

BEER-1

American Society of Brewing Chemists

BEER CHECK SERVICE

3/31/2014

Sub #	Specific Gravity	Alcohol	Real Extract	Color	Bitterness Units	Protein	Reducing Sugars	Iron	Refractive Index	Copper	Diacetyl	Total Acidity
15	1.00037 A2	3.26 B5	1.62 CX	2.29 D1	7.65 E3						44.500 K2	
18	1.00019 AX	3.28 BX	1.59 CX	2.27 D1	7.90 E1							0.15 L1
64	1.00024 A2	3.25 BX	1.54 C1									
67	1.00035 AX	3.26 BX	1.61 CX	2.20 D1	4.00 E1							
83								0.04 H2				
95	1.00027 AX	3.27 B5	1.60 CX	2.35 D1	8.00 E1	0.22 F1	0.69 G2	0.02 HX		0.02 J1	9.930 KX	0.09 L1
110	0.99860 A2	* 4.10 BX	1.62 CX	2.19 D1	6.70 E1							
133	1.00019 A1	3.27 BX	1.59 CX	2.13 D1	9.38 E1							
138	1.00035 A2	3.27 B5	1.63 CX	2.30 D1	8.10 E1			HX		0.07 JX		
143	1.00020 A2			2.20 D1	7.00 E1			0.03 H2				0.13 L1
144	1.00031 AX	3.27 B5	1.62 CX	2.25 D1	6.72 E1							0.28 LX
149	1.00046 A2	3.25 B5	1.64 CX	* 3.30 D1	8.00 E1						0.000 KX	0.27 L1
150	* 1.00300 A2	3.26 B5	1.61 CX	2.24 D1	6.15 E1						16.000 KX	0.30 LX
153	1.00060 AX	* 3.46 B5		2.20 D1	9.10 E1							
155	1.00037 A2	3.31 B5		2.28 D1	7.80 E1							
157	1.00028 A2	3.22 B5		2.32 D1	7.80 E1							
165	1.00022 AX	3.21 BX	1.57 CX	2.25 D1	6.84 E1						14.000 KX	
169	1.00231 A2	3.27 B5	1.60 CX	2.30 D1	9.20 E1	0.23 FX	* 1.47 G2	0.01 H2		0.02 J1	0.030 K1	0.07 L1
170	0.99990 A2	3.30 B5	1.54 C1	2.25 D1	8.50 E1							
176	1.00034 A2	3.27 B5	1.63 CX	2.21 D1	8.00 E1	0.25 FX	0.72 G2	0.01 H1		0.06 J1	25.000 KX	0.07 L1
185	1.00022 A2	3.24 BX	1.53 CX							0.04 JX		
190	1.00030 A2	3.27 BX	1.61 CX	2.10 D1	8.00 E1						33.000 KX	
191	* 0.99407 A2	3.25 B5		2.20 D1	6.50 E1							
192	1.00075 A2	3.26 B5		2.30 D1	4.90 E1						8.000 KX	

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N	21	20	17	20	21	3	2	5		5	9	8
Mean	1.00032	3.26	1.60	2.24	7.44	0.23	0.705	0.021		0.04	16.718	0.17
Min	0.99860	3.21	1.53	2.10	4.00	0.22	0.690	0.01		0.02	0.000	0.07
Max	1.00231	3.31	1.64	2.35	9.38	0.25	0.720	0.04		0.07	44.500	0.30
Std	0.00061	0.02	0.03	0.06	1.33	0.02	0.02	0.01		0.02	14.973	0.10

* Not Included in Mean

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Sub #	Calcium	Sodium	pH	Chloride	Foam Collapse Rate	SO2	Sulfate	Yeast		CO2 Volume	Ash
								Fermentable	Extract		
15			4.26 O1		169	0.53				2.90 V1	
18			4.27 O1			6.20 R2				3.11 VX	
64						7.00 RX					
67			4.28 OX		90 Q1				0.20 UX	2.95 VX	
83											
95	50.00 M1		3.98 O1	223.0 PX		2.70 R1			UX	2.70 V1	0.08 W1
110			* 3.83 OX		76 Q1				11.40 UX	3.30 V1	
133			4.23 O1		179 QX					3.32 V1	
138	45.70 MX	39.0 NX	4.28 O1	PX						3.13 VX	
143			4.37 O1		145 QX				10.40 UX	3.17 VX	
144			4.23 O1								
149			4.14 O1							3.20 VX	
150			4.27 O1								
153			4.36 O1								
155			4.21 O1							2.70 VX	
157			4.17 O1						4.20 UX	3.25 V1	
165			4.30 O1								
169	47.00 M1	19.4	4.30 O1	218.0 P1	Q2	11.25 R1		TX	18.00 UX	2.74 V1	* 0.10 W1
170			4.26 O1						4.00 UX	3.10 V1	
176	45.00 M2		4.20 O1	212.0 P1	153 QX	6.20 R1			20.50 UX	2.72 VX	0.08 W1
185			4.32 O1			5.00 R1					
190			3.98 O1							3.30 VX	
191			4.28 O1						8.50 U1	2.70 VX	
192			4.12 O1							2.80 VX	

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Sub #	Calcium	Sodium	pH	Chloride	Foam Collapse Rate	SO2	Sulfate	Yeast Fermentable Extract	Air	CO2 Volume	Ash
N	4	2	21	3	6	7			9	17	2
Mean	46.93	29.2	4.23	217.7	135	5.55			9.07	3.01	0.08
Min	45.00	19.4	3.98	212.0	76	0.53			0.20	2.70	0.08
Max	50.00	39.0	4.37	223.0	179	11.25			20.50	3.32	0.08
Std	2.21	13.8	0.10	5.5	42	3.39			6.78	0.24	0.00

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Sub #	Apparent Extract	Total VDK	Pentanedione	Free Amino Nitrogen	Viscosity	Dimethyl Sulfide	Total Haze	Extract of Orig. Wort	Iso-Alpha Acids for Beer		
N	16	7	4	4		2	13	13			
Mean	0.07	0.03	0.007	55.00		51.05	40.17	8.08			
Min	0.01	0.02	0.000	50.00		34.09	0.52	8.05			
Max	0.11	0.05	0.019	61.00		68.00	90.00	8.11			
Std	0.02	0.01	0.008	5.35		23.98	25.37	0.01			

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