

MOISTURE SORPTION ISOTHERMS AND ISOSTERIC HEAT DETERMINATION IN CHILEAN PAPAYA
(*Vasconcellea pubescens*)

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Table 1S. Statistical parameters calculated for each model at the three temperatures studied (°C)

Models	Statistical	Adsorption			Desorption		
		5	20	45	5	20	45
GAB	r^2	95.75	94.32	95.25	93.94	95.17	95.51
	%E	3.98	8.65	7.55	2.63	2.42	4.90
	SSE	0.0007	0.0096	0.0015	0.0787	0.0079	0.0004
	RMSE	0.0257	0.0981	0.0391	0.2805	0.0889	0.0204
	χ^2	0.0009	0.0137	0.0022	0.1124	0.0113	0.0006
BET	r^2	95.31	95.47	92.13	99.22	94.84	100.00
	%E	9.55	7.50	11.03	4.18	11.75	4.17
	SSE	0.0002	0.0003	0.0002	0.0024	0.0010	0.0006
	RMSE	0.0153	0.0169	0.0136	0.0492	0.0316	0.0254
	χ^2	0.0005	0.0005	0.0003	0.0048	0.0017	0.0011
Henderson	r^2	98.37	96.13	98.48	96.78	96.88	92.62
	%E	5.72	9.70	7.33	6.50	6.13	5.03
	SSE	0.0013	0.0081	0.0006	0.0914	0.0199	0.0073
	RMSE	0.0366	0.0902	0.0253	0.3024	0.1410	0.0855
	χ^2	0.0019	0.0116	0.0009	0.1306	0.0284	0.0104
Caurie	r^2	97.02	96.47	98.15	95.31	93.43	91.81
	%E	7.89	8.43	8.34	7.48	10.33	8.88
	SSE	0.0201	0.0174	0.0006	0.1449	0.0358	0.0120
	RMSE	0.1419	0.1319	0.0248	0.3806	0.1892	0.1094
	$\chi^{2\lambda}$	0.0288	0.0249	0.0009	0.2070	0.0511	0.0171
Smith	r^2	98.20	96.21	96.49	98.49	94.57	92.68
	%E	5.97	11.37	14.92	4.27	8.22	8.43
	SSE	0.0015	0.0265	0.0044	0.0625	0.0198	0.0077
	RMSE	0.0382	0.1628	0.0662	0.2501	0.1407	0.0878
	χ^2	0.0021	0.0379	0.0063	0.0893	0.0283	0.0110
Oswin	r^2	98.88	98.64	98.75	96.57	93.68	92.45
	%E	6.21	5.05	5.93	8.73	12.67	13.56
	SSE	0.0019	0.0007	0.0002	0.0164	0.0087	0.0033
	RMSE	0.0432	0.0271	0.0148	0.1283	0.0932	0.0576
	χ^2	0.0027	0.0010	0.0003	0.0235	0.0124	0.0047

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Table 1S. continuation

Models	Statistical	Adsorption			Desorption		
		5	20	45	5	20	45
Halsey	r^2	96.70	97.99	97.84	98.97	97.82	96.26
	%E	10.18	8.82	9.81	5.27	7.79	9.22
	SSE	0.0077	0.0006	0.0002	0.0047	0.0026	0.0011
	RMSE	0.0875	0.0254	0.0139	0.0683	0.0506	0.0333
	χ^2	0.0109	0.0009	0.0003	0.0067	0.0037	0.0016
Iglesias-Chirife	r^2	97.08	98.56	99.31	98.03	95.33	98.66
	%E	8.50	5.82	8.35	4.94	8.63	7.45
	SSE	1.4203	0.0153	0.0008	1.1363	0.0017	0.0004
	RMSE	1.1918	0.1235	0.0276	1.0660	0.0411	0.0204
	χ^2	2.0290	0.0218	0.0011	1.6233	0.0024	0.0006