

BEER-2

American Society of Brewing Chemists
BEER CHECK SERVICE

6/30/2014

<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	1.00876 A2	3.77 B5	4.00 CX	4.14 D1	14.07 E1						34.500 KX	
18	1.00860 AX	3.80 BX	3.97 CX	4.22 D1	12.50 E1							
64	1.00869 A2	3.78 B1	4.00 C2		14.00 E1	0.50 F1						0.17 L1
67	1.00888 AX	3.71 BX	3.98 CX	4.62 D1	10.00 E1							
83								0.05 H2				
133	1.00880	3.84	4.04	4.34	11.84							
138	* 1.00560 A2	3.80 B5	4.01 CX	4.00 D1	11.50 E1			0.01 HX				
143	1.00890 A2			* 8.20 D1	12.00 E1			0.05 H2				0.20 L1
144	1.00876 AX	3.79 B5	4.01 CX	4.06 D1	11.17 E1							0.30 LX
149	1.00875 A2	3.76 B5		5.00 DX	12.50 E1						11.000 KX	
150	1.00887 A2	3.82 B5	4.05 CX	4.22 D1	12.10 E1						49.000 KX	
153	1.00900 AX	* 3.99 B5		* 13.95 D1	13.95 E1						12.960 K1	
155	1.00897 A2	3.91 B5		3.62 D1	14.05 E1						21.690 K1	
157	1.00894 A2	3.84 B5		4.29 D1	13.50 E1							
161	1.00867 A1	* 5.16 B2	* 3.80 C2	4.11 D1	13.00 E1	0.52 F1		0.09 H1		0.08 JX	35.000 KX	0.20 L1
162	1.00874 A2	3.78 B5	4.00 CX	4.18 D1	12.30 E1	0.49 F1	1.12 G2	0.04 H2		0.05 J1		0.13 L1
165	1.00884 AX	3.81 BX	4.03 CX	4.20 D1	12.90 E1						36.000 KX	
169	1.00872 A2	3.80 B5	4.00 CX	4.20 D1	12.00 E1	0.49 FX	1.01 G2	0.01 H2		0.03 J1	40.000 K1	0.14 L1
170	* 1.00855 A2	3.84 B5	4.04 C1	4.03 D1	14.00 E1							
181	1.00890 A2	3.86 B1	3.98 C1	4.22 D1	10.91 E1							
190	1.00870 A2	3.77 BX	3.99 CX	3.90 D1	11.00 E1						29.400 KX	
191	1.00877 A2	3.76 B5		4.10 D1	12.10 E1							
192	* 1.00909 A2	3.81 B5		4.20 D1	12.00 E1						28.300 KX	

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N	19	19	14	19	22	4	2	6		3	10	6
Mean	1.00880	3.80	4.01	4.19	12.43	0.50	1.065	0.042		0.05	29.785	0.19
Min	1.00860	3.71	3.97	3.62	10.00	0.49	1.010	0.01		0.03	11.000	0.13
Max	1.00900	3.91	4.05	5.00	14.07	0.52	1.120	0.09		0.08	49.000	0.30
Std	0.00006	0.04	0.02	0.28	1.16	0.01	0.08	0.03		0.03	11.858	0.06

** Not Included in Mean*

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Sub #	Calcium	Sodium	pH	Chloride	Foam Collapse Rate	SO2	Sulfate	Yeast Fermentable Extract	Air	CO2 Volume	Ash
15			4.18 O1		201 Q2	6.28 R2			0.40 U1	2.60 V1	
18			4.23 O1			4.40 R2				2.66 VX	
64		31.0NX				3.00RX					
67			4.26 OX		90 Q1				0.90 UX	2.60 VX	
83											
133			4.05		173					2.70	
138			4.18 O1						0.03 U1	2.74 VX	
143			4.24 O1		234 QX				0.50 UX	2.65 VX	
144			4.21 O1								
149			4.18 O1							2.70 VX	
150			4.21 O1						1.10 UX	2.63 VX	
153			4.21 O1							2.50 V1	
155			4.24 O1						0.10 UX	2.59 VX	
157			4.11 O1						0.25 UX	2.66 V1	
161	* 118.00 MX	73.0NX	4.06 O1				0.3 SX		1.20 UX	* 1.90 V1	0.12 W1
162	69.00 MX		4.18 O1	39.0 P1	2 QX	4.11 R1		1.88	0.50 UX	2.60 V1	0.12 W1
165			4.20 O1								
169	64.00 M1	21.5	4.25 O1	344.0 P1		4.30 R1			0.15 UX	2.75 V1	0.12 W1
170			4.20 O1						0.70 UX	2.70 V1	
181		40.0	4.21 O1						0.40 UX	2.62 V1	
190			4.33 O1							2.70 VX	
191			4.20 O1						0.10 U1	2.64 VX	
192			4.03 O1							2.70 VX	

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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>
N	2	4	21	2	5	5			13	18	3
Mean	66.50	41.4	4.19	191.5	140	4.42			0.49	2.65	0.12
Min	64.00	21.5	4.03	39.0	2	3.00			0.03	2.50	0.12
Max	69.00	73.0	4.33	344.0	234	6.28			1.20	2.75	0.12
Std	3.54	22.4	0.07	215.7	94	1.18			0.39	0.06	0.00

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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>
N	12	9	5	4			12	11	
Mean	2.25	0.05	0.009	112.60			29.03	11.38	
Min	2.19	0.02	0.000	35.40			0.81	11.20	
Max	2.28	0.10	0.017	210.00			109.00	11.51	
Std	0.03	0.03	0.007	72.28			31.82	0.09	

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