

BEER-3

American Society of Brewing Chemists
BEER CHECK SERVICE

9/30/2013

<i>Sub #</i>	<i>Specific Gravity</i>	<i>Alcohol</i>	<i>Real Extract</i>	<i>Color</i>	<i>Bitterness Units</i>	<i>Protein</i>	<i>Reducing Sugars</i>	<i>Iron</i>	<i>Refractive Index</i>	<i>Copper</i>	<i>Diacetyl</i>	<i>Total Acidity</i>
15	* 1.00519 A2	3.91 B5	3.61 CX	25.40 D1	27.20 E3						27.600 K2	
18	1.00692	3.93	3.66	25.60	26.90							
64	1.00681 A2	3.94 B1	3.55 C1									0.20 LX
67	1.00708 AX	3.90 BX	3.61 CX	23.43 D1	26.00 E1							
83								0.11 H2				
95	1.00689 AX	3.90 B5	3.58 CX	26.58 D1	26.40 E1	0.48 F1	1.01 G2	0.01 HX		0.03 J1	16.210 KX	0.14 L1
110	1.00730 A2	3.79 BX	3.63 CX	23.16 D1	21.10 E1							
133	1.00693 A2	3.87 BX	3.58 CX	28.18 D1	27.90 E1							
138	1.00690 A2	* 4.99 B5	* 1.79 CX	26.00 D1	25.00 E1							
143	1.00700 A2			30.30 D2	29.00 E1							0.18 L1
149	1.00696 A2	3.89 B5	3.59 CX	27.50 D1	28.00 E1						28.000 KX	* 0.39 L1
155	1.00704 A2	3.99 B5		25.90 D1	30.45 E1						3.620 K1	
159	1.00707 A2	3.86 B5	3.61 C1	26.25 D1	27.30 E1	0.46 F1	0.96 G2	0.10 H2		0.05 J1	90.000 KX	0.17 L1
165	1.00701 AX	3.90 BX	3.61 CX	26.20 D1	25.00 E1						28.000 KX	
169	1.00681 A2	* 3.65 B5	3.45 CX	25.30 D1	* 13.00 E1	0.47 FX	1.00 G2	0.01 H2		0.02 J1	0.020 K1	0.18 L1
171	1.00740	3.98	3.80	24.40	20.00							0.13
173	1.00700 A2	3.92 BX	3.62 CX	25.00 D1	25.00 E1			0.22 H1		0.09 J2		* 5.30 L2
174	1.00696 A2	3.91 B5	3.60 CX	27.20 D1	27.00 E1	0.46 FX	0.98 G2	0.02 H2		0.01 J1	30.725 KX	0.13 L1
176	1.00704 A2	3.91 B5	3.62 CX	26.75 D1	27.40 E1	0.44 FX	0.95 G2	0.04 H1		0.03 J1	80.000 KX	0.17 L1
185	* 0.99823 A2	3.96 BX	* 1.34 CX							0.05 JX		
N	17	16	15	17	16	5	5	7		7	9	8
Mean	1.00701	3.91	3.61	26.07	26.23	0.46	0.980	0.073		0.04	33.797	0.16
Min	1.00681	3.79	3.45	23.16	20.00	0.44	0.950	0.01		0.01	0.020	0.13
Max	1.00740	3.99	3.80	30.30	30.45	0.48	1.010	0.22		0.09	90.000	0.20
Std	0.00009	0.05	0.07	1.72	2.65	0.01	0.03	0.08		0.03	31.164	0.03

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<i>Sub #</i>	<i>Calcium</i>	<i>Sodium</i>	<i>pH</i>	<i>Chloride</i>	<i>Foam Collapse Rate</i>	<i>SO2</i>	<i>Sulfate</i>	<i>Yeast Fermentable Extract</i>	<i>Air</i>	<i>CO2 Volume</i>	<i>Ash</i>
15			4.27 O1		237	2.72			0.40 U1	2.61 V1	
18			4.30			1.61			0.30	2.52	
64		26.0 N1				1.00RX					
67			4.25 OX		129 Q1				0.80 UX	2.55 VX	
83											
95	41.00 MX		4.30 O1	167.0 PX		4.70 R1			1.15 UX	* 2.35 V1	0.15 W1
110			* 4.03 OX		100 Q1				1.35 UX	2.55 V1	
133			4.24 O1		205 QX					2.55 V1	
138			4.24 O1						* 6.50 U1	2.54 VX	
143			4.32 O1						0.18 UX	2.54 VX	
149			4.16 O1							2.61 VX	
155			4.18 O1		240 Q2				0.10 UX	2.60 VX	
159	39.00 MX		4.24 O1	168.0 P1	250 QX	2.50 R1		0.05 T1	0.25 UX	2.60 V1	0.16 W1
165			4.29 O1								
169	38.00 M1		4.35 O1	168.0 P1	252 Q2	1.00 R1		0.02 TX	0.40 UX	2.60 V1	0.16 W1
171			4.27								
173	* 3.90 M2		4.29 O1		246 QX	0.07 R1				2.59 V1	
174	39.00 M1		4.31 O1	*172.0 P1	254 QX	2.50 R1			0.35 UX	2.60 VX	* 0.10 W1
176	36.00 M2		4.24 O1	167.0 P1	223 QX	0.74			0.40 UX	2.50 VX	0.15 W1
185			4.28 O1			0.60 R1					
N	5		17	4	10	10		2	11	14	4
Mean	38.60		4.27	167.5	214	1.74		0.04	0.52	2.57	0.16
Min	36.00		4.16	167.0	100	0.07		0.02	0.10	2.50	0.15
Max	41.00		4.35	168.0	254	4.70		0.05	1.35	2.61	0.16
Std	1.82		0.05	0.6	55	1.38		0.02	0.41	0.04	0.01

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<i>Sub #</i>	<i>Apparent Extract</i>	<i>Total VDK</i>	<i>Pentanedione</i>	<i>Free Amino Nitrogen</i>	<i>Viscosity</i>	<i>Dimethyl Sulfide</i>	<i>Total Haze</i>	<i>Extract of Orig. Wort</i>	<i>Iso-Alpha Acids for Beer</i>
15	* 1.33 X1						0.38 DD3	11.22 EE1	
18	1.78	0.02						11.24	
64									
67	1.81 XX						68.00 DD2	11.20 EEX	
83									
95	1.77 X1			110.00 AA1				11.17 EE1	
110	1.85 XX						69.00 DDX	11.01 EEX	
133	1.78 XX	0.01 Y2					142.00 DDX	11.12 EEX	
138	* 3.61 X2							11.24 EE1	
143	1.80 XX	0.04 YX		96.00 AA1					
149	1.79 XX		2.000 ZX				141.50 DDX	11.17 EE2	
155							55.39 DDX		
159	1.82 XX	* 0.18 YX		131.00 AA1	1.52 B3X		3.44 DDX	11.12 EE1	
165	1.80 XX	0.04 YX	0.010 ZX				75.00 DDX	11.20 EEX	
169	1.75 X1			113.00 AA1				* 10.57 EE1	
171	1.90						260.00	11.54	
173	1.80 XX	* 0.09 YX		* 218.00				11.26 EEX	
174	1.79 XX	0.02 Y2		71.00 AA1				11.23 EE1	
176	1.81 X2			109.00 AA1				11.24 EE1	
185								* 9.14 EEX	
N	14	5	2	6			9	14	
Mean	1.80	0.03	1.005	105.00			90.52	11.21	
Min	1.75	0.01	0.010	71.00			0.38	11.01	
Max	1.90	0.04	2.000	131.00			260.00	11.54	
Std	0.04	0.01	1.407	20.09			80.72	0.12	

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