

MAL-11A

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	4.9	82.5	81.7	0.8		CLEAR	2.23	126		4.72	10.8	43.9
B 22	4.3	81.4	80.9	* 5.0	<5	CLEAR	2.00	132	63.3	4.76	10.9	43.9
B 23	4.9	81.6	80.4	1.2		CLEAR	2.13	132	66.9	4.90	11.4	42.6
B 25	5.0	82.5	81.7	0.8			2.31	151	61.1	4.96	10.7	46.2
B 27	4.6	81.4	80.9	0.5		CLEAR	2.50	130	80.8	4.73	11.3	42.0
B 30	4.2	81.9	80.9	1.0		CLEAR	2.32	128	68.5	4.97	10.9	45.5
B 31	4.4	81.5	80.5	1.0		CLEAR	2.39	135	61.6	5.04	11.3	44.6
B 32	4.4	81.4	80.5	0.9		CLEAR	2.23	127	66.0	4.76	11.3	42.2
B 42	4.6	81.9	81.3	0.6			2.50	129	61.9	4.51	10.7	42.1
B 43	4.5	81.7	80.7	1.1	5	CLEAR	2.20	119	56.4	4.92	11.1	44.1
B 48	4.6	80.8	80.4	0.4	<5	CLEAR		115	71.9	4.61	10.7	42.9
B 54	4.6	82.2	81.2	1.0	5	CLEAR	2.03	138	62.0	4.94	11.4	43.2
B 95	4.2	80.7	79.9	0.8	5	CLEAR	2.20	128	83.5	4.51	10.6	42.7
B 109	4.6	82.6					2.15	138	73.7	4.82	10.5	46.1
B 128	4.3	81.5	81.1	0.4				139	65.0	4.90	11.0	44.3
B 129	4.8	80.7	79.8	0.9	5	CLEAR	2.14	141	66.2	4.80	10.9	44.0
B 152	4.7	82.1	81.3	0.8	7	CLEAR	2.46	124	66.1	4.46	11.1	40.1
B 156	5.2	82.0	81.0	1.0	6	BRILLIANT	1.90	116	63.0	4.62	10.5	44.0
B 159	5.3	81.7	81.2	0.5	5	CLEAR	2.30	116	82.8	4.81	10.1	47.7
B 168	4.9	81.4	81.7	0.3	5-7	CLEAR	* 4.00					
B 169	4.9	81.8	81.1	0.7	5	CLEAR	2.20	122	67.3	4.61	10.9	42.0
B 180	4.7	82.0	81.0	1.0	5	CLEAR	2.21	131	61.0	4.68	11.2	41.6
B 183	4.9	82.7	81.4	1.3				126		* 5.85	11.0	* 53.1
B 189	4.7	81.2			5	CLEAR	2.18	132	68.1	4.90	11.0	44.6

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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										159.0	1.45		63
B 22						70.6	24.5	4.2	0.7			6.3	
B 23						71.6	24.0	4.4	0.0	165.0		5.0	60
B 25	0	0	0	98	2	73.6	21.5	4.3	0.6	220.0	1.47	5.0	85
B 27						66.7	29.0	3.5	0.8	195.0	1.47	7.0	98
B 30	2	1	0	93	4	75.9	19.2	4.3	0.6	221.0	1.47	5.6	75
B 31						76.3	19.6	3.6	0.5			6.0	
B 32						70.6	23.9	5.3	0.2	163.0		5.4	56
B 42										188.0	1.47		69
B 43	2	3	3	91	1	78.3	17.8	3.5	0.4	172.0	1.45	6.6	71
B 48	3	3	6	84	4	71.0	21.3	3.0	* 4.7		1.50		
B 54										185.0	1.45	4.5	82
B 95	0	3	3	94	0	67.8	22.8	* 8.5	0.9		* 1.63	5.2	37
B 109						74.2	21.5	3.7	0.6	214.0	1.45	4.1	76
B 128						73.8	21.7	4.0	0.4	194.5	1.42	6.1	61
B 129	1	2	2	77	18	75.0	20.7	3.8	0.5	187.0	1.48	5.7	80
B 152	3	1	6	75	15	70.2	24.0	5.2	0.5		1.48		
B 156	2	1	8	88	1	71.7	22.7	5.0	0.5		1.46		
B 159	0	1	12	83	4	71.5	25.2	3.1	0.2		1.46	* 14.0	
B 168											1.42		24
B 169	2	0	4	91	3	64.9	26.4	* 6.7	* 2.0	165.0	1.46	5.9	91
B 180	0	1	4	92	3					186.0	1.47	6.1	63
B 183													
B 189										171.0	1.45	5.7	61

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N	24	24	22	21			20	23	21	22	23	22
Mean	4.7	81.7	80.9	0.8			2.23	129.3	67.5	4.77	10.9	43.7
Min	4.2	80.7	79.8	0.3			1.90	115	56.4	4.46	10.1	40.1
Max	5.3	82.7	81.7	1.3			2.50	151	83.5	5.04	11.4	47.7
Std	0.3	0.6	0.5	0.3			0.16	8.8	7.3	0.17	0.3	1.7

** 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	11	17	17	15	15	15	18	16	17
Mean	1.4	1.5	4.4	87.8	5.0	72.0	22.7	4.1	0.5	185.7	1.46	5.6	67.8
Min	0.0	0.0	0.0	75.0	0.0	64.9	17.8	3.0	0.0	159.0	1.42	4.1	24.0
Max	3.0	3.0	12.0	98.0	18.0	78.3	29.0	5.3	0.9	221.0	1.50	7.0	98.0
Std	1.2	1.1	3.5	7.3	5.9	3.5	2.8	0.7	0.2	20.5	0.02	0.8	18.4

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