

BEER-1

American Society of Brewing Chemists
BEER CHECK SERVICE

3/31/2015

<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	1.00704 AX	3.99 BX *	1.81 CX	3.30 D1	14.60 E1							
30	* 1.00510 A2			3.49 D1	14.00 E3			0.04 H3				
64	1.00699 A2	3.94 B1	3.60 CX			* 0.11 F1						0.17 L1
83								0.03 H2				
95	1.00695 AX	3.99 B5	3.64 CX	3.52 D1	15.10 E1	0.37 F1	0.87 G2	0.05 HX		0.01 J1	23.040 KX	0.15 L1
110	1.00711 A2	* 5.13 BX	3.69 CX	3.46 D1	14.10 E1							
133	1.00680	4.01	3.61	3.47	15.25						15.000	
143	1.00710 A2			3.50 D1	15.00 E1			0.06 H2				0.17 L1
144	1.00703 AX	4.00 BX	3.66 CX	3.25 DX	11.55 EX						14.944 KX	* 3.77 LX
149	1.00706 A2	3.97 B5		3.50 DX	14.50 E1						18.000 KX	
150	1.00697 A2	3.94 B5	3.62 CX	3.47 D1	15.90 E1						22.000 KX	0.21 LX
153	* 1.00645 AX	* 5.23 BX		3.50 D1	15.45 E1						7.800 K1	
155	1.00705 A2	3.98 B5		3.73 D1	14.45 E1							
165	1.00702 AX	3.98 BX	3.65 CX	3.39 D1	14.70 E1						24.000 KX	
169	1.00702 A2	4.01 B5	3.66 CX	3.55 D1	15.45 E1	0.37 FX	0.89 G2	0.01 H2		0.01 J1	40.000 K1	0.16 L1
170	1.00740 A2	4.03 B5 *	3.81 C1	3.30 D1	14.70 E1			* 0.81 HX		0.02 JX		
171	1.00700	3.97		3.40	13.00							
181	1.00700 A2	4.01 B1	3.66 C1	3.26 D1	12.27 E1							
190	1.00700 A2	3.99 BX	3.63 CX	3.10 D1	13.70 E1						52.600 KX	
191	1.00694 A2	3.98 B5	3.63 CX	3.40 D1	12.80 E1						13.000 KX	
196	1.00695 A1	* 3.88 B2		3.80 D1	14.50 E1							
198	1.00692 A2	3.98 B5		* 2.80 D1	11.50 E1							

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N	19	16	11	19	20	2	2	5		3	10	5
Mean	1.00702	3.99	3.64	3.44	14.13	0.37	0.880	0.036		0.01	23.038	0.17
Min	1.00680	3.94	3.60	3.10	11.50	0.37	0.870	0.01		0.01	7.800	0.15
Max	1.00740	4.03	3.69	3.80	15.90	0.37	0.890	0.06		0.02	52.600	0.21
Std	0.00012	0.02	0.03	0.16	1.28	0.00	0.01	0.02		0.01	13.549	0.02

** 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			3.97 O1			1.70 R2				2.61 VX	
30			4.07 O1								
64						3.00RX					
83											
95	73.00 M1	42.0	4.04 O1	290.0 PX		3.10 R1			0.25 UX	2.70 V1	0.16 W1
110					130 Q1				0.20 UX	2.60 V1	
133			3.95		163					2.43	
143			4.01 O1		324 QX				* 0.55 UX	2.61 VX	
144			4.02 OX								
149			3.98 O1							2.50 VX	
150			3.97 O1						0.20 UX	2.43 VX	
153			3.91 O1								
155			4.02 O1		257				0.25 UX	2.58 V1	
165			3.92 O1								
169	72.00 M1	23.0	4.00 O1	276.0 P1		3.50 R1			0.20 UX	2.60 V1	0.15 W1
170	64.60 MX	38.1 NX	4.01 O1						* 1.30 UX	2.50 V1	
171			3.86								
181		40.0	4.02 O1						0.35 UX	2.60 V1	
190			4.04 O1							2.54 VX	
191			3.98 O1						0.25 U1	2.58 VX	
196			4.05 O1		134 Q1						
198			4.18 O1						0.10 UX	2.48 VX	

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N	3	4	19	2	5	4			8	14	2
Mean	69.87	35.8	4.00	283.0	202	2.82			0.23	2.55	0.16
Min	64.60	23.0	3.86	276.0	130	1.70			0.10	2.43	0.15
Max	73.00	42.0	4.18	290.0	324	3.50			0.35	2.70	0.16
Std	4.59	8.7	0.07	9.9	85	0.78			0.07	0.08	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>
N	10	7	7	2		3	8	10	
Mean	1.79	0.04	0.025	54.50		71.36	42.98	11.40	
Min	1.75	0.01	0.011	54.00		33.48	0.32	11.29	
Max	1.82	0.06	0.056	55.00		134.60	85.00	11.51	
Std	0.02	0.02	0.016	0.71		55.12	29.58	0.06	

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