

Sub #	Specific Gravity	Alcohol	Real Extract	Color	Bitterness Units	Protein	Reducing Sugars	Iron	Refractive Index	Copper	Diacetyl	Total Acidity
18	1.00665 AX	3.88 BX	3.51 CX	3.38 D1	9.90 E1							
83								0.01 H2				
110	1.00671 A2	3.85 BX	3.51 CX	3.30 D1	9.76 E1							
133	1.00663 A2	3.86 B5	3.47 CX	3.82 DX	10.19 E1						13.900 K1	
143	1.00700 A2			3.40 D1	8.00 E1			0.01 H2				0.08 L1
144	1.00674 AX	3.87 BX	3.53 CX	3.25 DX	4.65 EX							* 3.36 LX
149	1.00667 A2	3.83 B5		3.40 DX	10.50 E1						0.000 KX	
150	1.00674 A2	3.81 B5	3.50 CX	3.24 D1							10.000 KX	
153	* 1.01300 AX	* 4.03 BX		3.30 D1	10.05 E1						0.000 K1	
155	1.00680 A2	3.86 B5		6.68 D3	11.10 E1							
157	1.00669 A2	3.84 B5		3.30 D1	* 19.20 E1							
161	1.00663 A2	3.79 B2	3.47 C2	3.59 D1	8.00 E1	0.32 F1		0.00 H2		0.12 J3	* 92.000 KX	* 0.53 L1
165	1.00672 AX	3.88 BX	3.53 CX	3.23 DX	9.77 EX						14.000 KX	
169	1.00662 A2	3.82 B5	3.47 CX	3.35 D1	10.00 E1	0.31 FX	1.12 G2	0.02 H2		0.02 J1	0.040 K1	0.10 L1
170	1.00640 A2	3.93 B5	3.51 C1	3.20 D1	10.60 E1							
171	* 1.01000 A2	3.84 BX		3.26 D1	* 0.27 E1							
190	1.00670 A2	3.85 BX	3.51 CX	3.25 D1	9.08 E1						18.100 KX	
191	1.00664 A2	3.84 B5	3.49 CX	3.30 D1	7.60 E1						2.790 KX	
201	1.00669 A2	3.84 BX	3.52 CX	3.28 D1	8.90 E1		0.55 GX	0.01 HX	5.10 I2	0.06 JX		0.12 L1
203				3.60 D1	9.00 E1							
N	16	16	12	17	16	2	2	5		3	8	3
Mean	1.00669	3.85	3.50	3.33	9.19	0.31	0.835	0.010		0.07	7.354	0.10
Min	1.00640	3.79	3.47	3.20	4.65	0.31	0.550	0.00		0.02	0.000	0.08
Max	1.00700	3.93	3.53	3.60	11.10	0.32	1.120	0.02		0.12	18.100	0.12
Std	0.00016	0.03	0.02	0.12	1.57	0.01	0.40	0.01		0.05	7.483	0.02

* Not Included in Mean

Confidentiality Notice: The data contained herein are confidential and intended for subscriber use only. Data from other subscribers are included for comparison purposes only.

BEER-2

American Society of Brewing Chemists
BEER CHECK SERVICE

6/30/2015

Sub #	Calcium	Sodium	pH	Chloride	Foam Collapse Rate	SO ₂	Sulfate	Yeast Fermentable Extract	Air	CO ₂ Volume	Ash
18			4.15 O1			2.30 R2				3.04 VX	
83											
110			3.98 OX		104 Q1				0.13 UX	2.77 V1	
133			4.13 O1		159 QX					3.35 V1	
143			4.20 O1		172 QX				9.50 UX	3.20 VX	
144			4.15 OX								
149			4.20 O1							3.10 VX	
150		55.5 N1	4.17 O1								
153			4.04 O1								
155			4.07 O1		130					2.88 V1	
157			3.98 O1						7.50 UX	3.34 V1	
161	* 200.00 M2		4.15 O1			0.10 R1	0.1 SX			2.20 V1	0.18 W1
165			4.26 OX								
169	56.00 M1	28.0	4.14 O1	292.0 P1	Q2	3.60 R1		TX	13.70 UX	2.60 V1	0.12 W1
170			4.17 O1								
171			4.05 O1								
190			4.23 O1							3.13 VX	
191			4.15 O1							2.69 VX	
201	52.04 MX	52.6 NX	4.19 O1			5.00 RX					0.50 W1
203									12.40 U1	3.46 V1	
N	2	3	18		4	4			5	12	3
Mean	54.02	45.3	4.13		141	2.75			8.65	2.98	0.27
Min	52.04	28.0	3.98		104	0.10			0.13	2.20	0.12
Max	56.00	55.5	4.26		172	5.00			13.70	3.46	0.50
Std	2.80	15.1	0.08		30	2.08			5.34	0.37	0.20

* Not Included in Mean

Confidentiality Notice: The data contained herein are confidential and intended for subscriber use only. Data from other subscribers are included for comparison purposes only.

BEER-2

American Society of Brewing Chemists BEER CHECK SERVICE

6/30/2015

Sub #	Apparent Extract	Total VDK	Pentanedione	Free Amino Nitrogen	Viscosity	Dimethyl Sulfide	Total Haze	Extract of Orig. Wort	Iso-Alpha Acids for Beer
18	1.71 XX	0.08 YX						11.07 3EX	
83									
110	1.72 XX						32.00 DDX	11.02 3EX	
133	1.68 X2		0.038 Z1				27.00 DDX	10.99 BE1	
143	1.80 XX	0.05 YX		64.00 AAX					
144	1.73 XX						329.50 DDX	11.07 3EX	
149									
150	1.73 XX	0.01 YX	0.003 ZX				31.65 DDX	10.84 EE1	
153							1.59 DD3		
155									
157							1.84 DD2		
161	1.80 X1	0.09 Y2						10.86 EE2	
165	1.73 XX	0.02 YX	0.004 ZX				32.90 DDX	11.08 3EX	
169	1.70 X1			95.00 AAX				10.92 EE1	
170	1.64 X1							11.13 EE2	
171									
190	1.72 X2	0.03 YX	0.010 ZX			51.50 CCX		11.02 EE1	
191	1.71 X2	0.00 Y2	0.005 Z2			11.00 CCX	1.33 DD2	10.99 EE1	
201	1.72 X1			86.94 AAX			11.30 DD2	11.00 EE2	
203				56.00 AAX					
N	13	7	4	4		2	8	12	
Mean	1.72	0.04	0.005	75.49		31.25	17.45	11.00	
Min	1.64	0.00	0.003	56.00		11.00	1.33	10.84	
Max	1.80	0.09	0.010	95.00		51.50	32.90	11.13	
Std	0.04	0.03	0.003	18.47		28.64	14.81	0.09	

* Not Included in Mean

Confidentiality Notice: The data contained herein are confidential and intended for subscriber use only. Data from other subscribers are included for comparison purposes only.