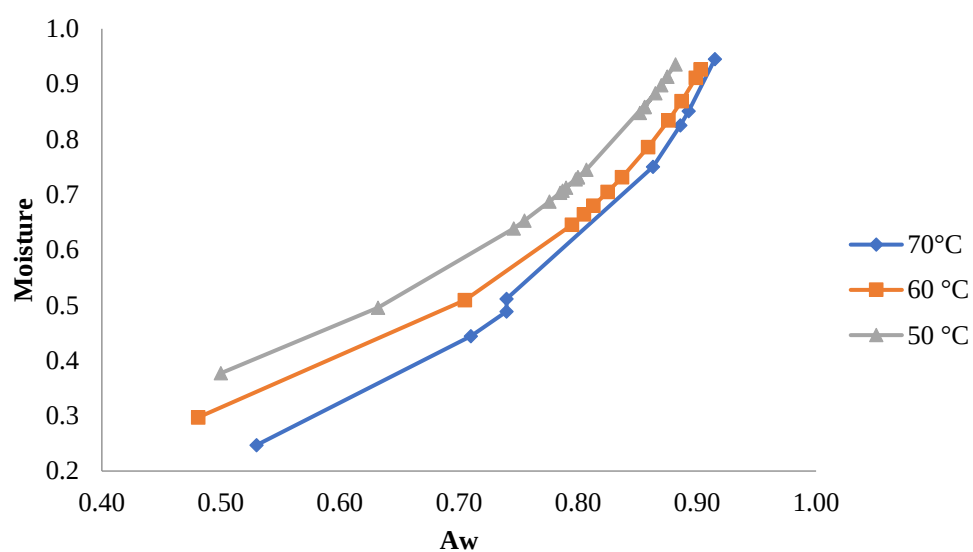
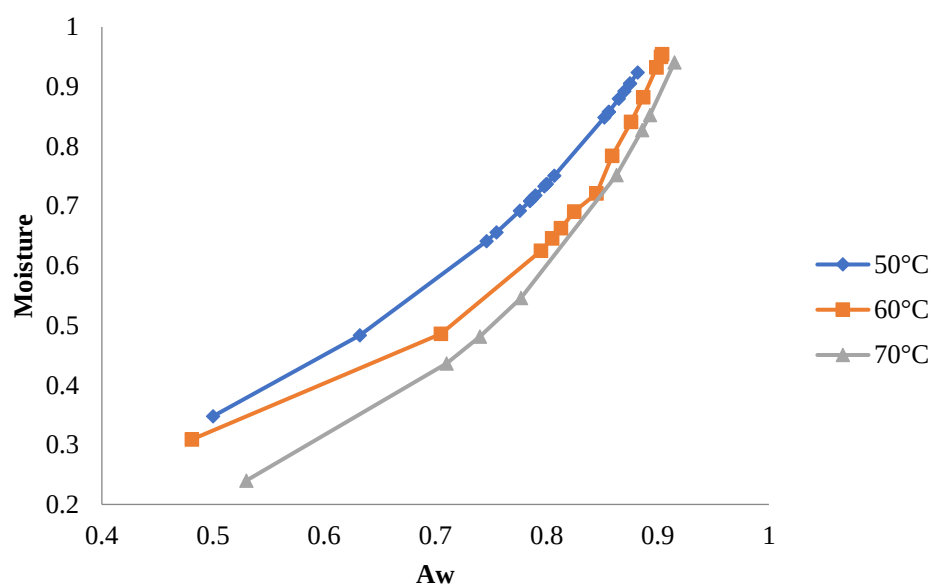


Supplementary files



(a)



(b)

Figure S1. Desorption isotherms interpolated with Smith (a) and GAB (b) models.

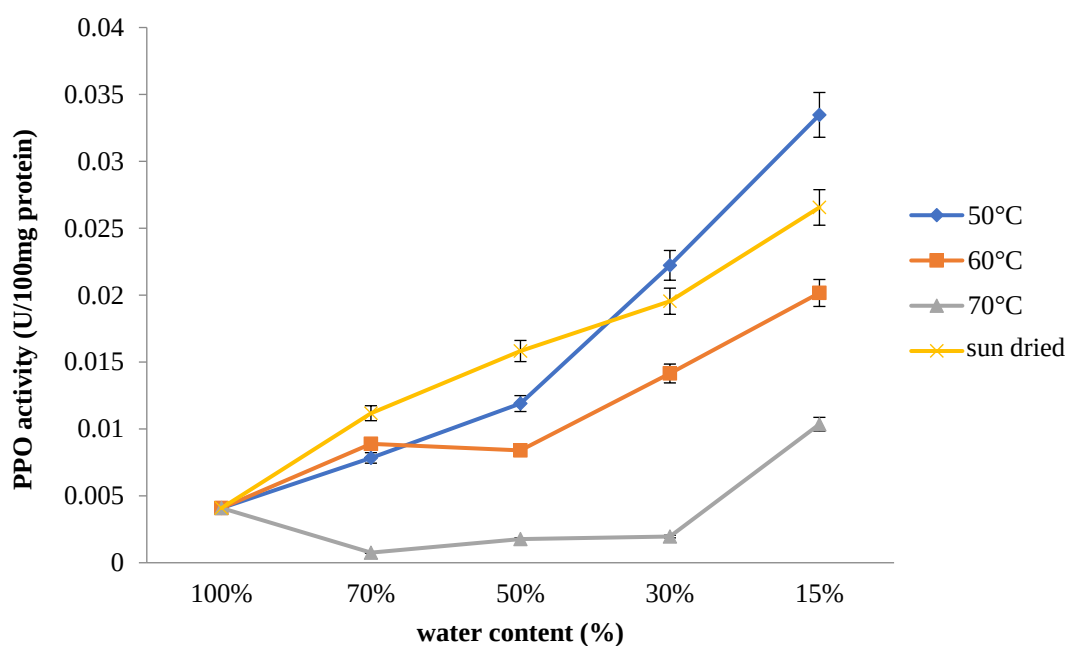


Figure S2. PPO activity.

Table S1. pH TA and °Brix during drying

treatment		100%	70%	50%	30%	15%
50°C	pH	4.30	4.20	4.19	4.21	4.27
	TA	0.30	0.30	0.20	0.10	0.10
	°Brix	7.10	10.00	15.10	20.50	31.20
60°C	pH	4.30	4.31	4.28	4.27	4.32
	TA	0.30	0.30	0.10	0.10	0.10
	°Brix	7.10	10.10	15.10	20.30	33.50
70°C	pH	4.30	4.05	4.07	4.02	4.00
	TA	0.30	0.50	0.30	0.20	0.20
	°Brix	7.10	8.10	13.60	19.90	33.90
Sun	pH	4.30	4.32	4.35	4.28	4.36
	TA	0.30	0.30	0.20	0.10	0.10
	°Brix	7.10	9.80	14.50	20.30	28.00

Table S2. Carotenoids content during drying (ppm DM)

%H₂O	50 °C	60 °C	70 °C	Sun
100%	227.0 ± 1.4	227.0 ± 1.4	227.0 ± 1.4	227.0 ± 1.4
70%	211.0 ± 0.7	192.3 ± 7.7	129.2 ± 2.1	219.0 ± 11.4
50%	189.2 ± 0.5	332.7 ± 5.0	181.3 ± 4.1	370.9 ± 8.7
30%	320.3 ± 6.2	343.5 ± 4.1	306.2 ± 0.6	356.5 ± 8.1
15%	190.8 ± 2.5	557.1 ± 13.3	710 ± 17	530.0 ± 2.5