

BEER-4

American Society of Brewing Chemists
BEER CHECK SERVICE

12/31/2014

<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>
18	1.00938 AX	4.39 BX	4.42 CX	11.36 D1	36.80 E1							
64	1.00956 A2	4.33 BX	4.37 C1		39.50 E1							0.19 LX
67	1.00942 AX	4.29 BX	4.37 CX	10.93 D1	45.00 E1							
83								0.04 H2				
108	1.00954 A2	4.29 B5		12.30 D1	33.10 E1							
110	1.00951 A2	4.42 BX	4.47 CX	11.20 D1	37.40 E1							
133	1.00942	4.41	4.44	10.94	36.50							
138	1.00950 A2	4.40 B5	4.45 CX	11.00 D1	36.00 E1							
143	1.00950 A2			11.40 D1	37.00 E1			0.03 H2				0.16 L1
144	1.00942 AX	4.41 B5	4.44 CX	11.24 D1	33.29 E1						39.110 K1	0.30 LX
149	1.00961 A2	4.37 B5		11.90 DX	39.50 E1						0.000 KX	
153	* 1.00995 AX	* 4.62		* 24.10 D1	36.70 E1						0.000 K1	
155	1.00946 A2	4.45 B5		11.70 D1	38.45 E1							
157	1.00948 A2	4.39 B5		11.78 D1	42.90 E1							
165	1.00950 AX	4.39 BX	4.45 CX	12.40 D1	36.50 E1						24.000 KX	
169	1.00958 A2	4.32 B5	4.44 CX	11.85 D1	36.00 E1	0.45 FX	1.13 G2	0.07 H2		0.06 J1	50.000 K1	0.14 L1
170	1.00930 A2	4.47 B5	4.51 C1	10.80 D1	36.80 E1			* 0.33 HX		0.04 JX		
181	1.00950 A2	4.43 B1	4.42 C1	11.53 D1	36.81 E1							
190	1.00940 A2	4.39 BX	4.40 CX	11.00 D1	34.40 E1						20.900 KX	
191	1.00941 A2	4.42 B5	4.44 CX	11.30 D1	35.70 E1						0.000 KX	
196	1.00940 A1	4.29 B2		12.00 D1	40.00 E1							
198	1.00955 A2	4.43 B5		* 8.60 D1	30.50 E1							

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N	20	19	13	18	21			3		2	7	4
Mean	1.00947	4.38	4.43	11.48	37.09			0.044		0.05	19.144	0.20
Min	1.00930	4.29	4.37	10.80	30.50			0.03		0.04	0.000	0.14
Max	1.00961	4.47	4.51	12.40	45.00			0.07		0.06	50.000	0.30
Std	0.00006	0.05	0.04	0.48	3.20			0.02		0.01	20.318	0.07

** 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			4.31 O1			0.93 R2					
64		25.0 N1				2.00 RX					
67			4.34 OX		142 Q1				0.60 UX	2.70 VX	
83											
108			4.32 O1						0.60 UX	2.70 VX	
110			4.27 OX		119 Q1			0.02 T1	0.20 UX	2.70 V1	
133			4.25		272					2.65	
138			4.29 O1			0.40 R1			0.01	2.68	
143			4.36 O1		315 QX				0.70 UX	2.70 VX	
144			4.21 O1								
149			4.30 O1							2.63 VX	
153			4.25 O1								
155			4.33 O1						0.50 UX	2.76 VX	
157			4.20 O1						0.40 UX	2.79 V1	
165			4.33 O1								
169	40.00 M1		* 4.09 O1	164.0 P1	Q2	0.50 R1		TX	0.25 UX	2.55 V1	0.16 W1
170	42.70 MX	10.6 NX	4.30 O1						1.30 UX	2.60 V1	
181		40.0	4.37 O1						0.50 UX	2.68 V1	
190			4.36 O1							2.80 VX	
191			4.28 O1						0.06 U1	2.70 VX	
196			4.34 O1		120 Q1				* 2.30 UX	* 4.20 VX	
198	* 8.00 M3		4.28 O1						0.00 UX	2.60 V1	

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N	2	3	19		5	4			12	15	
Mean	41.35	25.2	4.30		194	0.96			0.43	2.68	
Min	40.00	10.6	4.20		119	0.40			0.00	2.55	
Max	42.70	40.0	4.37		315	2.00			1.30	2.80	
Std	1.91	14.7	0.05		93	0.73			0.37	0.07	

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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	7	4	2		2	11	11	
Mean	2.42	0.04	0.003	110.50		99.10	547.78	12.91	
Min	2.38	0.00	0.000	69.00		47.20	5.20	12.65	
Max	2.46	0.12	0.008	152.00		151.00	2254.00	13.12	
Std	0.02	0.04	0.004	58.69		73.40	768.11	0.12	

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