

*MAL-11B**American Society of Brewing Chemists
MALT CHECK SERVICE**11/30/2012*

<i>Sub #</i>	<i>Moisture (%)</i>	<i>% Extract - Fine Ground (D.B.)</i>	<i>% Extract - Coarse Ground (D.B.)</i>	<i>% Fine - Coarse Difference</i>	<i>Conversion Time (min)</i>	<i>Clarity of Wort (visual)</i>	<i>Color of Wort, 1/2" cell (ASBC)</i>	<i>Diastatic Power, Salt Ext. (Deg.)</i>	<i>Alpha-amylase, Salt Ext.</i>	<i>Soluble Protein</i>	<i>Total Malt Protein</i>	<i>Soluble/Total Protein (D.B.)</i>
B 18	4.6	81.1	80.2	0.9	10	SL HAZY	2.16	145		5.31	11.4	46.6
B 22	4.2	80.6	80.1	0.5	<5	SL CLOUDY	1.90	178	64.6	5.30	12.0	44.2
B 25	4.6	81.2	80.4	0.8			2.28	170	61.2	5.65	11.6	48.9
B 27	4.4	80.0	79.6	0.4		SL HAZY	2.93	165	66.5	5.41	12.1	44.7
B 30	4.3	80.5	79.1	1.4		TURBID	2.62	165	51.5	5.41	11.8	45.9
B 31	4.2	80.8	80.1	0.7		CLEAR	2.44	170	63.1	5.64	12.2	46.2
B 32	4.4	81.0	79.7	1.3		SL CLOUDY	2.45	181	65.0	5.58	12.2	45.7
B 42	4.4	80.2	79.1	1.1			2.78	157	51.5	5.44	11.9	45.7
B 43	4.9	80.8	79.6	1.2	5	SL HAZY	2.10	167	58.2	5.45	11.8	46.1
B 48	4.5	80.7	79.5	1.2	<5	CLEAR		137	55.8	5.32	12.0	44.6
B 54	4.7	81.4	80.1	1.3	5-7	SL HAZY	2.21	150	61.9	5.73	12.3	46.8
B 95	4.5	81.3	80.0	1.2	5	CLEAR	2.11	150	62.8	5.48	11.9	46.0
B 109	4.6	82.1	* 81.6	0.5	<15	CLEAR	2.19	181	66.1	5.44	11.8	45.9
B 137	4.2	80.4								5.40	12.4	43.7
B 152	4.5	81.3	79.9	1.4	9	CLEAR	2.39	159	77.4	5.31	12.0	44.4
B 156	4.1	80.2	79.6	0.6	6	CLEAR	2.00	152	77.0	5.33	11.4	46.7
B 158	4.4	* 78.2	* 77.7	0.5			2.79					
B 159	4.6	81.6	79.9	1.7	5-7	CLEAR	2.13	148	59.2	5.56	11.9	46.9
B 162	4.6	80.0	78.9	1.1	8		2.03	139	59.0	5.25	11.8	44.6
B 168	4.6	80.8	80.4	0.4	<5	CLEAR	2.90					
B 169	5.0	81.1	80.1	1.0	7	CLEAR	2.14	163	87.9	5.62	12.0	47.0

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Sub #	Growth of Acrospires					Screen Assortment				NDMA (ug/kg)	Absolute Viscosity	Turbidity (NTU)	Beta Glucan wort (mg/L)
	0-1/4	1/4-1/2	1/2-3/4	3/4-1	Overgrown	On 7/64"	On 6/64"	On 5/64"	Thru 5/64"				
B 18											1.51		102
B 22						62.2	50.1	6.8	0.9				
B 25	0	2	10	86	2	63.1	29.9	6.2	0.8		1.51	8.0	126
B 27						56.3	36.3	6.0	1.4		1.53	23.0	124
B 30	2	0	2	90	6	62.7	29.0	7.5	0.7		1.52	18.6	86
B 31						64.4	28.3	6.5	0.8			10.0	
B 32						54.1	35.9	9.2	0.8			26.1	130
B 42											1.48		129
B 43	1	3	3	91	2	68.2	26.0	5.4	0.4	0.5	1.51	17.2	115
B 48	4	3	4	89	0	49.7	33.5	14.6	2.3		1.56		73
B 54											1.52	15.3	118
B 95	0	4	8	88	0	57.0	31.4	10.7	0.8	0.9	1.49	15.3	127
B 109	0	10	8	66	* 16	58.8	28.9	9.7	2.6		1.44	16.1	146
B 137													122
B 152	2	6	10	78	4	60.6	31.0	7.7	0.5		1.53		
B 156	3	0	8	87	2	57.4	33.8	7.9	0.9		1.51		
B 158						60.8	30.2	8.1	1.0				
B 159	0	0	13	77	10	49.9	38.5	10.5	1.1		1.52	18.9	
B 162	0	3	3	93	1	57.8	28.6	11.0	2.6		1.53		
B 168											1.50	25.9	141
B 169	0	2	11	87	0	43.1	46.2	9.1	1.6		1.48	26.9	

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N	21	20	18	20			19	18	17	19	19	19
Mean	4.5	80.9	79.8	1.0			2.34	159.8	64.0	5.45	11.9	45.8
Min	4.1	80.0	78.9	0.4			1.90	137	51.5	5.25	11.4	43.7
Max	5.0	82.1	80.4	1.7			2.93	181	87.9	5.73	12.4	48.9
Std	0.2	0.6	0.4	0.4			0.32	13.5	9.4	0.14	0.3	1.2

** Not Included in Mean*

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	0-1/4	1/4-1/2	1/2-3/4	3/4-1	Overgrown	On 7/64"	On 6/64"	On 5/64"	Thru 5/64"				
N	11	11	11	11	10	16	16	16	16	2	16	12	13
Mean	1.1	3.0	7.3	84.7	2.7	57.9	33.6	8.6	1.2	0.7	1.51	18.4	118.4
Min	0.0	0.0	2.0	66.0	0.0	43.1	26.0	5.4	0.4	0.5	1.44	8.0	72.8
Max	4.0	10.0	13.0	93.0	10.0	68.2	50.1	14.6	2.6	0.9	1.56	26.9	146.0
Std	1.4	3.0	3.7	8.0	3.2	6.3	6.6	2.4	0.7	0.3	0.03	6.1	20.6

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