

MAL-5B

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	4.7	80.9	80.1	0.8	7-10	CLEAR	2.19	166		5.39	12.3	43.8
B 22	4.6	80.9	80.0	0.9	<5	CLEAR	2.20	173	63.0	5.37	11.8	45.4
B 25	4.5	81.2	80.0	1.1			2.19	167	60.1	5.51	12.1	45.5
B 27	3.9	79.7	79.3	0.4		LIGHTLY HAZ	2.39	169	65.9	5.36	12.0	44.8
B 30	4.1	80.4	80.0	0.4		CLEAR	2.34	172	58.9	5.41	11.8	45.8
B 31	4.5	80.6	80.0	0.6		CLEAR	2.35	178	63.6	5.47	12.3	44.5
B 32	4.7	80.6	79.4	1.2		CLEAR	2.18	180	62.8	5.34	12.2	44.0
B 42	4.6	80.6	80.1	0.5			2.95	159	60.9	5.48	12.4	44.0
B 43	4.4	80.6	79.5	1.1	<5	LIGHTLY HAZ	2.10	177	58.0	5.78	11.8	48.9
B 47	4.5	80.3	80.2	0.1	5-7	CLEAR	2.09	175	77.3	5.77	11.8	49.0
B 48	4.5	80.7	79.7	1.0	<5	CLEAR	2.62	157	83.7	5.03	11.1	45.1
B 54	4.5	80.9	79.9	1.0	5-7	LIGHTLY HAZ	2.13	173	64.1	5.79	12.0	48.4
B 95	4.5	80.6	* 78.6	2.0	4	CLEAR	2.70	152	64.9	5.29	11.4	46.2
B 109	4.5	80.7	79.7	1.0	<15	CLEAR	2.18	169	63.1	5.30	11.1	47.7
B 128	4.5	80.8	80.1	0.7				172	69.7	5.50	12.4	44.8
B 129	4.5	80.9	79.8	1.1	5		2.08	174	60.9	5.53	11.8	46.8
B 137	4.1	80.0								5.40	12.2	43.7
B 152	5.0	80.7	79.7	1.0	8	CLEAR	2.62	160	84.2	5.15	12.1	42.6
B 158	4.3	80.5	* 78.2	2.3			2.30		75.0			
B 159	4.7	80.7	80.3	0.4	5-7	CLEAR	2.30	155	65.0	5.53	11.9	46.6
B 168	4.1	80.1	79.6	0.5	<5	LIGHTLY HAZ	* 3.20			* 3.20	* 9.1	* 35.2
B 169	5.0	81.1	79.7	1.4	7	IGHTLY TURE	2.15	162	74.9	5.47	12.3	44.5

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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		
B 22						63.6	30.0	5.8	0.6				
B 25			6	90	4	67.3	27.2	5.1	0.5		1.52	7.3	135
B 27						59.8	34.8	4.7	0.9		1.54	18.1	135
B 30	2	0	0	85	13	64.4	28.3	6.8	0.5		1.52	9.2	100
B 31						67.6	27.2	5.2	0.0			10.0	
B 32						61.8	31.7	6.1	0.4			9.9	144
B 42						62.8	29.1	7.2	0.9		1.49		120
B 43	0	3	8	89	0	66.3	26.8	6.4	0.5	0.0	1.50	12.8	79
B 47	3	0	7	82	8	55.2	37.2	6.7	0.9		1.48		77
B 48	2	1	3	94		58.3	26.9	14.1	0.7		1.57		
B 54											1.49	20.5	106
B 95	0	0	1	96	3	57.0	31.1	11.0	0.8	1.0	1.45	8.1	
B 109	0	2	4	78	16	63.5	25.0	9.0	* 4.4		1.46	17.6	134
B 128						63.7	29.1	6.7	0.8		1.48	12.2	105
B 129	* 10	* 7	6	77	0	62.8	29.5	6.5	1.2	0.3	1.48	14.3	112
B 137													124
B 152	5	1	6	74	14	59.9	31.8	7.4	1.0		1.53		
B 158						60.9	30.9	7.6	0.8				
B 159	0	2	7	79	12	47.2	36.0	14.9	1.9		1.48	19.5	
B 168											1.48	21.6	144
B 169	0	0	3	90	7	40.0	48.6	9.8	1.6		1.48	37.7	

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N	29	29	26	21			19	19	26	27	27	27
Mean	4.6	80.7	79.8	0.9			2.32	167.9	69.2	5.45	12.0	45.3
Min	3.9	79.7	79.3	0.1			2.08	152	58.0	5.03	11.1	42.6
Max	5.0	81.2	80.3	2.3			2.95	180	84.2	5.79	12.4	49.0
Std	0.3	0.4	0.2	0.5			0.24	8.3	7.7	0.16	0.4	1.6

* 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	16	16	11	11	10	25	25	25	24	3	24	21	13
Mean	0.8	0.6	4.6	84.9	7.7	54.5	36.1	8.4	1.1	0.4	1.49	23.0	116.5
Min	0.0	0.0	0.0	74.0	0.0	40.0	25.0	4.7	0.0	0.0	1.45	7.3	77.0
Max	5.0	3.0	8.0	96.0	16.0	67.6	48.6	14.9	1.9	1.0	1.57	37.7	144.0
Std	1.5	1.0	2.6	7.4	5.9	10.9	9.2	2.6	0.4	0.5	0.03	12.4	22.5

* Not Included in Mean

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