

BEER-4

American Society of Brewing Chemists
BEER CHECK SERVICE

12/31/2015

<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>
18	1.00836 AX	4.11 BX	4.04 CX	2.85 D1	16.10 E1							
64	1.00849 A2	4.04 B1	3.99 C1									0.22 L1
83								0.03 H2				
110	1.00851 A2	4.08 BX	4.07 CX	7.02 D1	17.10 E1							
133	1.00832 A2	4.09 B5	4.03 CX	3.48 DX	18.00 E1						K1	
143	1.00840 A2			3.23 D1	17.00 E1			0.00 H2				0.21 L1
149	1.00673 A2	4.09 B5		5.10 DX	18.50 E1						8.000 KX	
153	1.00870 AX	5.06 BX		* 9.37 D1							0.000 K1	
155	* 0.01138 A2	3.75 B5		3.49 D1	16.50 E1							
157	1.00842 A2	4.05 B5	4.03 CX	3.50 D1	16.70 E1							
165	1.00840 AX	4.12 BX	4.06 CX	3.64 DX	15.44 EX						35.000 KX	* 2.21 LX
169	1.00846 A2	4.07 B5	4.05 CX	5.84 D1	17.00 E1	0.47 FX	0.93 G2	H2		J1	0.050 K1	0.19 L1
170	* 1.08270 A2	4.18 B5	4.11 C1	5.70 D1	17.40 E1							
171	1.00875 A2	3.92 BX		3.35 D1	12.70 E1							
190	1.00830 A2	4.09 BX	4.03 CX	3.68 D1	14.70 E1						11.000 KX	
191	1.00834 A2	4.11 B5	4.04 C5	4.02 D1	12.85 E1						30.000 KX	
193	1.00827 A2	* 5.41 B5	4.08 C3	5.30 D1	16.20 E1							
196	1.00830 A1	3.97 B2		3.20 D1	14.70 E1							
198	1.00850 A2	* 5.21 B5	* 0.00	3.50 D1	16.70 E1							
201	1.00851 A2	4.08 BX	4.16 CX	3.30 D1	15.00 E1			0.05 HX		0.14 JX		0.21 L1
205	1.00828 A2	4.09 B5		2.70 D1	15.00 E1							
206		4.11 BX	4.08 CX	3.24 DX	14.80 EX						22.520 KX	
208	1.00839 A2	4.08 B5		3.95 D2	18.00 E1							

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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	4	3	2			9	12	
Mean	2.15	0.04	0.004	41.50			977.39	12.03	
Min	2.12	0.01	0.001	37.00			4.80	11.88	
Max	2.18	0.08	0.007	46.00			2900.00	12.29	
Std	0.02	0.03	0.003	6.36			1032.68	0.11	

** Not Included in Mean*

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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>
18			4.19 O1			0.70 R2			0.35	3.19 VX	
64		31.0 N1				0.00RX					
83											
110			4.12 OX		108 Q1				0.00 UX	3.30 V1	
133			4.14 O1		234 QX					3.30 V1	
143			4.22 O1		205 QX				0.40 UX	3.40 VX	
149			4.19 O1							3.11 VX	
153			4.20 O1								
155			4.14 O1		187 QX				0.65 UX	3.20 V1	
157			3.99 O1						0.10 UX	3.31 V1	
165		33.1 NX	4.35 OX			* 19.20RX					
169	69.00 M1		4.14 O1	168.0 P1	Q2	0.50 R1		TX	0.05 UX	3.16 V1	0.17 W1
170			4.17 O1						1.00	3.20	
171			4.10 O1								
190			4.19 O1							3.30 VX	
191		32.0 NX	4.15 O1							3.20 VX	
193			4.27 O1		100 Q1					3.10 V1	0.15 W1
196			4.21 O1		107 Q1						
198			4.12 OX							3.10 VX	
201	81.28 MX		4.23 O1								
205			4.16 O1							3.40 V1	
206			4.19 O1							3.19 VX	
208			4.22 O1								

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N	19	19	13	20	20			3			7	4
Mean	1.00834	4.11	4.06	4.00	16.02			0.027			15.224	0.21
Min	1.00673	3.75	3.99	2.70	12.70			0.00			0.000	0.19
Max	1.00875	5.06	4.16	7.02	18.50			0.05			35.000	0.22
Std	0.00042	0.25	0.04	1.15	1.60			0.02			14.111	0.01

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Sub #	Calcium	Sodium	pH	Chloride	Foam Collapse Rate	SO2	Sulfate	Yeast Fermentable Extract	Air	CO2 Volume	Ash
N	2	3	21		6	3			7	15	2
Mean	75.14	32.0	4.18		157	0.40			0.36	3.23	0.16
Min	69.00	31.0	3.99		100	0.00			0.00	3.10	0.15
Max	81.28	33.1	4.35		234	0.70			1.00	3.40	0.17
Std	8.68	1.1	0.07		59	0.36			0.36	0.10	0.01

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