

*MAL-11A**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	4.2	82.5	81.7	0.7	7	CLEAR	1.76	133		4.89	11.0	44.3
B 22	4.5	82.7	82.0	0.7	<5	CLEAR	1.80	163	72.2	4.88	11.2	43.4
B 25	4.4	82.7	82.0	0.7			1.93	162	62.6	4.98	11.5	43.4
B 27	4.4	82.1	81.5	0.6		CLEAR	1.86	140	76.5	4.88	11.8	41.6
B 30	4.2	81.8	80.5	1.3		CLEAR	1.91	146	58.0	5.05	11.4	44.1
B 31	4.2	82.3	81.4	0.9		CLEAR	1.97	165	68.0	4.99	11.6	43.0
B 32	4.4	79.5	78.7	0.8		CLEAR	1.64	156	71.1	4.81	11.0	43.7
B 42	4.3	81.9	80.9	1.0			2.37	148	67.0	4.80	11.4	42.0
B 43	4.6	82.6	81.6	1.0	5	CLEAR	1.94	149	62.0	4.86	11.0	44.0
B 48	4.4	82.9	81.4	1.5	<5	CLEAR		124	71.7	4.92	11.2	44.0
B 54	4.2	82.4	81.3	1.1	5-7	CLEAR	1.69	153	66.0	5.13	11.7	43.9
B 95	4.2	82.3	81.4	0.9	5	CLEAR	1.69	138	77.1	4.87	11.1	44.1
B 109	4.4	83.6	82.8	0.8	<15	CLEAR	1.95	159	73.6	4.98	11.4	43.5
B 137	4.0	81.8								4.80	11.7	41.0
B 152	4.4	80.7	79.6	0.6	6	CLEAR	1.93	147	87.3	4.81	11.2	43.1
B 156	4.2	81.5	80.9	0.6	6	CLEAR	1.70	146	95.0	4.82	10.9	44.3
B 158	4.4	80.4	80.1	0.3			2.30					
B 159	4.4	82.3	81.4	0.9	5-7	CLEAR	1.65	144	74.4	4.99	11.2	44.7
B 162	4.4	81.3	80.5	0.8	8		1.77	124	67.0	4.62	11.1	41.7
B 168	4.3	82.5	82.0	0.4	<5	CLEAR	2.00					
B 169	4.7	82.5	82.0	0.5	5	CLEAR	1.78	153	87.6	5.02	11.4	43.9

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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											1.47		62
B 22						62.9	29.6	6.5	1.0				
B 25	0	2	6	90	2	68.8	25.1	5.1	1.0		1.48	5.0	86
B 27						59.0	34.9	4.5	1.6		1.51	9.3	68
B 30	1	1	1	88	* 9	68.5	24.2	6.5	0.8		1.50	7.9	56
B 31						68.8	24.5	5.9	0.8			7.0	
B 32						63.7	27.9	7.1	1.3			6.0	78
B 42											1.48		77
B 43	1	2	13	83	1	73.3	21.7	4.5	0.5	1.4	1.49	7.0	69
B 48	1	2	3	92	2	59.8	29.0	9.9	1.4		1.50		* 24
B 54											1.49	5.9	61
B 95	2	4	6	86	2	64.2	26.8	8.2	0.7	1.9	1.46	10.0	77
B 109	0	* 8	8	78	* 6	65.4	23.6	8.7	2.2		1.43	6.6	96
B 137													64
B 152	0	* 20	9	71	0	64.8	27.1	7.1	1.0		1.52		
B 156	* 7	1	6	85	1	63.3	29.0	6.8	0.9		1.47		
B 158						69.1	24.0	6.3	0.7				
B 159	0	1	4	92	3	61.9	30.8	6.3	1.0		1.49	10.3	
B 162	0	1	2	95	2	60.3	30.3	7.2	2.2		1.48		
B 168											1.54	8.5	84
B 169	0	0	0	93	1	* 43.8	* 43.4	10.6	2.2		1.45	8.6	

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N	21	21	20	20			19	18	17	19	19	19
Mean	4.3	82.0	81.2	0.8			1.88	147.2	72.8	4.90	11.3	43.3
Min	4.0	79.5	78.7	0.3			1.64	124	58.0	4.62	10.9	41.0
Max	4.7	83.6	82.8	1.5			2.37	165	95.0	5.13	11.8	44.7
Std	0.2	0.9	0.9	0.3			0.20	12.1	9.8	0.12	0.3	1.0

** 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	10	9	11	11	9	15	15	16	16	2	16	12	12
Mean	0.5	1.6	5.3	86.6	1.6	64.9	27.2	6.9	1.2	1.6	1.49	7.7	73.2
Min	0.0	0.0	0.0	71.0	0.0	59.0	21.7	4.5	0.5	1.4	1.43	5.0	56.0
Max	2.0	4.0	13.0	95.0	3.0	73.3	34.9	10.6	2.2	1.9	1.54	10.3	96.0
Std	0.7	1.1	3.8	7.2	0.9	4.1	3.5	1.7	0.6	0.3	0.03	1.7	11.9

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