

Table S1. Reported data (dimensions, shape, and times) from all bottle emptying experiments performed by students and the author (N = 454).

no.	bottle shape	neck dia.	neck dia. uncertainty	max dia.	max dia. uncertainty	bottle height	bottle height uncertainty	bottle volume	bottle vol. uncertainty	avg. emptying time	std. deviation	number of trials
		d	$\pm u_d$	D	$\pm u_D$	H	$\pm u_H$	V	$\pm u_V$	$\bar{T}_e$	s	n
[-]	[-]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[ml]	[ml]	[s]	[s]	[-]
1	smooth	64.29	0.79	282.58	12.70	514.35	6.35	22700	50	15.65	0.60	5
2	square	20.83	0.13	69.34	0.13	239.71	0.79	796	5	13.55	0.54	5
3	other	43.94	0.13	72.39	0.13	128.59	0.79	392	5	0.84	0.06	5
4	other	21.34	0.13	49.53	0.13	119.06	0.79	176	5	2.72	0.14	5
5	smooth	21.84	0.13	66.29	0.13	187.33	0.79	490	5	6.55	0.39	5
6	square	17.78	0.13	50.29	0.13	155.58	0.79	261	5	8.63	0.25	5
7	other	18.03	0.13	58.42	0.13	128.59	0.79	261	5	7.11	0.66	5
8	other	18.03	0.13	63.50	0.13	193.68	0.79	497	5	15.70	0.77	5
9	square	18.03	0.13	61.47	0.13	195.26	0.79	487	5	13.98	1.19	5
10	smooth	18.54	0.13	79.76	0.13	141.29	0.79	375	5	9.01	0.51	5
11	other	71.12	0.13	127.00	6.35	211.14	0.79	1991	5	1.24	0.05	5
12	square	21.34	0.13	61.98	0.13	206.38	0.79	542	5	10.08	0.71	5
13	other	41.40	0.13	97.79	2.54	182.56	0.79	1007	5	3.03	0.14	5
14	smooth	18.54	0.13	101.60	2.54	246.06	0.79	769	5	10.85	0.53	5
15	smooth	18.54	0.13	78.23	0.13	260.35	0.79	682	5	9.95	0.45	5
16	other	18.03	0.13	50.29	0.13	153.99	0.79	196	5	3.53	0.22	5
17	smooth	33.02	0.13	84.07	0.13	139.70	0.79	504	5	1.90	0.06	5
18	square	20.07	0.13	80.01	0.13	230.19	0.79	997	5	21.45	0.61	5
19	smooth	32.51	0.13	65.28	0.13	152.40	0.79	373	5	1.26	0.11	10
20	square	14.99	0.13	41.15	0.13	193.68	0.79	160	5	5.52	0.86	10
21	smooth	19.05	0.13	58.67	0.13	185.74	0.79	266	5	3.63	0.22	10
22	other	18.03	0.13	68.07	0.13	144.46	0.79	403	5	11.92	0.82	10
23	other	22.23	0.13	119.38	2.54	171.45	0.79	947	5	16.40	1.00	5
24	other	21.51	0.13	71.12	0.13	236.54	0.79	797	5	11.78	0.21	5
25	other	20.57	0.13	60.45	0.13	339.73	0.79	524	5	7.71	0.39	5

(table continued...)

Table S1. (cont'd)

no.	bottle shape	neck dia.	neck dia. uncertainty	max dia.	max dia. uncertainty	bottle height	bottle height uncertainty	bottle volume	bottle vol. uncertainty	avg. emptying time	std. deviation	number of trials
		d	$\pm u_d$	D	$\pm u_D$	H	$\pm u_H$	V	$\pm u_V$	$\bar{T}_e$	s	n
[-]	[-]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[ml]	[ml]	[s]	[s]	[-]
26	other	19.94	0.13	88.90	2.54	214.31	0.79	1049	5	18.57	0.58	5
27	smooth	19.18	0.13	86.36	1.27	234.95	0.79	695	5	17.35	0.36	5
28	square	21.34	0.13	81.28	1.27	219.08	0.79	982	5	17.18	0.55	5
29	other	30.73	0.13	66.04	0.25	180.98	0.79	504	5	3.31	0.32	5
30	other	18.03	0.13	73.66	0.25	274.64	0.79	688	5	10.38	0.45	5
31	smooth	19.05	0.13	53.34	0.25	188.91	0.79	197	5	3.06	0.14	5
32	other	21.84	0.13	64.77	1.27	168.28	0.79	377	5	4.78	0.28	5
33	other	30.70	0.05	135.00	5.00	460.38	3.18	3138	5	10.53	0.35	5
34	other	21.84	0.13	41.91	0.13	77.79	0.79	82	5	1.37	0.16	5
35	smooth	18.16	0.13	65.28	0.13	158.75	0.79	380	5	8.59	0.81	5
36	square	16.51	0.13	63.50	0.13	152.40	0.79	394	5	11.09	0.79	5
37	square	18.03	0.13	61.21	0.13	158.75	0.79	377	5	10.09	0.58	5
38	smooth	28.45	0.13	161.80	6.35	495.30	3.18	5070	5	24.01	0.33	5
39	square	37.31	0.40	65.28	0.13	133.35	0.79	290	5	0.65	0.08	10
40	other	23.02	0.40	41.91	0.13	85.73	0.79	75	5	0.70	0.11	10
41	square	11.91	0.40	41.40	0.13	65.09	0.79	40	5	2.43	0.18	10
42	square	15.88	0.40	37.34	0.13	161.93	0.79	120	5	3.06	0.24	10
43	square	31.75	0.40	55.12	0.13	136.53	0.79	255	5	0.81	0.10	10
44	square	23.02	0.40	43.94	0.13	109.54	0.79	130	5	1.26	0.21	10
45	square	13.10	0.40	43.18	0.13	117.48	0.79	130	5	5.88	0.57	10
46	other	23.42	0.40	101.60	6.35	187.33	0.79	520	5	7.40	0.26	10
47	square	46.43	0.40	88.90	0.13	161.93	0.79	800	5	1.52	0.10	10
48	square	52.39	0.40	85.09	0.13	160.34	0.79	700	5	0.66	0.13	10
49	square	30.96	0.40	62.74	0.13	153.99	0.79	405	5	2.25	0.29	10
50	other	18.80	0.13	66.80	0.13	168.28	0.79	375	5	6.61	0.37	10

(table continued...)

Table S1. (cont'd)

no.	bottle shape	neck dia.	neck dia. uncertainty	max dia.	max dia. uncertainty	bottle height	bottle height uncertainty	bottle volume	bottle vol. uncertainty	avg. emptying time	std. deviation	number of trials
		d	$\pm u_d$	D	$\pm u_D$	H	$\pm u_H$	V	$\pm u_V$	$\bar{T}_e$	s	n
[-]	[-]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[ml]	[ml]	[s]	[s]	[-]
51	square	14.68	0.40	60.45	0.13	138.11	0.79	250	5	8.18	0.31	10
52	other	55.56	0.79	177.80	12.70	473.08	3.18	9600	480	14.68	0.24	5
53	smooth	21.84	0.25	114.30	2.54	457.20	3.18	3030	5	22.26	0.82	5
54	square	114.30	1.59	-	-	-	-	17988	895	3.47	0.30	3
55	square	10.80	0.01	25.15	0.13	68.26	0.79	17	1	1.49	0.05	3
56	square	10.01	0.01	32.51	0.13	77.79	0.79	33	1	2.55	0.19	3
57	square	10.54	0.01	36.32	0.13	109.54	0.79	65	5	5.39	0.29	3
58	square	10.80	0.01	60.45	0.13	82.55	0.79	145	5	21.09	0.38	3
59	other	9.53	0.13	26.92	0.25	103.19	0.79	36	1	2.73	0.21	10
60	smooth	10.92	0.13	32.26	0.13	112.71	0.79	53	5	4.09	0.28	5
61	smooth	10.92	0.13	40.64	0.13	123.83	0.79	54	5	4.37	0.73	5
62	smooth	8.08	0.01	32.00	0.13	111.13	0.79	39	1	6.46	0.82	5
63	square	8.38	0.13	95.25	2.54	155.58	0.79	537	5	154.44	5.14	3
64	square	8.05	0.13	79.50	0.13	133.35	0.79	532	5	171.73	1.40	3
65	square	8.89	0.13	93.98	2.54	201.61	0.79	724	5	152.32	0.89	3
66	square	7.49	0.01	64.52	0.13	292.10	0.79	769	5	213.19	2.12	3
67	other	9.45	0.01	24.90	0.10	45.30	0.05	13	1	1.49	0.22	10
68	square	28.26	0.01	66.66	0.01	202.00	0.50	450	5	2.36	0.27	10
69	smooth	18.40	0.05	59.40	0.05	216.00	0.50	350	5	4.91	0.15	10
70	smooth	27.63	0.01	98.00	0.50	177.00	0.50	784	5	3.74	0.08	10
71	smooth	21.19	0.01	69.17	0.01	140.00	0.50	230	5	2.62	0.22	10
72	smooth	30.05	0.01	122.34	0.01	266.00	0.50	1978	5	10.56	0.09	10
73	smooth	16.97	0.01	70.42	0.01	314.96	1.27	200	5	3.88	0.30	10
74	smooth	28.63	0.01	82.55	0.01	185.42	1.27	520	5	3.37	0.26	10
75	smooth	18.57	0.01	68.00	0.50	193.00	0.50	424	5	6.42	0.16	10

(table continued...)

Table S1. (cont'd)

no.	bottle shape	neck dia.	neck dia. uncertainty	max dia.	max dia. uncertainty	bottle height	bottle height uncertainty	bottle volume	bottle vol. uncertainty	avg. emptying time	std. deviation	number of trials
		d	$\pm u_d$	D	$\pm u_D$	H	$\pm u_H$	V	$\pm u_V$	$\bar{T}_e$	s	n
[-]	[-]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[ml]	[ml]	[s]	[s]	[-]
76	smooth	30.02	0.01	72.46	0.01	249.00	0.50	630	5	3.07	0.11	10
77	other	16.16	0.01	38.51	0.01	144.43	0.01	110	5	2.56	0.11	10
78	other	24.55	0.05	29.50	0.05	232.50	0.50	946	118	9.92	0.20	10
79	other	27.05	0.01	28.03	0.01	143.00	0.50	82	5	1.31	0.04	10
80	other	30.81	0.01	40.44	0.01	252.70	1.30	754	10	3.53	0.32	10
81	other	24.00	0.75	76.00	3.00	171.00	3.00	780	30	9.26	0.09	10
82	other	18.48	0.01	86.30	0.01	245.00	0.50	780	5	10.69	0.36	10
83	other	17.16	0.01	87.96	0.01	254.00	0.50	785	5	14.18	0.52	10
84	other	12.10	0.01	20.60	0.01	68.00	0.50	16	1	1.19	0.21	6
85	other	31.07	0.01	50.03	0.01	103.62	0.01	159	5	1.67	0.38	10
86	other	17.66	0.01	61.72	0.01	113.15	0.01	199	5	4.88	0.21	10
87	other	18.38	0.01	76.90	0.01	390.00	0.50	750	25	10.89	0.43	10
88	other	21.37	0.01	51.81	0.01	129.00	0.50	175	25	2.14	0.18	10
89	other	43.31	0.01	73.00	0.01	255.00	0.50	700	25	1.84	0.12	10
90	other	33.00	0.50	64.00	0.50	206.00	0.50	564	5	2.37	0.11	10
91	square	26.18	0.01	91.00	3.00	274.00	2.00	900	25	7.23	0.36	10
92	square	48.95	0.01	68.38	0.01	97.24	0.01	272	5	0.55	0.07	10
93	square	36.72	0.01	60.85	0.01	185.00	0.50	366	5	1.16	0.10	10
94	square	20.90	0.01	50.65	0.01	224.00	0.50	267	5	2.85	0.16	10
95	square	28.24	0.01	92.17	0.01	225.00	0.50	1095	5	6.89	0.22	10
96	square	19.53	0.01	76.48	0.01	169.86	0.79	501	5	9.45	0.28	10
97	square	15.24	0.01	49.91	0.01	111.00	0.01	56	5	2.74	0.14	10
98	square	53.04	0.01	74.02	0.01	199.23	0.40	740	5	1.22	0.10	10
99	square	52.21	0.01	89.96	0.01	204.40	0.50	1100	50	1.34	0.13	10
100	square	53.47	0.01	83.67	0.01	142.90	0.77	662	182	1.08	0.09	10

(table continued...)

Table S1. (cont'd)

no.	bottle shape	neck dia.	neck dia. uncertainty	max dia.	max dia. uncertainty	bottle height	bottle height uncertainty	bottle volume	bottle vol. uncertainty	avg. emptying time	std. deviation	number of trials
		d	$\pm u_d$	D	$\pm u_D$	H	$\pm u_H$	V	$\pm u_V$	$\bar{T}_e$	s	n
[-]	[-]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[ml]	[ml]	[s]	[s]	[-]
101	square	42.49	0.01	69.14	0.01	165.10	0.40	506	5	1.02	0.15	10
102	square	9.69	0.01	94.49	0.00	106.00	0.05	565	5	118.47	5.95	10
103	smooth	17.11	0.01	63.23	0.01	235.00	0.50	376	5	7.50	0.23	10
104	smooth	20.04	0.40	62.70	0.40	193.40	0.40	469	5	7.42	0.14	10
105	smooth	18.28	0.01	79.40	0.01	135.00	0.50	425	25	8.54	0.57	10
106	smooth	22.00	0.01	77.00	0.01	233.00	0.50	775	13	10.84	0.62	10
107	smooth	29.40	0.40	70.60	0.40	242.90	0.80	577	13	2.94	0.19	10
108	smooth	43.87	0.01	71.77	0.01	154.00	0.50	440	5	0.98	0.11	10
109	smooth	19.58	0.01	63.39	0.01	190.00	0.50	377	5	5.30	0.32	10
110	smooth	19.16	0.01	81.03	0.01	307.00	0.50	1050	5	13.66	0.48	10
111	smooth	18.24	0.01	68.05	0.01	148.00	0.50	346	5	5.58	0.23	10
112	smooth	18.03	0.01	62.15	0.01	234.00	0.50	392	5	5.38	0.26	10
113	smooth	18.96	0.01	67.92	0.01	180.00	0.50	310	5	5.49	0.40	10
114	smooth	17.92	0.01	62.99	0.01	234.00	0.50	343	5	4.97	0.30	10
115	smooth	43.23	0.01	92.53	0.01	226.00	0.50	1088	5	1.80	0.23	10
116	smooth	27.92	0.01	64.89	0.01	215.00	0.50	449	5	2.18	0.20	10
117	other	18.23	0.01	70.10	0.01	217.00	0.50	535	5	8.52	0.42	10
118	smooth	17.88	0.01	86.36	0.01	298.45	0.79	779	5	11.52	0.29	10
119	smooth	17.81	0.01	60.71	0.01	238.00	0.50	382	5	6.19	0.25	10
120	smooth	18.35	0.01	90.59	0.01	278.00	0.50	1059	5	19.89	0.49	9
121	smooth	29.16	0.01	84.94	0.01	247.65	0.79	1006	15	4.75	0.09	10
122	smooth	26.09	0.00	58.80	0.00	229.87	1.27	358	5	5.15	0.10	10
123	smooth	18.87	0.01	91.12	0.01	253.30	0.50	980	50	13.99	0.30	9
124	smooth	19.00	0.50	85.90	0.50	300.00	0.50	1100	5	17.55	0.65	10
125	smooth	32.14	0.01	71.67	0.01	249.00	0.50	720	25	2.64	0.16	10

(table continued...)

Table S1. (cont'd)

no.	bottle shape	neck dia.	neck dia. uncertainty	max dia.	max dia. uncertainty	bottle height	bottle height uncertainty	bottle volume	bottle vol. uncertainty	avg. emptying time	std. deviation	number of trials
		d	$\pm u_d$	D	$\pm u_D$	H	$\pm u_H$	V	$\pm u_V$	$\bar{T}_e$	s	n
[-]	[-]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[ml]	[ml]	[s]	[s]	[-]
126	smooth	16.92	0.01	61.78	0.01	246.40	0.05	373	5	6.53	0.16	10
127	smooth	17.60	0.01	64.52	0.01	281.00	0.50	514	5	9.24	0.42	10
128	smooth	27.98	0.01	150.00	0.50	302.00	0.50	3960	5	21.04	0.49	10
129	smooth	26.17	0.02	111.85	0.02	326.00	2.00	1785	13	11.87	0.40	10
130	smooth	23.87	0.01	65.77	0.01	114.33	0.01	162	5	1.08	0.12	10
131	smooth	24.00	0.01	84.00	0.01	303.21	0.40	1390	5	18.22	0.46	10
132	other	44.75	0.01	73.71	0.01	58.72	0.01	177	30	0.37	0.16	10
133	other	19.05	0.01	58.27	0.01	195.00	0.50	320	5	4.59	0.15	10
134	other	19.01	0.40	45.98	0.40	224.20	0.40	205	5	3.61	0.10	10
135	other	21.74	0.01	64.89	0.01	161.00	0.05	400	5	4.83	0.24	10
136	other	16.30	0.40	73.00	0.40	160.30	0.80	450	13	7.93	0.46	10
137	other	24.26	0.01	73.00	3.00	310.00	2.00	800	25	10.40	0.74	10
138	other	37.36	0.01	63.36	0.01	190.00	0.50	457	5	1.05	0.15	10
139	other	29.13	0.01	60.61	0.01	188.00	0.50	323	5	1.85	0.12	10
140	other	27.96	0.01	65.54	0.01	203.00	0.50	494	5	2.65	0.17	10
141	other	58.41	0.01	85.12	0.01	160.00	0.50	751	5	1.00	0.07	10
142	other	29.81	0.01	64.38	0.01	205.00	0.50	371	5	1.66	0.18	10
143	other	32.04	0.01	50.53	0.01	188.00	0.50	258	5	1.13	0.16	10
144	other	41.72	0.01	89.10	0.01	247.00	0.50	1037	5	1.90	0.21	10
145	other	28.87	0.01	69.52	0.01	146.00	0.50	371	5	1.89	0.19	10
146	other	27.87	0.01	66.42	0.01	194.00	0.50	472	5	2.69	0.32	10
147	other	19.10	0.80	76.20	0.80	295.20	0.80	750	25	10.88	0.60	10
148	other	45.80	0.01	79.28	0.01	155.58	0.79	467	5	1.38	0.17	10
149	other	26.21	0.01	71.58	0.01	219.00	0.50	798	5	6.85	0.24	10
150	other	28.63	0.01	76.10	0.01	215.90	0.01	591	5	3.48	0.31	10

(table continued...)

Table S1. (cont'd)

no.	bottle shape	neck dia.	neck dia. uncertainty	max dia.	max dia. uncertainty	bottle height	bottle height uncertainty	bottle volume	bottle vol. uncertainty	avg. emptying time	std. deviation	number of trials
		d	$\pm u_d$	D	$\pm u_D$	H	$\pm u_H$	V	$\pm u_V$	$\bar{T}_e$	s	n
[-]	[-]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[ml]	[ml]	[s]	[s]	[-]
151	other	25.46	0.00	87.78	0.00	154.00	0.50	608	5	4.66	0.07	10
152	other	27.35	0.00	65.49	0.00	198.00	0.50	794	5	5.47	0.05	10
153	other	52.36	0.01	90.70	0.01	247.65	0.40	1217	5	1.48	0.13	10
154	other	34.29	0.05	71.12	0.05	247.65	0.05	744	63	2.49	0.12	10
155	other	21.49	0.00	81.69	0.00	176.53	1.27	262	5	3.44	0.04	10
156	other	73.33	0.01	80.12	0.01	154.50	0.50	495	50	0.69	0.07	10
157	other	90.64	0.01	100.61	0.01	203.30	0.50	1000	50	0.90	0.06	10
158	other	82.20	0.01	87.78	0.01	148.80	0.50	460	50	0.79	0.07	10
159	other	71.18	0.01	84.49	0.01	95.57	0.50	400	50	0.52	0.07	10
160	other	72.21	0.01	120.00	0.01	219.90	0.50	1125	50	0.98	0.06	10
161	other	54.41	0.01	77.75	0.01	135.58	0.50	400	50	0.81	0.04	10
162	other	37.03	0.01	122.39	0.01	220.98	2.54	745	14	3.05	0.26	10
163	other	30.22	0.01	62.50	0.01	244.48	0.40	527	5	6.80	0.12	10
164	other	61.01	0.01	86.94	0.01	266.70	0.40	1179	5	1.93	0.08	10
165	other	12.00	0.50	70.00	0.50	127.00	0.50	275	25	6.72	0.38	10
166	other	19.00	0.50	74.80	0.50	155.00	0.50	350	25	8.64	0.36	10
167	other	19.00	0.50	68.40	0.50	189.00	0.50	400	25	7.24	0.33	10
168	other	53.75	0.01	91.85	0.01	215.90	1.27	1000	5	1.38	0.13	10
169	other	19.20	0.01	102.06	0.01	187.33	0.79	370	5	5.51	0.47	10
170	other	44.70	0.02	65.36	0.02	125.00	1.00	220	5	0.97	0.18	10
171	other	24.90	0.01	92.13	0.01	171.00	0.05	520	5	5.13	0.25	10
172	other	35.00	0.40	70.00	0.40	260.00	0.40	830	5	2.43	0.04	10
173	other	69.00	0.40	70.00	0.40	230.00	0.40	942	5	1.29	0.08	10
174	other	25.24	0.01	54.94	0.01	221.00	5.00	820	5	7.14	0.30	10
175	other	35.62	0.05	59.47	0.05	155.00	0.50	320	5	1.62	0.10	10

(table continued...)

Table S1. (cont'd)

no.	bottle shape	neck dia.	neck dia. uncertainty	max dia.	max dia. uncertainty	bottle height	bottle height uncertainty	bottle volume	bottle vol. uncertainty	avg. emptying time	std. deviation	number of trials
		d	$\pm u_d$	D	$\pm u_D$	H	$\pm u_H$	V	$\pm u_V$	$\bar{T}_e$	s	n
[-]	[-]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[ml]	[ml]	[s]	[s]	[-]
176	other	19.19	0.01	88.39	0.01	165.10	0.05	262	5	3.67	0.31	10
177	other	16.62	0.01	90.48	0.01	227.00	0.50	802	5	16.58	0.76	10
178	other	20.09	0.02	68.89	0.02	214.00	2.00	480	13	6.26	0.55	10
179	other	19.93	0.02	79.31	0.02	308.00	2.00	780	13	8.85	0.20	10
180	other	17.96	0.02	87.15	0.02	296.00	2.00	795	13	11.66	0.52	10
181	other	22.38	0.01	95.35	0.01	210.00	0.50	370	10	3.55	0.16	10
182	other	46.67	0.01	74.67	0.01	156.00	0.50	470	5	1.51	0.16	10
183	other	18.71	0.01	81.00	0.50	289.00	0.50	790	10	9.92	0.41	10
184	other	56.72	0.03	86.92	0.03	196.85	1.59	781	30	1.29	0.20	10
185	other	42.88	0.03	73.53	0.03	231.78	1.59	686	30	1.39	0.09	10
186	other	29.93	0.01	66.50	0.01	192.00	0.50	540	13	2.58	0.16	10
187	other	19.84	0.01	69.50	0.01	233.00	0.05	520	10	6.81	0.29	10
188	other	29.62	0.03	61.54	0.03	196.85	1.59	372	5	1.97	0.12	10
189	other	12.45	0.01	31.45	0.01	78.50	0.01	35	1	2.00	0.21	10
190	other	29.84	0.01	84.45	0.01	275.00	0.50	1025	25	4.68	0.13	10
191	other	13.04	0.01	46.22	0.01	150.00	0.50	125	13	3.47	0.30	10
192	square	16.95	0.01	68.01	0.00	180.49	0.01	473	5	12.96	1.73	10
193	smooth	33.00	0.01	83.00	0.01	260.00	0.50	1125	30	3.11	0.21	10
194	other	38.23	0.01	38.23	0.01	190.50	0.79	207	5	1.14	0.10	10
195	other	44.45	0.05	73.40	0.05	225.00	0.05	597	5	1.41	0.04	10
196	square	17.51	0.05	106.80	0.05	218.50	0.50	781	5	11.34	0.69	10
197	square	33.00	0.50	70.00	0.50	140.00	0.50	275	10	1.34	0.10	10
198	square	29.24	0.01	66.92	0.00	203.00	0.50	510	11	3.05	0.17	10
199	square	18.00	1.00	78.00	1.00	310.00	1.00	750	13	9.87	0.30	10
200	smooth	29.07	0.01	68.05	0.01	193.00	0.50	500	5	3.83	0.17	10

(table continued...)

Table S1. (cont'd)

no.	bottle shape	neck dia.	neck dia. uncertainty	max dia.	max dia. uncertainty	bottle height	bottle height uncertainty	bottle volume	bottle vol. uncertainty	avg. emptying time	std. deviation	number of trials
		d	$\pm u_d$	D	$\pm u_D$	H	$\pm u_H$	V	$\pm u_V$	$\bar{T}_e$	s	n
[-]	[-]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[ml]	[ml]	[s]	[s]	[-]
201	smooth	32.92	0.40	54.85	2.00	152.54	0.20	380	5	1.39	0.09	10
202	smooth	18.50	0.50	82.50	0.50	292.00	0.50	828	15	10.07	0.29	10
203	smooth	17.00	0.05	72.00	0.05	280.50	0.05	750	5	13.42	0.49	10
204	smooth	12.58	0.01	77.75	0.01	200.00	0.50	530	11	41.20	1.80	10
205	smooth	17.96	0.01	90.89	0.01	328.00	0.50	765	5	11.50	0.24	10
206	smooth	30.00	1.00	120.00	1.00	280.00	1.00	1900	13	10.52	0.24	10
207	smooth	19.10	0.50	91.30	0.50	254.00	3.00	1012	5	15.64	0.57	10
208	smooth	32.86	0.50	98.94	0.50	224.00	0.50	964	5	3.44	0.25	10
209	smooth	15.56	0.01	340.00	5.00	305.00	1.00	1822	5	22.51	0.62	10
210	smooth	17.00	0.50	105.00	0.50	335.00	0.50	1560	5	23.93	0.83	10
211	smooth	18.70	0.50	82.10	0.50	373.10	0.50	770	10	10.20	0.49	10
212	smooth	17.60	0.50	60.50	0.50	246.10	0.50	360	5	7.52	0.34	10
213	smooth	28.68	0.01	104.85	0.01	184.15	0.79	1003	5	5.32	0.32	10
214	smooth	25.04	0.01	81.23	0.01	171.45	0.40	270	5	2.47	0.10	10
215	smooth	17.08	0.01	62.49	0.01	247.00	1.00	380	10	6.78	0.39	10
216	smooth	16.67	0.01	79.37	0.01	285.75	0.01	1060	10	19.60	0.60	10
217	smooth	30.00	0.50	75.00	0.50	171.00	0.50	500	5	2.54	0.23	10
218	smooth	17.02	1.27	88.90	1.27	317.50	1.27	1030	127	16.43	0.68	10
219	smooth	10.18	0.01	68.18	0.01	105.00	0.50	195	5	26.36	7.25	10
220	smooth	13.49	0.79	57.15	1.59	238.13	1.59	375	13	5.15	0.16	10
221	smooth	28.70	0.01	71.52	0.01	184.00	0.50	501	5	2.42	0.15	10
222	other	24.00	0.01	88.90	1.27	134.62	0.13	405	5	3.51	0.26	10
223	other	23.93	0.01	91.44	1.27	136.40	0.13	1034	5	8.72	0.26	10
224	other	21.00	0.50	86.00	0.50	252.00	0.50	750	5	8.26	0.50	10
225	other	26.50	0.01	95.00	1.27	221.00	1.27	1050	5	7.65	0.36	10

(table continued...)

Table S1. (cont'd)

no.	bottle shape	neck dia.	neck dia. uncertainty	max dia.	max dia. uncertainty	bottle height	bottle height uncertainty	bottle volume	bottle vol. uncertainty	avg. emptying time	std. deviation	number of trials
		d	$\pm u_d$	D	$\pm u_D$	H	$\pm u_H$	V	$\pm u_V$	$\bar{T}_e$	s	n
[-]	[-]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[ml]	[ml]	[s]	[s]	[-]
226	other	30.50	0.01	96.50	1.27	213.40	1.27	1390	5	6.27	0.38	10
227	other	18.75	0.01	96.81	0.01	256.60	0.50	794	5	10.01	0.24	10
228	other	25.84	0.01	72.00	0.50	220.00	0.50	800	5	6.70	0.20	10
229	other	13.50	0.01	54.60	0.01	188.00	0.50	250	50	7.43	0.62	10
230	other	24.00	0.01	57.60	0.01	227.50	0.50	425	50	4.13	0.21	10
231	other	19.21	0.01	86.50	0.01	288.50	0.50	1033	5	14.03	0.35	10
232	other	25.17	0.01	109.54	0.01	330.50	0.50	1791	5	10.01	0.43	10
233	other	33.00	0.50	93.00	0.50	125.00	0.50	250	10	1.09	0.07	10
234	other	20.50	0.50	76.50	0.50	332.50	0.50	786	5	10.65	0.54	10
235	other	22.50	0.50	97.50	0.50	208.50	0.50	1054	5	10.35	0.77	10
236	other	20.20	0.01	90.98	0.01	485.00	0.50	1100	5	10.12	0.25	10
237	other	20.24	0.20	96.40	0.50	230.20	0.40	795	5	9.17	0.28	10
238	other	20.50	0.50	74.50	0.50	283.00	0.50	780	5	9.22	0.51	10
239	other	45.00	0.01	75.77	0.01	260.00	0.50	925	6	1.14	0.06	10
240	other	19.66	0.01	67.40	0.01	142.00	0.01	360	6	11.25	1.31	10
241	other	19.22	0.01	58.83	0.01	165.10	0.05	320	5	4.15	0.18	10
242	other	53.51	0.01	71.37	0.01	183.90	0.05	990	5	1.19	0.07	10
243	other	18.52	0.01	72.75	0.01	342.90	1.27	780	5	18.12	0.39	10
244	other	20.22	0.01	70.83	0.01	279.40	1.27	780	5	19.06	0.28	10
245	other	27.54	0.02	67.79	0.02	197.00	1.00	510	30	3.10	0.12	10
246	other	27.13	0.02	-	-	200.00	1.00	1025	30	6.26	0.13	10
247	other	49.21	0.01	57.22	0.01	185.20	0.05	561	5	1.51	0.19	10
248	other	21.81	0.01	116.31	0.01	318.60	0.50	1799	5	18.94	1.01	10
249	other	22.00	0.05	90.17	0.01	207.10	0.05	582	10	6.96	0.47	10
250	other	34.50	0.50	122.00	0.50	255.50	0.50	1930	10	6.86	0.28	10

(table continued...)

Table S1. (cont'd)

no.	bottle shape	neck dia.	neck dia. uncertainty	max dia.	max dia. uncertainty	bottle height	bottle height uncertainty	bottle volume	bottle vol. uncertainty	avg. emptying time	std. deviation	number of trials
		d	$\pm u_d$	D	$\pm u_D$	H	$\pm u_H$	V	$\pm u_V$	$\bar{T}_e$	s	n
[-]	[-]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[ml]	[ml]	[s]	[s]	[-]
251	other	11.92	0.01	94.68	0.01	227.33	1.27	1040	5	57.41	1.50	10
252	other	27.56	0.01	113.58	0.01	248.92	1.27	1350	5	18.72	0.53	10
253	other	19.05	1.52	106.43	1.52	228.60	1.52	775	10	13.95	0.59	10
254	other	20.57	1.52	92.20	1.52	257.30	1.52	775	10	8.59	0.30	10
255	other	26.96	0.01	79.19	0.01	210.80	1.59	510	5	3.49	0.17	10
256	other	35.25	0.01	43.17	0.01	266.70	1.59	840	5	2.87	0.13	10
257	other	21.80	0.01	91.00	10.00	200.00	10.00	754	5	8.91	0.22	10
258	other	22.00	0.50	95.00	0.50	230.00	0.50	1000	5	10.32	0.45	10
259	other	38.10	0.79	95.25	0.79	203.20	0.79	1010	5	2.68	0.38	10
260	other	22.90	0.79	40.63	0.79	107.95	0.79	80	5	0.84	0.16	10
261	other	8.18	0.01	28.88	0.01	78.51	0.01	10	1	2.32	0.30	10
262	other	18.28	0.01	65.52	0.01	225.43	0.79	395	10	6.18	0.30	10
263	other	27.69	0.01	98.76	0.01	249.24	0.40	1005	5	5.50	0.28	10
264	other	28.35	0.01	67.20	0.01	186.00	1.00	473	30	2.78	0.14	10
265	other	24.45	0.01	93.35	0.01	200.00	1.00	1006	30	10.74	0.24	10
266	other	30.48	0.01	92.25	0.01	177.80	0.25	548	5	5.00	0.29	10
267	other	29.70	0.01	93.35	0.01	292.10	0.25	1305	5	8.18	0.30	10
268	other	25.40	0.79	82.55	0.79	219.96	0.79	828	59	7.89	0.09	10
269	other	38.00	0.50	38.00	0.50	72.00	0.50	90	10	0.75	0.05	10
270	other	56.00	0.50	84.00	0.50	215.00	0.50	1060	14	1.22	0.05	10
271	other	25.40	0.01	77.84	0.05	260.40	0.05	1460	5	8.00	0.39	10
272	other	21.90	0.01	72.45	0.01	215.90	0.05	513	13	7.54	0.30	10
273	other	30.75	0.01	65.89	0.01	188.10	0.05	500	13	2.44	0.15	10
274	other	25.43	0.01	86.22	0.01	219.00	1.00	900	10	6.85	0.21	10
275	other	28.65	0.01	81.85	0.01	184.00	0.50	530	5	3.06	0.17	10

(table continued...)

Table S1. (cont'd)

no.	bottle shape	neck dia.	neck dia. uncertainty	max dia.	max dia. uncertainty	bottle height	bottle height uncertainty	bottle volume	bottle vol. uncertainty	avg. emptying time	std. deviation	number of trials
		d	$\pm u_d$	D	$\pm u_D$	H	$\pm u_H$	V	$\pm u_V$	$\bar{T}_e$	s	n
[-]	[-]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[ml]	[ml]	[s]	[s]	[-]
276	other	21.78	0.01	67.77	0.01	182.00	0.50	450	5	6.18	0.28	10
277	other	19.47	0.01	75.91	0.01	284.16	0.79	791	5	9.48	0.34	10
278	other	20.00	0.01	95.94	0.13	219.08	0.79	400	10	5.40	0.26	10
279	other	20.00	0.50	75.50	0.50	291.00	0.50	750	5	10.44	0.26	10
280	other	37.04	0.01	68.18	0.01	178.00	0.50	425	5	1.21	0.18	10
281	other	20.78	0.01	93.98	0.01	193.68	0.03	364	5	5.28	0.09	10
282	other	20.64	0.79	127.00	1.59	292.10	1.59	1900	13	20.66	0.73	10
283	other	13.00	0.50	28.58	-	104.78	-	55	5	3.31	0.23	10
284	other	23.00	0.50	-	-	-	-	236	5	2.98	0.08	10
285	other	23.00	0.50	-	-	-	-	236	5	2.80	0.15	10
286	other	20.00	0.50	-	-	-	-	250	5	5.39	0.35	10
287	smooth	23.81	1.59	76.20	-	107.95	-	325	5	3.02	0.19	10
288	square	19.05	0.79	57.15	-	165.10	-	345	5	5.38	0.12	10
289	other	25.00	0.50	-	-	-	-	355	5	3.10	0.18	10
290	other	14.20	0.50	63.50	-	203.20	-	365	5	7.79	0.38	10
291	other	19.00	0.50	-	-	-	-	372	5	10.17	0.18	10
292	smooth	19.00	0.50	63.50	-	190.50	-	375	5	5.50	0.32	10
293	other	37.00	0.50	63.50	-	190.50	-	460	5	1.21	0.28	10
294	square	19.05	0.79	69.85	-	171.45	-	495	5	10.16	0.11	10
295	other	23.00	0.50	-	-	-	-	500	5	2.95	0.05	10
296	smooth	26.00	0.50	63.50	-	209.55	-	520	5	4.49	0.19	10
297	other	57.00	0.50	-	-	-	-	580	5	1.00	0.17	10
298	smooth	17.46	0.79	69.85	-	279.40	-	736	5	10.04	0.54	10
299	smooth	16.00	0.50	-	-	-	-	748	5	7.50	0.44	10
300	smooth	17.00	0.50	76.20	-	292.10	-	770	5	12.50	0.53	10

(table continued...)

Table S1. (cont'd)

no.	bottle shape	neck dia.	neck dia. uncertainty	max dia.	max dia. uncertainty	bottle height	bottle height uncertainty	bottle volume	bottle vol. uncertainty	avg. emptying time	std. deviation	number of trials
		d	$\pm u_d$	D	$\pm u_D$	H	$\pm u_H$	V	$\pm u_V$	$\bar{T}_e$	s	n
[-]	[-]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[ml]	[ml]	[s]	[s]	[-]
301	smooth	18.50	0.50	76.20	-	260.35	-	780	5	14.09	0.76	10
302	square	26.00	1.00	69.85	-	222.25	-	780	5	6.83	0.32	10
303	square	44.45	0.40	69.85	-	215.90	-	780	5	1.86	0.22	10
304	other	20.00	0.50	82.55	-	247.65	-	780	5	8.70	0.58	10
305	other	18.50	0.50	69.85	-	247.65	-	780	5	10.61	0.28	10
306	other	19.00	0.50	60.33	-	333.38	-	780	5	9.49	0.59	10
307	other	21.00	0.50	69.85	-	304.80	-	785	5	8.29	0.28	10
308	square	19.50	0.50	69.85	-	342.90	-	810	5	12.65	0.32	10
309	square	34.00	0.50	82.55	-	215.90	-	950	5	3.37	0.15	10
310	other	38.50	0.50	88.90	-	203.20	-	1000	5	2.48	0.16	10
311	smooth	19.05	2.54	76.20	-	311.15	-	1040	5	17.49	1.16	10
312	other	24.00	0.50	-	-	-	-	1500	5	21.06	0.74	10
313	smooth	20.50	0.50	-	-	-	-	1500	5	12.19	0.66	10
314	smooth	31.00	0.50	127.00	-	215.90	-	1570	5	7.51	0.20	10
315	other	35.00	0.50	-	-	-	-	1780	5	5.18	0.13	10
316	other	32.00	0.50	82.55	-	438.15	-	1800	5	14.34	0.35	10
317	other	25.00	0.50	114.30	-	304.80	-	1820	5	16.21	0.92	10
318	other	33.00	0.50	-	-	-	-	1890	5	6.80	0.45	10
319	smooth	22.23	0.01	-	-	-	-	258	5	3.45	0.23	10
320	smooth	20.00	0.50	-	-	-	-	358	5	6.19	0.20	10
321	smooth	19.00	0.50	-	-	-	-	364	5	5.42	0.28	10
322	smooth	18.26	0.40	-	-	-	-	678	5	9.30	0.41	10
323	smooth	17.46	0.79	-	-	-	-	763	5	11.17	0.57	10
324	smooth	20.00	0.50	-	-	-	-	775	5	9.69	0.47	10
325	smooth	18.00	0.50	-	-	-	-	778	5	9.26	0.43	10

(table continued...)

Table S1. (cont'd)

no.	bottle shape	neck dia.	neck dia. uncertainty	max dia.	max dia. uncertainty	bottle height	bottle height uncertainty	bottle volume	bottle vol. uncertainty	avg. emptying time	std. deviation	number of trials
		d	$\pm u_d$	D	$\pm u_D$	H	$\pm u_H$	V	$\pm u_V$	$\bar{T}_e$	s	n
[-]	[-]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[ml]	[ml]	[s]	[s]	[-]
326	smooth	15.88	1.59	-	-	-	-	800	5	10.82	0.41	10
327	smooth	19.05	0.79	-	-	-	-	1050	5	17.31	0.63	10
328	smooth	19.00	0.50	-	-	-	-	261	5	4.09	0.33	10
329	smooth	18.00	0.50	-	-	-	-	346	5	5.17	0.50	10
330	smooth	19.00	0.50	-	-	-	-	371	5	5.45	0.28	10
331	smooth	18.00	0.50	-	-	-	-	376	5	7.15	0.43	10
332	smooth	17.78	1.27	-	-	-	-	376	5	6.65	0.20	10
333	smooth	18.65	0.40	-	-	-	-	391	5	5.75	0.31	10
334	smooth	20.32	1.27	-	-	-	-	767	5	9.20	0.44	10
335	smooth	19.05	0.79	-	-	-	-	767	5	9.40	0.78	10
336	smooth	20.00	0.50	-	-	-	-	767	5	9.75	0.59	10
337	smooth	19.05	0.79	-	-	-	-	767	5	8.65	0.56	10
338	smooth	20.00	1.00	-	-	-	-	772	5	9.75	0.44	10
339	smooth	18.00	0.50	-	-	-	-	772	5	9.89	0.52	10
340	smooth	15.88	0.79	-	-	-	-	772	5	11.32	0.23	10
341	smooth	18.00	0.50	-	-	-	-	772	5	8.40	0.32	10
342	smooth	17.50	0.50	-	-	-	-	777	5	10.63	0.43	10
343	smooth	19.00	0.50	-	-	-	-	782	5	12.93	0.56	10
344	smooth	16.67	0.79	-	-	-	-	782	5	12.71	0.79	10
345	smooth	18.50	0.50	-	-	-	-	782	5	12.75	0.55	10
346	smooth	19.00	0.50	-	-	-	-	787	5	13.36	0.59	10
347	smooth	19.05	0.79	-	-	-	-	997	5	13.84	0.28	10
348	smooth	22.00	0.50	-	-	-	-	1052	5	9.95	0.48	10
349	smooth	19.00	0.50	-	-	-	-	1303	5	11.29	0.35	10
350	smooth	18.50	0.03	-	-	-	-	1523	5	20.66	0.99	10

(table continued...)

Table S1. (cont'd)

no.	bottle shape	neck dia.	neck dia. uncertainty	max dia.	max dia. uncertainty	bottle height	bottle height uncertainty	bottle volume	bottle vol. uncertainty	avg. emptying time	std. deviation	number of trials
		d	$\pm u_d$	D	$\pm u_D$	H	$\pm u_H$	V	$\pm u_V$	$\bar{T}_e$	s	n
[-]	[-]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[ml]	[ml]	[s]	[s]	[-]
351	square	13.49	0.40	-	-	-	-	52	5	3.55	0.25	10
352	square	18.00	0.50	-	-	-	-	363	5	7.15	0.21	10
353	square	30.00	0.50	-	-	-	-	591	5	2.83	0.08	10
354	square	21.00	0.50	-	-	-	-	797	5	13.63	0.54	10
355	square	21.50	0.50	-	-	-	-	1027	5	12.85	0.42	10
356	square	21.00	0.50	-	-	-	-	1027	5	11.92	0.39	10
357	square	34.93	0.79	-	-	-	-	1407	5	5.83	0.22	10
358	square	21.50	0.50	-	-	-	-	1520	5	19.64	1.17	10
359	square	20.54	0.10	-	-	-	-	1552	5	24.79	0.54	10
360	square	20.64	0.79	-	-	-	-	2110	5	31.69	0.90	10
361	square	20.65	1.59	-	-	-	-	486	5	9.18	0.37	10
362	square	30.00	0.50	-	-	-	-	611	5	2.44	0.19	10
363	square	30.00	0.50	-	-	-	-	631	5	2.64	0.18	10
364	square	22.00	0.50	-	-	-	-	721	5	8.59	0.40	10
365	square	18.00	0.50	-	-	-	-	726	5	15.75	0.76	10
366	square	30.16	0.79	-	-	-	-	1182	5	6.92	0.14	10
367	square	31.00	0.50	-	-	-	-	19218	5	73.36	3.14	4
368	square	49.00	0.50	254.00	12.70	457.20	12.70	19536	5	38.91	0.93	4
369	square	30.16	1.59	-	-	-	-	26663	5	91.00	3.61	3
370	square	31.75	1.59	254.00	12.70	469.90	12.70	19176	5	72.00	1.00	3
371	other	14.00	0.50	-	-	-	-	69	5	2.78	0.32	10
372	other	15.00	0.50	-	-	-	-	156	5	4.67	0.09	10
373	other	15.00	0.50	-	-	-	-	166	5	4.70	0.19	10
374	other	42.86	0.79	-	-	-	-	182	5	0.72	0.16	10
375	other	15.00	0.50	-	-	-	-	214	5	7.24	0.60	10

(table continued...)

Table S1. (cont'd)

no.	bottle shape	neck dia.	neck dia. uncertainty	max dia.	max dia. uncertainty	bottle height	bottle height uncertainty	bottle volume	bottle vol. uncertainty	avg. emptying time	std. deviation	number of trials
		d	$\pm u_d$	D	$\pm u_D$	H	$\pm u_H$	V	$\pm u_V$	$\bar{T}_e$	s	n
[-]	[-]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[ml]	[ml]	[s]	[s]	[-]
376	other	23.00	0.50	-	-	-	-	271	5	3.09	0.17	10
377	other	29.46	0.25	-	-	-	-	479	5	2.66	0.17	10
378	other	20.64	0.79	-	-	-	-	500	5	7.02	0.35	10
379	other	30.00	0.50	-	-	-	-	522	5	3.29	0.12	10
380	other	17.46	0.40	-	-	-	-	607	5	12.87	0.20	10
381	other	34.00	0.50	-	-	-	-	611	5	1.96	0.09	10
382	other	22.00	0.50	-	-	-	-	625	5	7.62	0.29	10
383	other	29.50	0.50	-	-	-	-	785	5	7.81	0.48	10
384	other	64.00	0.50	-	-	-	-	867	5	1.04	0.12	10
385	other	45.00	0.50	-	-	-	-	1017	5	1.79	0.10	10
386	other	19.50	0.50	-	-	-	-	1070	5	19.10	1.37	10
387	other	20.64	0.79	-	-	-	-	1110	5	12.75	1.11	10
388	other	25.00	0.50	-	-	-	-	1135	5	9.31	0.71	10
389	other	20.00	0.50	-	-	-	-	1250	5	20.53	0.57	10
390	other	50.00	0.50	-	-	-	-	1830	5	6.01	0.55	10
391	other	34.13	0.79	-	-	-	-	1950	5	7.49	0.37	10
392	other	30.00	0.50	-	-	-	-	2005	5	9.14	0.57	10
393	other	31.00	0.50	-	-	-	-	2165	5	10.94	0.84	10
394	other	34.00	1.00	-	-	-	-	2945	5	10.90	0.35	10
395	other	30.00	0.50	-	-	-	-	100	5	0.74	0.10	10
396	other	22.00	0.50	-	-	-	-	240	5	2.70	0.18	10
397	other	21.50	0.50	-	-	-	-	266	5	3.19	0.19	10
398	other	30.16	0.79	-	-	-	-	336	5	2.20	0.10	10
399	other	30.00	0.50	-	-	-	-	376	5	1.66	0.21	10
400	other	22.00	0.50	-	-	-	-	381	5	4.10	0.22	10

(table continued...)

Table S1. (cont'd)

no.	bottle shape	neck dia.	neck dia. uncertainty	max dia.	max dia. uncertainty	bottle height	bottle height uncertainty	bottle volume	bottle vol. uncertainty	avg. emptying time	std. deviation	number of trials
		d	$\pm u_d$	D	$\pm u_D$	H	$\pm u_H$	V	$\pm u_V$	$\bar{T}_e$	s	n
[-]	[-]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[ml]	[ml]	[s]	[s]	[-]
401	other	19.00	0.50	-	-	-	-	391	5	4.68	0.51	10
402	other	20.00	0.50	-	-	-	-	391	5	5.34	0.27	10
403	other	30.48	0.79	-	-	-	-	496	5	2.89	0.27	10
404	other	29.37	0.79	-	-	-	-	511	5	2.79	0.16	10
405	other	20.50	0.50	-	-	-	-	516	5	7.82	0.38	10
406	other	18.54	0.21	-	-	-	-	521	5	8.25	0.07	10
407	other	28.58	0.40	-	-	-	-	531	5	3.13	0.19	10
408	other	18.00	0.50	-	-	-	-	777	5	9.94	0.14	10
409	other	19.00	0.50	-	-	-	-	792	5	9.32	0.44	10
410	other	34.00	0.50	-	-	-	-	972	5	3.28	0.14	10
411	other	40.00	0.50	-	-	-	-	977	5	4.00	0.11	10
412	other	22.00	0.50	-	-	-	-	1017	5	13.26	0.64	10
413	other	30.48	0.25	-	-	-	-	1042	5	5.71	0.21	10
414	other	22.23	0.79	-	-	-	-	1258	5	17.20	1.55	10
415	other	53.00	0.50	-	-	-	-	1408	5	1.60	0.11	10
416	other	35.00	0.50	-	-	-	-	1779	5	6.37	0.35	10
417	other	25.40	0.25	-	-	-	-	1819	5	9.08	0.36	10
418	other	35.00	0.50	72.00	0.50	217.00	0.70	818	5	6.38	0.23	25
419	other	25.40	1.27	69.90	2.54	216.00	2.54	803	8	6.26	0.19	25
420	other	48.30	1.30	67.30	1.30	177.80	1.30	651	5	0.92	0.12	25
421	other	23.00	0.50	74.00	0.50	296.00	0.50	1000	5	11.46	0.41	25
422	other	34.00	0.50	91.00	0.50	205.00	0.50	900	25	4.57	0.19	25
423	other	30.00	0.50	72.00	0.50	200.00	0.50	591	5	2.97	0.05	25
424	other	28.00	0.51	66.80	0.25	200.00	1.59	500	25	2.50	0.20	25
425	other	22.22	0.79	57.15	0.79	222.25	0.79	355	5	5.09	0.37	25

(table continued...)

Table S1. (cont'd)

no.	bottle shape	neck dia.	neck dia. uncertainty	max dia.	max dia. uncertainty	bottle height	bottle height uncertainty	bottle volume	bottle vol. uncertainty	avg. emptying time	std. deviation	number of trials
		d	$\pm u_d$	D	$\pm u_D$	H	$\pm u_H$	V	$\pm u_V$	$\bar{T}_e$	s	n
[-]	[-]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[ml]	[ml]	[s]	[s]	[-]
426	other	18.62	0.01	70.36	0.01	193.70	1.59	386	5	4.93	0.26	25
427	other	19.05	0.01	79.18	0.01	137.32	0.01	350	13	7.99	0.85	25
428	other	27.00	0.50	63.00	0.50	210.00	0.50	470	50	3.05	0.14	25
429	other	19.05	0.79	69.85	0.79	282.58	0.79	700	25	9.65	0.62	25
430	other	34.30	1.30	81.30	1.30	218.40	0.60	1038	13	2.96	0.29	25
431	other	19.05	0.79	73.66	0.79	292.10	0.79	675	7	9.21	0.26	25
432	other	20.64	0.80	76.20	0.80	280.42	0.80	800	25	9.65	0.55	25
433	other	50.80	0.79	69.85	0.79	234.95	0.79	950	5	1.11	0.08	25
434	other	12.00	0.50	35.00	0.50	88.00	0.50	30	1	2.32	0.22	25
435	other	29.23	0.01	128.61	0.01	210.00	0.05	1680	25	7.11	0.41	25
436	other	14.71	0.01	-	-	-	-	30	1	1.50	0.42	25
437	other	18.00	0.50	63.00	0.50	179.00	0.50	350	50	6.01	0.16	25
438	other	17.50	1.00	60.00	5.00	240.00	5.00	355	5	7.20	0.37	25
439	other	25.00	0.05	52.00	0.05	187.00	0.05	275	13	4.52	0.23	25
440	other	30.48	1.27	58.42	1.27	167.64	1.27	313	13	1.86	0.11	25
441	other	18.00	0.50	57.00	0.50	145.00	0.50	375	5	6.95	0.37	25
442	other	31.00	0.50	87.00	5.00	216.00	5.00	979	5	5.44	0.40	25
443	other	30.16	0.79	123.83	0.79	-	-	1925	13	10.23	0.49	25
444	other	14.00	0.50	37.00	0.50	80.00	0.50	72	5	5.72	1.67	25
445	other	33.50	0.05	69.00	0.50	224.00	0.50	665	5	7.59	0.35	25
446	other	21.84	0.25	68.58	0.25	235.71	0.25	754	5	7.25	0.22	25
447	other	18.00	1.00	48.00	2.00	243.00	2.00	370	10	5.70	0.41	25
448	other	20.50	0.50	71.50	0.50	293.00	0.50	834	5	9.75	0.38	25
449	other	19.00	0.50	88.00	0.50	235.00	0.50	950	25	17.61	1.06	25
450	other	19.60	0.10	60.50	0.10	187.50	0.10	300	5	4.06	0.36	25

Table S1. (cont'd)

no.	bottle shape	neck dia.	neck dia. uncertainty	max dia.	max dia. uncertainty	bottle height	bottle height uncertainty	bottle volume	bottle vol. uncertainty	avg. emptying time	std. deviation	number of trials
		d	$\pm u_d$	D	$\pm u_D$	H	$\pm u_H$	V	$\pm u_V$	$\bar{T}_e$	s	n
[-]	[-]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[ml]	[ml]	[s]	[s]	[-]
451	other	22.86	1.27	54.61	1.27	137.16	1.27	243	25	7.25	0.38	25
452	other	19.05	0.40	76.20	0.40	241.30	0.40	810	5	9.06	0.37	25
453	other	19.00	0.50	80.00	0.50	260.00	0.50	998	100	16.07	1.25	25
454	other	56.29	0.01	82.55	0.01	190.50	1.27	825	25	1.06	0.10	25

The following values are for the 15-gallon and 55-gallon "bottles" manufactured by the author.

B1	square	37.50	0.10	368.30	6.35	647.70	12.70	64500	500	114.33	4.16	3
B2	square	25.20	0.10	368.30	6.35	647.70	12.70	64500	500	257.00	1.00	3
B3	square	12.70	0.10	368.30	6.35	647.70	12.70	64500	500	1472.00	36.71	4
B4	square	37.50	0.10	596.90	12.70	889.00	12.70	225000	5000	385.75	3.86	4
B5	square	25.20	0.10	596.90	12.70	889.00	12.70	225000	5000	803.33	7.37	3
B6	square	12.70	0.10	596.90	12.70	889.00	12.70	225000	5000	6093.75	584.01	4

The following values are for the bottle with the internal decorative feature and bridge within the neck.

I1	square	26.55	0.01	89.56	0.01	290.00	0.50	814	5	32.96	1.50	10
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