

BEER-1

American Society of Brewing Chemists
BEER CHECK SERVICE

3/31/2017

Sub #	Specific Gravity	Alcohol	Real Extract	Color	Bitterness Units	Protein	Reducing Sugars	Iron	Refractive Index	Copper	Diacetyl	Total Acidity
18	1.00000 AX	3.29 BX	1.68 CX	2.36 D1	7.20 E1							
64	1.00038 A2	3.23 B1	1.63 C1							0.08 JX		0.08 L1
83								0.01 H2				
108	1.00059 A2	3.21 B5		* 4.10 D1	9.80 E1							
138	1.00055 A2	3.33 B5	1.71 CX	2.20 D1	6.90 E1						10.000 K1	
143	1.00060 A2			1.96 D1	6.00 E1			0.01 H2				0.11 L1
144	1.00063 A2	3.26 BX	1.70 CX	2.21 DX	5.90 EX						21.000 KX	0.30 LX
149	0.99872 A2	3.28 B5		2.40 DX	8.00 E1						5.000 KX	
150	1.00059 A2	3.28 B5	1.70 CX	2.24 D1	6.10 E1						19.000 KX	0.33 L1
155	1.00056 AX	3.27 B5		2.31 D1	8.50 E1							
157	1.00052 A2	3.28 B5		2.38 D1	9.70 E1							
169	1.00059 A2	3.24 B5	1.67 CX	2.30 D1	7.80 E1	0.24 FX	0.74 G2	0.03 H2		0.02 J1	20.000 K1	0.08 L1
170	1.00060 A2	3.34 B5	1.74 C1	2.20 D1	8.30 E1							
171	1.00028 A2	3.33 BX		2.19 D1	6.95 E1							
181	1.00060	3.23	1.61	2.19	5.00							
190	1.00050 A2	3.28 BX	1.67 CX	2.50 D1	5.50 E1						26.500 KX	
193	1.00041 A2	3.31 B5	1.66 C3	2.50 D1	7.10 E1	0.20 FX						
196	1.00050 A1	3.13 B2		2.34 D1	6.93 E1						28.000 KX	
198	1.00064 A2	3.30 B5		2.39 D1	7.25 E1							
201	1.00050 A2	3.26 BX	1.67 CX	2.28 D1	6.37 E1					0.11 JX		0.09 L1
206	0.99884 AX	3.30 BX	1.71 CX	2.34 DX	7.05 EX						31.360 KX	
208	1.00050 A2	3.28 B5			7.00 E1							
215	1.00053 A2	3.32 B5	1.68 CX	2.12 D1	6.90 E1							
220		3.20 BX		2.31 D1	7.40 E1							
223	0.99868 A2	3.17 B5		2.60 D1	8.00 E1						7.300 K1	
225	1.00052 A2	3.29 B5		2.16 D1	7.30 E1						44.000 KX	

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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>
18	* 8.13 XX							8.17 EX	
64									
83									
108									
138	0.14 X2	0.04 Y5	0.050 Z1					8.29 EE1	
143	0.15 XX	0.03 Y6		53.00 AA1					
144	0.16 XX	0.03 YX	0.006 ZX					8.16 EX	
149							27.35 DDX		
150	0.15 XX	0.03 YX	0.011 ZX				40.90 DDX	8.19 EX	
155							1.62 DDX		
157							2.32 DD2		
169	0.15 X1			61.00 AA1				8.09 EE1	
170	0.15						* 98.00	8.33 EE2	
171									
181									
190	0.12 X2	0.07 YX	0.028 ZX			30.45 CCX		8.15 EE1	
193	0.10 X2						28.00 DDX	8.21 EE1	
196									
198									
201	0.13 X1							8.12 EE2	
206	0.16 XX	0.04 YX	0.010 ZX					8.24 EX	
208									
215									
220									
223									
225							20.60 DDX		

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<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>
N	24	24	13	22	24	2		3		3	10	6
Mean	1.00028	3.27	1.68	2.29	7.21	0.22		0.019		0.07	21.216	0.17
Min	0.99868	3.13	1.61	1.96	5.00	0.20		0.01		0.02	5.000	0.08
Max	1.00064	3.34	1.74	2.60	9.80	0.24		0.03		0.11	44.000	0.33
Std	0.00060	0.05	0.03	0.14	1.16	0.03		0.01		0.05	11.948	0.12

** 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>
N	2	3	21		2	3			5	14	2
Mean	48.27	27.9	4.17		135	7.87			0.20	2.75	0.06
Min	45.55	18.0	3.84		107	5.00			0.10	2.53	0.05
Max	51.00	40.0	4.42		164	9.90			0.35	3.00	0.08
Std	3.85	11.2	0.14		41	2.55			0.12	0.11	0.02

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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	6	5	2			6	10	
Mean	0.14	0.04	0.021	57.00			20.13	8.19	
Min	0.10	0.03	0.006	53.00			1.62	8.09	
Max	0.16	0.07	0.050	61.00			40.90	8.33	
Std	0.02	0.02	0.018	5.66			15.53	0.07	

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