

Supplementary Material

Analysis of Plant-Based Commercial Milk Substitutes Using ATR-FTIR Spectroscopy

Anna Luiza B. Brito,^{a,*} Catarina Duarte^a and Rui Fausto^{a,b}

^a CQC-IMS, Department of Chemistry, University of Coimbra, 3004-535 Coimbra, Portugal

^b Department of Physics, Faculty of Sciences and Letters, Istanbul Kultur University, Ataköy Campus,
Bakırköy, Istanbul, Türkiye

Keywords:

Plant-based milk substitutes; Infrared spectroscopy; Chemometrics; PCA.

Table S1. Information about plant-based beverages samples.

Samples	Type	Energy (kJ/kcal) 100 mL	Lipids (g)	Carbohydrate (g)	Fiber (g)	Protein (g)	Salt (g)	Ingredients
S-1	Soy	158/38	1.8	1.9	0.8	3.1	0.09	Soy (13%)
S-2	Soy	220/52	2.4	4.6	<0.5	3.1	0.19	Soy (13%)
S-3	Soy	134/32	1.7	1	0.2	3.1	0.13	Soy (13%)
S-4	Soy	147/35	2.1	0	0.6	3.7	0.04	Soy (9.8%)
S-5	Soy	124/30	1.6	0.9		3	0.08	Soy (11%)
S-6	Soy	137/33	1.6	1.2	0.8	3	0.04	Soy (6.8%)
S-7	Soy	136/39	1.8	2.5	0.5	3	0.09	Soy (8%)
S-8	Soy	195/46	1.7	4.6		3	0.1	Soy (11%)
S-9	Soy	202/48	1.8	4.7	0.3	3.1	0.1	Soy (13%)
S-10	Soy	157/38	1.9	1.3	0.6	3.5	0.01	Soy (7.4%)
O-1	Oat	215/51	1	9	1	1	0.08	Oat (16%)
O-2	Oat	168/40	1.4	6		0.6	0.13	Oat (11%)
O-3	Oat	192/46	1.6	6.9	0.4	0.9	0.1	Oat (13%)
O-4	Oat	192/46	1.5	7.2	1.5	0.3	0.09	Oat (9.8%)
O-5	Oat	209/50	0.7	9.1	1	1.2	0.06	Oat (14%)
O-6	Oat	196/46	0.8	8.3		1.4	0.07	Oat (14%)
O-7	Oat	177/42	0.8	7.7	0.6	0.7	0.1	Oat (11.5%)
O-8	Oat	182/43	1.2	7.2	0.8	0.5	0.08	Oat (11%)
O-9	Oat	238/57	1.9	7.1	2.3	1.7	0.08	Oat (12%)
O-10	Oat	234/56	1.6	8.5	1.6	1	0.1	Oat (11%)

R-1	Rice	206/49	1	9.8	0	0.1	0.09	Rice (12.5%)
R-2	Rice	283/67	1	14	0	0	0.09	Rice (17%)
R-3	Rice	233/55	0.8	12	0.3	0.2	0.1	Rice (13.5%)
R-4	Rice	257/60	1.4	12	0.2	0.1	0.1	Rice (17%)
R-5	Rice	195/46	1.1	9		0.1	0.06	Rice (12%)
R-6	Rice	225/53	0.8	11	<0.5	<0.5	0.1	Rice (17%)
R-7	Rice	240/57	1.3	11	<0.5	<0.5	0.08	Rice (14%)
R-8	Rice	273/65	1.3	13		<0.5	0.08	Rice (17%)
R-9	Rice	243/57	0.8	11	0.7	1.1	0.07	Rice (14%)
R-10	Rice	191/46	1	8.3	1.5	0.4	0.10	Rice (12%)
A-1	Almond	183/44	3	0.7	0.7	3.2	0.14	Soy (5.8%) Almond (2.5%)
A-2	Almond	120/29	2.4	0	0.3	1	0.09	Almond (5%)
A-3	Almond	58/14	1.2	0.3	0.3	0.5	0.14	Almond (2%)
A-4	Almond	254/60	1.5	11	<0.5	<0.5	0.01	Rice (15.2%) Almond (1.5%)
A-5	Almond	120/29	1.4	3.5		0.5	0.12	Almond (2%)
A-6	Almond	111/27	2.5	0	0.6	1.1	0.08	Almond (4%)
A-7	Almond	108/26	1.1	3.1	0.3	0.4	0.14	Almond (2.3%)
A-8	Almond	70/17	1.4	0	<0.5	0.7	0.10	Almond (2.5%)
A-9	Almond	222/53	1.5	8.4	<0.5	1.4	0.08	Rice (10%) Almond (2.5%)
A-10	Almond	300/71	1.9	13		<0.5	0.09	Rice (17%) Almond (1%)
