

MAL-5A

American Society of Brewing Chemists
MALT CHECK SERVICE

5/31/2012

<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	4.5	82.5	81.8	0.7	5-7	CLEAR	1.74	146		4.90	11.2	43.6
B 22	4.3	82.3	81.5	0.8	<5	CLEAR	1.80	155	72.7	4.72	11.2	43.1
B 25	4.4	82.9	81.9	1.0			1.86	158	64.8	5.04	11.2	45.0
B 27	* 3.5	81.4	80.5	0.9		CLEAR	1.76	150	80.8	4.82	11.2	42.9
B 30	4.0	83.3	82.7	0.6		CLEAR	2.03	153	66.6	5.24	10.8	48.6
B 31	4.1	82.2	81.7	0.5		CLEAR	1.99	165	67.3	4.99	11.5	43.4
B 32	4.3	81.5	80.7	0.9		CLEAR	1.71	154	78.0	4.97	11.1	44.7
B 42	4.3	82.2	81.7	0.5			2.16	151	67.4	4.70	11.0	42.9
B 43	4.1	82.5	81.6	0.9	<5	CLEAR	1.91	160	60.2	5.21	11.3	46.0
B 47	4.5	82.2	81.7	0.5	5-7	CLEAR	1.77	158	87.4	5.19	11.3	46.0
B 48	4.1	82.5	81.8	0.7	<5	CLEAR	2.07	140	100.1	4.46	10.5	42.3
B 54	4.2	82.5	81.6	0.9	5-7	CLEAR	1.81	157	69.5	5.16	11.3	45.5
B 95	4.4	82.1	81.0	1.1	4	CLEAR	* 2.45	139	79.7	4.77	10.7	44.4
B 109	4.6	82.5	81.8	0.7	<15	CLEAR	1.84	* 2	78.0	4.86	12.1	40.2
B 128	4.2	82.3	81.5	0.8				157	83.4	5.00	11.6	43.2
B 129	4.2	82.7	81.7	1.0	5		1.68	160	71.3	5.00	10.9	45.7
B 137	3.9	81.9								4.80	11.6	41.0
B 152	4.6	82.6	81.8	0.8	7	CLEAR	1.95	149	83.8	4.74	11.1	42.7
B 158	4.3	82.4	82.3	0.1			1.80		97.0			
B 159	4.2	82.3	82.0	0.3	5-7	CLEAR	1.80	143	69.1	4.96	11.0	44.9
B 168	4.2	81.8	81.5	0.3	<5	CLEAR	* 2.60			* 4.08	* 8.3	49.2
B 169	4.7	82.9	81.6	1.3	5	CLEAR	1.80	167	87.6	5.15	11.6	44.4

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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											1.49		
B 22						63.4	28.9	6.8	0.9				
B 25	2	0	6	86	6	69.3	24.9	5.0	0.8		1.50	5.7	74
B 27						62.3	31.7	4.9	1.2		1.54	8.8	97
B 30	2	0	0	88	10	66.7	26.6	5.7	1.0		1.51	6.5	78
B 31						69.4	24.3	5.4	0.9			6.0	
B 32						64.8	27.8	6.6	0.8			6.0	80
B 42						67.4	25.2	6.4	1.0		1.48		75
B 43	1	1	7	90	1	68.7	24.6	5.8	0.9	0.0	1.49	6.5	51
B 47	3	2	7	78	10	59.3	32.7	6.9	1.1		1.48		82
B 48	2	2	3	93		69.0	23.5	6.7	0.9		1.56		
B 54											1.47	8.0	66
B 95	1	2	5	92	0	64.0	25.6	8.9	1.5	* 1.5	1.46	6.0	
B 109	0	2	6	74	18	66.7	23.1	8.1	2.1		1.44	7.2	85
B 128						68.0	24.9	6.3	0.8		1.48	6.9	68
B 129	* 13	7	6	74	0	70.2	22.1	6.6	1.1	0.1	1.47	7.6	76
B 137													72
B 152	* 24	10	8	56	0	61.5	29.8	7.8	0.9		1.50		
B 158						67.7	25.1	6.3	0.9				
B 159	0	3	9	74	14	55.5	28.9	* 12.6	* 3.0		1.47	* 18.8	
B 168											1.46	6.8	106
B 169	0	0	2	89	9	* 47.3	* 42.2	8.5	2.0		1.47	7.9	

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N	21	22	21	21			18	18	19	20	20	21
Mean	4.3	82.3	81.6	0.7			1.86	153.4	77.1	4.93	11.2	44.3
Min	3.9	81.4	80.5	0.1			1.68	139	60.2	4.46	10.5	40.2
Max	4.7	83.3	82.7	1.3			2.16	167	100.1	5.24	12.1	49.2
Std	0.2	0.4	0.5	0.3			0.13	7.9	11.0	0.20	0.4	2.2

** 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	9	11	11	11	10	17	17	17	17	2	17	13	13
Mean	1.2	2.6	5.4	81.3	6.8	65.5	26.4	6.6	1.1	0.1	1.49	6.9	77.7
Min	0.0	0.0	0.0	56.0	0.0	55.5	22.1	4.9	0.8	0.0	1.44	5.7	51.0
Max	3.0	10.0	9.0	93.0	18.0	70.2	32.7	8.9	2.1	0.1	1.56	8.8	106.0
Std	1.1	3.1	2.7	11.2	6.5	4.1	3.0	1.2	0.4	0.1	0.03	0.9	13.7

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