.245	-0.427	-0.525	-0.756	-0.881
7 day	-0.316	-0.491	-0.634	-0.803	-1.002

$N_m=0.575\%$

Table S4. $1/T$ and $-\ln K$ under different storage temperatures.

Storage temperature	Thermodynamic temperature (T)	$1/T$	$K/(24h)^{-1}$	$k/(s)$	$-\ln K$
40°C	293	0.003195	0.0441	0.00001225	11.3101
50°C	303	0.003096	0.0646	1.79444E-05	10.9282
60°C	313	0.003003	0.0908	2.52222E-05	10.5878
70°C	323	0.002915	0.1235	3.43056E-05	10.2802
80°C	333	0.002833	0.1478	4.10556E-05	10.1006