

MAL-11B

American Society of Brewing Chemists
MALT CHECK SERVICE

11/30/2013

<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	79.9	79.0	1.1		SL HAZY	2.05	177		5.30	12.1	43.8
B 22	4.3	79.7	79.0	0.7	<5	CLEAR	2.10	201	58.3	5.32	12.2	43.6
B 23	4.7	80.0	78.8	1.2		CLEAR	2.10	205	59.2	5.50	12.2	44.8
B 25	4.6	80.3	79.6	0.7			2.21	176	56.5	5.15	12.0	42.8
B 27	4.5	79.6	78.5	1.1		CLEAR	2.76	197	72.0	5.25	12.5	42.1
B 30	4.2	79.7	78.5	1.2		CLEAR	2.39	209	62.9	5.75	12.5	45.9
B 31	4.4	79.5	78.1	1.3		CLEAR	2.57	181	57.4	5.68	12.7	44.7
B 32	4.4	79.7	78.4	1.3		CLOUDY	2.10	195	58.8	5.39	12.4	43.5
B 42	4.6	79.8	79.0	0.8			2.67	176	51.6	5.27	11.8	44.7
B 43	4.7	80.9	79.7	1.2	5	HAZY	2.06	168	57.0	5.28	12.2	43.3
B 48	4.7	79.2	77.8	1.4	<5	CLEAR		173	63.0	5.32	11.8	45.2
B 54	4.5	80.3	79.1	1.3	5	HAZY	2.21	193	61.1	5.63	12.3	46.0
B 95	4.2	78.8	78.3	0.5	5	CLEAR	* 3.20	179	80.2	5.21	12.2	42.6
B 109	4.7	80.1					2.06	189	62.7	5.39	11.9	45.3
B 128	4.2	79.5	79.0	0.5				193	59.3	5.50	12.6	43.6
B 129	4.8	81.0	79.8	1.2	5	CLEAR	2.13	192	58.7	5.38	12.4	43.6
B 152	4.9	79.8	79.1	0.7	8	CLEAR	2.32	177	55.3	5.16	12.4	41.5
B 156	4.5	79.3	78.5	0.8	6	BRILLIANT	1.90	180	67.0	5.24	12.0	43.6
B 159	4.8	79.3	78.4	0.9	5	CLEAR	2.20	167	74.8	4.98	* 11.4	43.8
B 168	4.8	79.7	79.1	0.6	5-7	CLEAR	* 4.00					
B 169	4.5	79.4	77.2	* 2.2	5	CLEAR	2.40	181	55.8	5.34	12.3	43.3
B 180	4.9	80.5	79.3	1.2	5	HAZY	2.12	183	57.7	5.35	12.4	43.3
B 183	4.8	79.5	78.2	1.3						* 6.56	12.4	* 52.8
B 189	4.7	80.2			5	HAZY	2.60	197	66.5	5.67	12.5	45.5

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Sub #	Growth of Acrospires					Screen Assortment				FAN (ppm)	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										196.0	1.49		109
B 22						53.6	37.4	8.1	0.9			13.8	
B 23						55.2	36.9	7.7	0.2	198.0		12.0	120
B 25	2	0	0	80	* 18	58.5	34.1	6.7	0.7	202.0	1.49	9.0	132
B 27						52.4	40.1	6.1	1.4	220.0	1.50	17.8	161
B 30	1	1	1	88	9	61.0	29.5	8.7	0.8	247.0	1.50	9.6	125
B 31						60.8	32.0	6.7	0.5			11.0	
B 32						52.2	37.6	10.0	0.2	195.0		16.5	159
B 42										217.0	1.49		122
B 43	3	3	4	89	1	60.9	31.8	6.6	0.8	206.0	1.52	24.9	111
B 48	* 11	13	14	* 56	6	54.0	34.4	10.6	1.0		1.53		
B 54										224.0	1.47	13.0	140
B 95	0	3	4	93	0	52.7	34.4	11.6	1.3		1.45	15.7	12
B 109						60.6	32.8	6.0	0.6	247.0	1.49	7.8	115
B 128						57.8	34.0	7.6	0.6	224.6	1.45	11.1	127
B 129	1	2	4	86	7	55.4	34.3	9.3	1.0	221.0	1.50	12.8	130
B 152	0	12	6	80	2	50.2	38.5	10.5	0.8		1.50		
B 156	4	4	9	80	3	54.8	35.9	8.4	1.4		1.47		
B 159	0	1	* 22	75	2	64.5	30.4	4.4	0.7		1.48	23.3	
B 168											1.46		17
B 169	2	3	6	87	2	45.2	43.8	8.9	* 2.1	190.0	1.48	23.0	170
B 180	0	3	4	89	4	60.9	31.6	6.7	0.8	208.0	1.50	8.9	123
B 183													
B 189										220.0	1.48	25.4	96

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N	24	24	22	21			19	22	21	22	22	22
Mean	4.6	79.8	78.7	1.0			2.26	185.8	61.7	5.37	12.3	43.9
Min	4.2	78.8	77.2	0.5			1.90	167	51.6	4.98	11.8	41.5
Max	4.9	81.0	79.8	1.4			2.76	209	80.2	5.75	12.7	46.0
Std	0.2	0.5	0.6	0.3			0.24	11.9	7.0	0.19	0.2	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	10	11	10	10	10	18	18	18	17	15	19	17	17
Mean	1.3	4.1	5.2	84.7	3.6	56.1	35.0	8.0	0.8	214.4	1.49	15.0	115.8
Min	0.0	0.0	0.0	75.0	0.0	45.2	29.5	4.4	0.2	190.0	1.45	7.8	11.6
Max	4.0	13.0	14.0	93.0	9.0	64.5	43.8	11.6	1.4	247.0	1.53	25.4	170.0
Std	1.4	4.3	4.0	5.6	2.9	4.9	3.6	1.9	0.3	17.5	0.02	5.9	42.8

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