

MAL-5A

American Society of Brewing Chemists
MALT CHECK SERVICE

5/31/2013

<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	4.3	81.5	80.1	1.4	5-7	CLEAR	1.57	131		4.41	11.9	37.0
B 22	3.8	81.2	79.7	1.5	<5	CLEAR	1.55	* 69	* 152.0	4.62	12.3	37.6
B 25	4.3	81.8	80.5	1.3			1.77	160	58.0	4.29	11.7	36.7
B 27	3.6	80.4	78.9	1.5		CLEAR	1.41	150	72.2	4.27	12.4	34.4
B 31	4.1	80.6	79.5	1.1		CLEAR	1.80	162	65.0	4.37	12.4	35.2
B 32	4.2	79.5	* 76.1	1.3		CLEAR	1.68	154	65.1	4.57	11.9	37.9
B 42	4.3	81.1	80.0	1.1			1.99	147	59.8	4.26	12.6	33.8
B 43	4.5	81.8	80.7	1.2	5	CLEAR	1.68	134	57.7	4.43	12.3	36.1
B 54	4.0	81.1	79.8	1.2	5	CLEAR	1.73	148	62.0	4.75	12.6	37.5
B 128	4.2	81.3	80.0	1.2				149	73.2	4.60	12.4	37.3
B 129	4.1	81.2	80.1	1.1	5		1.65	154	63.2	4.61	11.7	39.3
B 152	4.4	81.0	79.7	1.3	8	CLEAR	1.79	138	71.7	4.32	12.6	34.3
B 156	3.7	* 78.6	78.0	0.8	6	CLEAR	1.90	179	68.0	* 5.24	12.4	42.2
B 159	4.3	81.6	80.7	0.9	5-7	CLEAR	1.70	134	64.7	4.52	12.0	37.7
B 162	4.7	* 77.0	80.8	1.8	9		1.55	135	63.0	4.35	12.1	35.8
B 168	4.3	80.8	78.6	* 2.2	5-7	CLEAR	* 3.50				* 7.6	
B 169	4.1	80.9	79.9	1.0	5	BRILLIANTE	1.69	129	80.1	4.62	12.1	38.0
B 173	4.6	80.1	78.6	1.2	10		* 2.42			4.11	11.6	38.2
N	18	16	17	17			15	15	14	16	17	17
Mean	4.2	81.0	79.7	1.2			1.70	146.9	66.0	4.44	12.2	37.0
Min	3.6	79.5	78.0	0.8			1.41	129	57.7	4.11	11.6	33.8
Max	4.7	81.8	80.8	1.8			1.99	179	80.1	4.75	12.6	42.2
Std	0.3	0.6	0.8	0.2			0.15	13.8	6.4	0.18	0.3	2.0

* Not Included in Mean

Confidentiality Notice: The data contained herein are confidential and intended for subscriber use only. Data from other subscribers are included for comparison purposes only.

MAL-5A

**American Society of Brewing Chemists
MALT CHECK SERVICE**

5/31/2013

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										177.0	1.48		147
B 22						68.9	26.1	4.3	0.7			4.8	
B 25	5	2	4	80	9	43.7	40.2	13.3	* 2.8	177.0	1.50	5.0	141
B 27						58.4	35.4	5.2	1.0	171.0	1.52	5.2	182
B 31						66.4	27.3	5.6	0.7			5.0	
B 32						62.0	30.7	6.3	1.0	155.0		4.0	150
B 42										162.0	1.48		175
B 43	4	4	3	88		68.0	25.8	5.7	0.5	147.0	1.50	4.2	122
B 54										168.0	1.47	4.8	140
B 128						64.6	27.5	7.0	0.9	174.3	1.44	4.8	120
B 129	6	3	2	88	1	66.4	26.8	6.3	0.5	181.0	1.49	5.1	136
B 152	0	* 14	9	77	0	60.0	30.8	8.4	0.8		1.51		
B 156	0	1	14	82	3	46.6	39.8	12.0	1.6		1.45		
B 159	0	1	22	77	1	53.6	38.7	6.9	1.0		1.48	7.7	
B 162	0	1	3	94	2	58.4	31.2	9.1	1.3		1.41		
B 168											* 1.62	* 17.0	61
B 169	1	2	11	86	0	41.5	45.8	10.6	2.1	172.0	1.48	6.9	
B 173	* 25	5	3	* 35	10					143.0			
N	8	8	9	8	8	13	13	13	12	11	13	11	10
Mean	2.0	2.4	7.8	84.0	3.3	58.3	32.8	7.7	1.0	166.1	1.48	5.2	137.4
Min	0.0	1.0	2.0	77.0	0.0	41.5	25.8	4.3	0.5	143.0	1.41	4.0	61.0
Max	6.0	5.0	22.0	94.0	10.0	68.9	45.8	13.3	2.1	181.0	1.52	7.7	182.0
Std	2.6	1.5	6.8	6.0	4.0	9.3	6.5	2.8	0.5	12.8	0.03	1.1	33.4

* Not Included in Mean

Confidentiality Notice: The data contained herein are confidential and intended for subscriber use only. Data from other subscribers are included for comparison purposes only.