

S3 Table. Range of coefficient of variations (CV) from 58 bottles of over the counter herbal

supplements. Antioxidant capacity, phenolic concentrations, and flavonoid concentrations were measured from both hot water and methanolic extractions of 10 pills from each of two bottles per supplement per supplier. Results of the Rank Runs test are also included with p-value of < 0.05 . indicating non-randomness of distribution among the results.

Supplement	Suppliers	Water Extraction			Methanolic Extraction		
		Antioxidant	Phenolic	Flavonoid	Antioxidant	Phenolic	Flavonoid
Aloe	1	6.29-34.27	4.23-31.93	2.67-55.40	9.87-11.03	21.01-22.60	13.85-18.89
Astragalus	2	9.34-48.62	13.39-38.60	7.23-122.55	6.88-66.72	7.85-20.67	9.24-44.39
Biotin	1	22.23-89.13	18.81-38.71	0-120	4.13-161.93	25.24-30.10	0-61.70
Cranberry	1	9.79-44.42	8.39-22.15	10.65-68.28	14.22-20.64	26.90-39.01	34.59-43.47
Echinacea	2	7.89-59.95	14.16-33.17	8.21-25.39	6.49-19.41	15.99-187.57	8.90-61.54
Echinacea Goldenseal	2	9.07-48.99	9.59-33.33	9.27-34.89	2.53-20.71	12.89-47.92	5.59-109.15
Ginger Root	2	8.89-68.47	13.08-40.34	9.05-15.49	3.08-27.77	7.44-33.48	6.07- 300
Ginseng	2	14.36-21.23	26.78-39.37	0-9.05	22.53-27.77	19.56-24.74	13.50-300
Raspberry	1	15.12-19.44	5.26-6.80	4.18-8.49	4.81-5.46	11.82-23.30	4.43-5.95
Reishi	1	9.08-66.15	15.65-26.32	3.33-65.56	4.10-49.90	21.29-37.46	16.58-85.03
Rhodiola	2	14.92-28.32	11.11-61.57	8.67-30.61	18.20-76.74	14.49-38.45	14.84-38.66
Silent Night	1	10.86-23.26	6.76-23.57	12.69-30.14	10.54-49.61	6.99-17.10	9.37-53.23
St. John's Wort	3	6.10-29.28	9.14-36.18	11.15-26.44	5.17-33.89	9.00-22.51	8.03-14.67
Stress Formula	1	13.37-18.67	14.29-17.95	10.36-17.95	2.81-9.91	21.63-84.20	8.70-19.89
Turmeric	3	9.81-81.06	18.38-40.59	0-71.04	9.99-28.72	13.10-37.41	8.85-34.31
Valerian Root	3	3.45-256.21	7.56-31.90	10.20-39.06	5.23-36.01	16.68-75.11	12.90-54.16
Yarrow	1	24.06-34.58	38.81-39.45	24.53-28.12	5.09-12.22	21.86-23.18	7.82-21.63
	Rank Runs Test (p- value)	0.114	0.114	0.993	0.993	0.008	0.002

