

BEER-3

American Society of Brewing Chemists
BEER CHECK SERVICE

9/30/2015

<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	1.01080 AX	5.48 BX	5.23 CX	9.56 D1	55.30 E1							
64	1.01114 A2	* 5.03 B1	5.10 C2									0.18 L2
83								* 0.03 H2				
133	1.01076 A2	5.43 B5	5.21 CX	9.98 DX	47.44 E1						17.036 K1	
138	1.01080 A2	5.50 B5	5.25 CX	9.40 D1	49.20 E1			0.04 HX		0.08 JX	48.000 K1	
143	1.01080 A2			* 7.87 DX								0.19 L1
144	1.01086 AX	5.47 BX	5.24 CX	9.64 DX	EX							3.39 LX
149	* 1.00895 A2	5.43 B5		9.50 DX	56.00 E1						19.000 KX	
153	1.01175 AX	5.76 BX		9.70 D1	53.00 E1						44.000 K1	
155	1.01086 A2	5.39 B5		10.10 D1	51.50 E3							
157	1.01093 A2	5.44 B5		10.30 D1	55.00 E1							
161	* 1.01670 A2	5.49 B5	5.19 C1	9.27 D1	50.00 E1							
165	1.01079 AX	5.46 BX	5.23 CX	9.68 DX	51.50 EX						95.000 KX	3.44 LX
170	1.01060	5.51	5.29	9.00	* 67.80							
171	1.01035 A2	5.44 BX		9.54 D1	48.40 E1							
190	1.01070 A2	5.43 BX	5.20 CX	9.40 D1	49.10 E1						17.500 KX	
191	1.01074 A2	5.46 B5	5.21 CX	9.57 D1	51.31 E1						15.000 KX	
196	1.01065 A1	* 4.46 B2		9.30 D1	54.00 E1							
201	1.01102 A2	5.35 BX	5.39 CX	9.42 D1	* 29.08 E1			0.04 HX	7.60 I2	0.11 JX		0.46 L1
202	1.01090 A2	5.50 B1		9.70 D1								
205	1.01086 A2	5.46 B5		8.72 D1	52.60 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	8	5	4				9	9	
Mean	2.76	0.05	0.015				922.94	15.62	
Min	2.74	0.04	0.003				9.85	15.52	
Max	2.78	0.06	0.038				3452.00	15.76	
Std	0.01	0.01	0.016				1359.51	0.08	

** 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		
18			4.67	O1		0.20	R2			2.40	VX		
64		37.0	N1										
83													
133			4.62	O1	251		QX			2.60	V1		
138	35.19	MX	30.3	NX		0.30	R1			2.60	VX		
143			4.69	O1	343		QX		0.50	UX	2.49	VX	
144			4.57	OX									
149			4.60	O1						2.55	VX		
153			4.61	O1									
155			* 4.36	O1	349		QX		0.80	UX	2.40	VX	
157			4.51	O1					0.15	UX	2.55	V1	
161			4.55	O1								0.28	W1
165		26.3	NX	4.56	OX								
170			4.61										
171			4.56	O1									
190			4.65	O1						2.59	VX		
191			4.58	O1						2.60	VX		
196			4.67	O1	13		Q1						
201	37.78	MX	21.4	NX		* 5.00	RX					0.96	W1
202			4.65	O1						2.58	VX		
205			4.54	O1						* 2.20	V1		

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N	18	17	11	18	14			2		2	7	5
Mean	1.01085	5.47	5.23	9.54	51.74			0.040		0.09	36.505	1.53
Min	1.01035	5.35	5.10	8.72	47.44			0.04		0.08	15.000	0.18
Max	1.01175	5.76	5.39	10.30	56.00			0.04		0.11	95.000	3.44
Std	0.00026	0.09	0.07	0.37	2.71			0.00		0.02	29.209	1.72

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Sub #	Calcium	Sodium	pH	Chloride	Foam Collapse Rate	SO2	Sulfate	Yeast Fermentable Extract	Air	CO2 Volume	Ash
N	2	4	18		4	2			3	10	2
Mean	36.48	28.7	4.61		239	0.25			0.48	2.54	0.62
Min	35.19	21.4	4.51		13	0.20			0.15	2.40	0.28
Max	37.78	37.0	4.69		349	0.30			0.80	2.60	0.96
Std	1.83	6.6	0.05		157	0.07			0.33	0.08	0.48

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