



**2011 AOF Test Check Program  
Monthly Report  
Round 6  
June 2011**

01/06/2011 – 30/06/2011

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**Result Receiving Dates**

<b>Lab Code</b>	<b>Date</b>
<b>A</b>	7/06/2011
<b>B</b>	30/06/2011
<b>C</b>	12/07/2011
<b>D</b>	24/06/2011
<b>E</b>	08/06/2011
<b>F</b>	22/06/2011
<b>G</b>	30/06/2011
<b>H</b>	30/06/2011
<b>I</b>	17/06/2011
<b>J</b>	29/06/2011
<b>K</b>	30/06/2011
<b>L</b>	—
<b>M</b>	27/06/2011
<b>N</b>	17/06/2011
<b>O</b>	28/06/2011

**Discussion of Results**

***Test Weight***

Lab B was the only laboratory to produce a higher result than the True Outlier Q3 for Sample 3. Lab B result for sample 3 (68.00) is 0.16 higher than the True Outlier Q3 (67.84). No other outliers were found in Sample 1 and 2.

***Impurities***

Sample 1, Lab B and N both submitted results that were 0.11 and 0.01 higher than the True Outlier Q3 (2.68) respectively. Sample 2, Lab I is observed to have the same value as the True Outlier Q1 (1.40).

***Oil Rapid***

Result 40.30 is observed for sample 1, Lab A. This is 0.11 lower than the True Outlier Q1 (40.42). No outliers were found for sample 2 and 3.



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***Oil Solvent (ISO 659)***

Outlier is observed for Sample 1, Lab N with results (42.25), which is 0.31 higher than the True Outlier Q3 (41.94). Lab G submitted results (40.75) for sample 1, and (35.36) for sample 3. Both results is observed to be 0.65 and 0.60 lower than the respective True Outlier Q1, for sample 1 (41.40) and sample 3 (35.96).

***Oil Solvent Reference (AOCS Method Am 2-93)***

Results for sample 1, Lab K are 39.81, this result is observed to be 1.09 lower than the True Outlier Q1 (40.90). No other outliers were found in Sample 2 and 3.

***Moisture Oven***

Sample 2 and 3 moisture oven results both had Lab D generating an outlier. In Sample 2, Lab D result (5.90) is 0.26 lower than the True Outlier Q1 (6.16). Sample 3, Lab D result (6.55), is observed to be 0.18 higher than the True Outlier Q3 of 6.37.

***Moisture Rapid***

Sample 2, Lab A results (6.30) is 0.16 lower than the True Outlier Q1(6.46). No outliers were observed for sample 1 and 3.

***Oleic Oil***

No outliers were observed for Oleic Oil analyses during this round.

***Linoleic Oil***

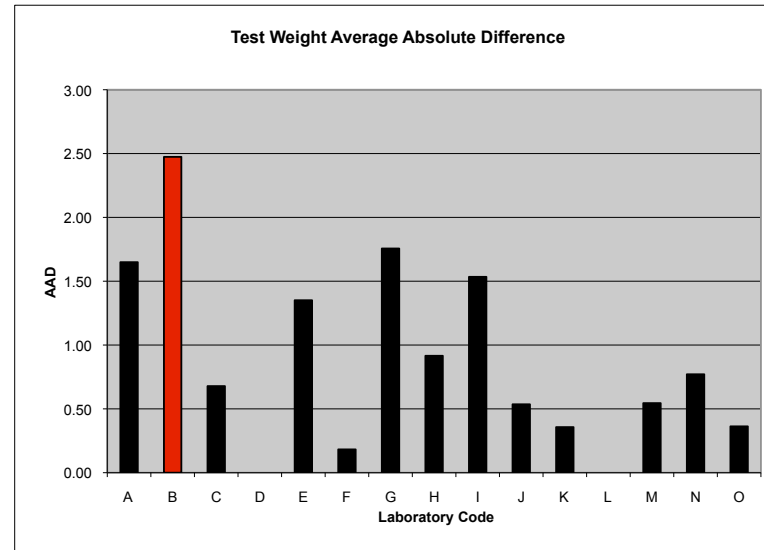
All 3 samples for this test produced outliers. Sample 1, Lab G result of 12.20 is 6.12 lower than the True Outlier Q1 of 18.32. Sample 2, Lab G result of 27.00 is 8.13 higher than the True Outlier Q3 of 18.87. For Sample 3, Lab C result of 18.93 is 0.5 lower than the True Outlier Q1 of 19.43.

***Free Fatty Acid***

A general trend of Lab E results being higher than the True Outlier Q3 was observed across all 3 samples for this round. Lab E, sample 1 result (0.83) is 0.09 higher than True Outlier Q3 (0.74). Lab E, sample 2 result (1.19) is 0.04 higher than the True Outlier Q3 (1.15). Significant difference is observed for Lab E, sample 3 (1.14). This result is 0.71 higher than the True Outlier 0.76.

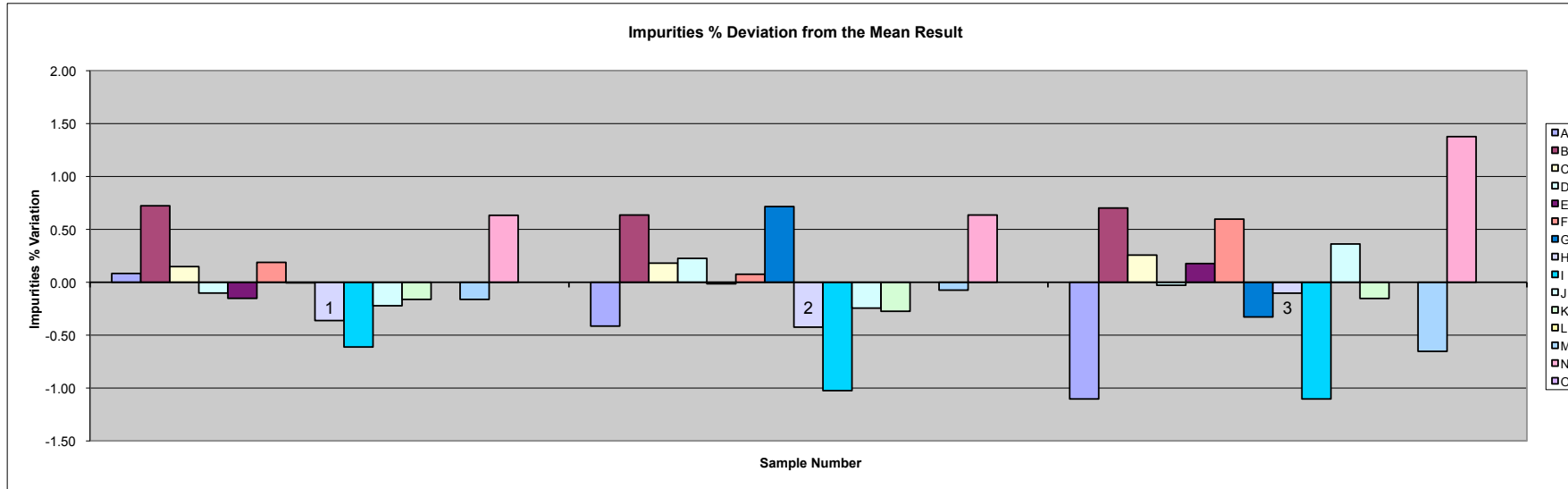
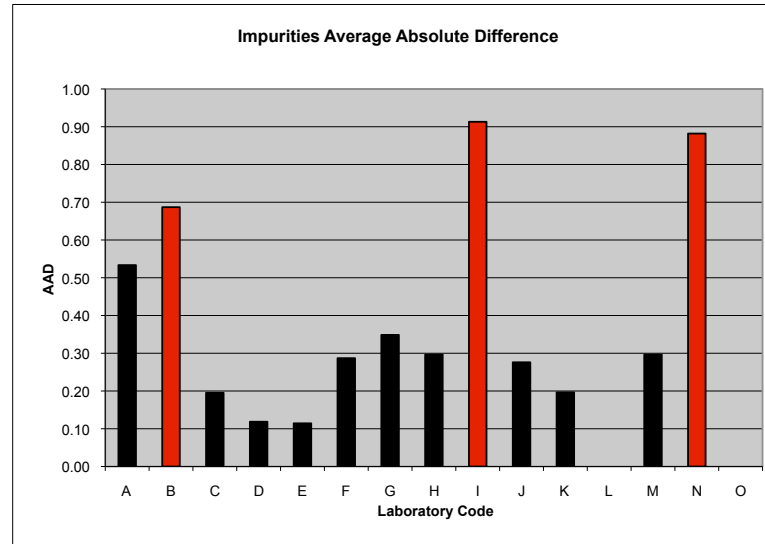
**2011 AOF Test Check Program  
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Test Weight kg/hl								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	67.90	0.94	66.50	1.99	67.00	2.02	1.65	1.65
B	69.25	2.29	66.63	2.11	68.00	3.02	2.47	2.47
C	66.25	-0.71	63.25	-1.26	65.05	0.07	-0.63	0.68
D								
E	66.20	-0.76	62.70	-1.81	63.50	-1.48	-1.35	1.35
F	67.25	0.29	64.75	0.24	65.00	0.02	0.18	0.18
G	65.06	-1.90	64.88	0.36	61.98	-3.00	-1.51	1.76
H	67.45	0.49	66.20	1.69	65.55	0.57	0.92	0.92
I	65.95	-1.01	62.55	-1.96	63.35	-1.63	-1.53	1.53
J	67.81	0.85	65.12	0.61	65.14	0.15	0.54	0.54
K	67.00	0.04	64.50	-0.01	66.00	1.02	0.35	0.36
L								
M	66.90	-0.06	63.45	-1.06	65.50	0.52	-0.20	0.55
N	66.08	-0.88	64.04	-0.48	64.03	-0.96	-0.77	0.77
O	67.35	0.39	64.10	-0.41	64.70	-0.28	-0.10	0.36
<b>MEAN</b>	<b>66.96</b>		<b>64.51</b>		<b>64.98</b>			<b>1.01</b>
<b>STDEV</b>	<b>1.07</b>		<b>1.36</b>		<b>1.57</b>			



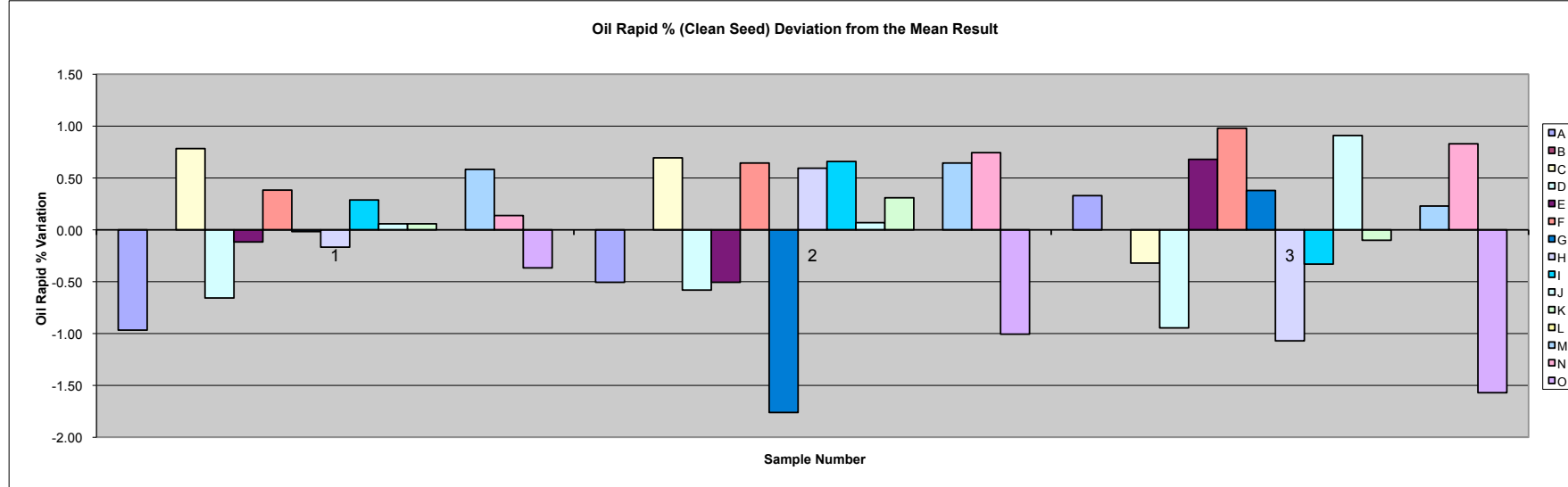
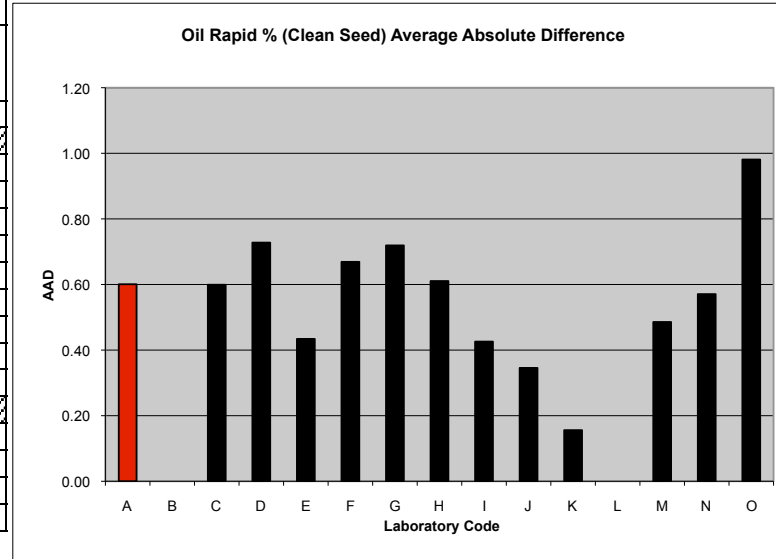
**2011 AOF Test Check Program  
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Impurities %								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	2.15	0.08	2.01	-0.41	1.80	-1.10	-0.48	0.53
B	2.79	0.72	3.06	0.64	3.61	0.70	0.69	0.69
C	2.21	0.15	2.61	0.18	3.16	0.26	0.20	0.20
D	1.96	-0.10	2.65	0.23	2.88	-0.03	0.03	0.12
E	1.91	-0.15	2.41	-0.01	3.08	0.18	0.00	0.11
F	2.25	0.19	2.50	0.08	3.50	0.60	0.29	0.29
G	2.06	0.00	3.14	0.72	2.58	-0.33	0.13	0.35
H	1.70	-0.36	2.00	-0.42	2.80	-0.10	-0.30	0.30
I	1.45	-0.61	1.40	-1.02	1.80	-1.10	-0.91	0.91
J	1.84	-0.22	2.18	-0.24	3.27	0.36	-0.03	0.28
K	1.90	-0.16	2.15	-0.27	2.75	-0.15	-0.20	0.20
L								
M	1.90	-0.16	2.35	-0.07	2.25	-0.65	-0.30	0.30
N	2.70	0.63	3.06	0.64	4.28	1.38	0.88	0.88
O								
MEAN	2.06		2.42		2.90			0.40
STDEV	0.37		0.50		0.71			



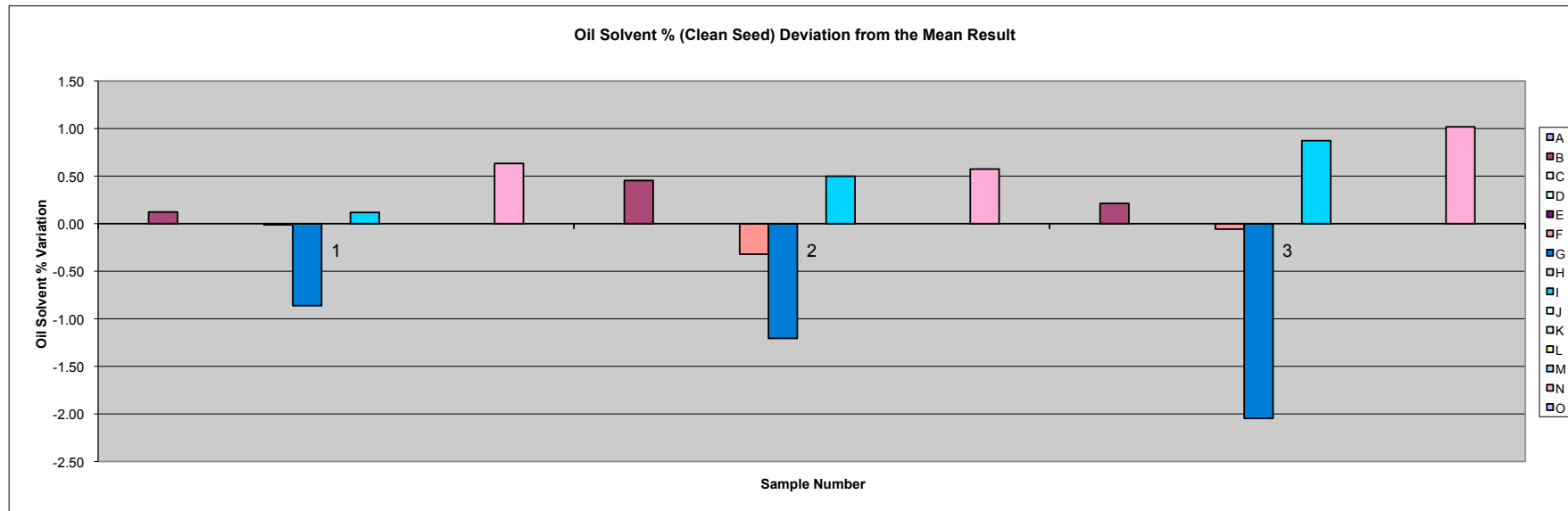
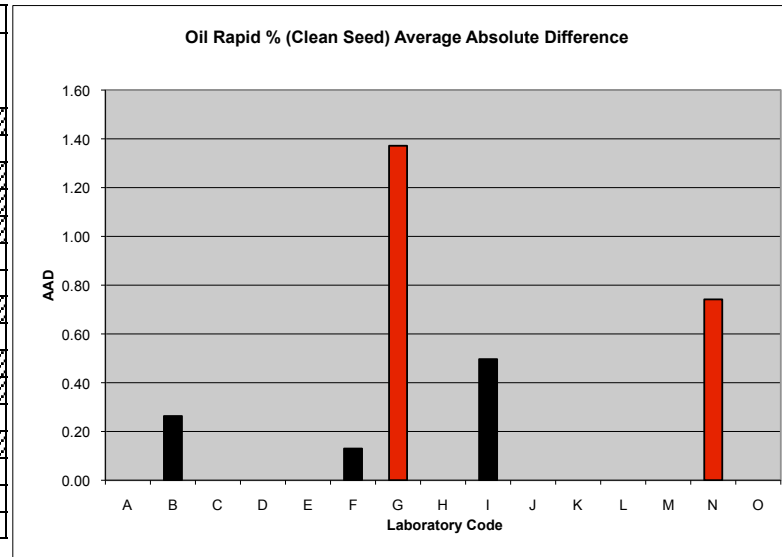
**2011 AOF Test Check Program  
Round 6 Summary - June**

Oil Rapid % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	40.30	-0.97	42.80	-0.51	38.25	0.33	-0.38	0.60
B								
C	42.05	0.78	44.00	0.69	37.60	-0.32	0.39	0.60
D	40.61	-0.66	42.73	-0.58	36.98	-0.95	-0.73	0.73
E	41.15	-0.12	42.80	-0.51	38.60	0.68	0.02	0.43
F	41.65	0.38	43.95	0.64	38.90	0.98	0.67	0.67
G	41.25	-0.02	41.55	-1.76	38.30	0.38	-0.47	0.72
H	41.10	-0.17	43.90	0.59	36.85	-1.07	-0.21	0.61
I	41.56	0.29	43.97	0.66	37.59	-0.33	0.21	0.43
J	41.33	0.06	43.38	0.07	38.83	0.91	0.35	0.35
K	41.33	0.06	43.62	0.31	37.82	-0.10	0.09	0.16
L								
M	41.85	0.58	43.95	0.64	38.15	0.23	0.49	0.49
N	41.41	0.14	44.05	0.74	38.75	0.83	0.57	0.57
O	40.90	-0.37	42.30	-1.01	36.35	-1.57	-0.98	0.98
<b>MEAN</b>	<b>41.27</b>		<b>43.31</b>		<b>37.92</b>			<b>0.56</b>
<b>STDEV</b>	<b>0.48</b>		<b>0.80</b>		<b>0.81</b>			



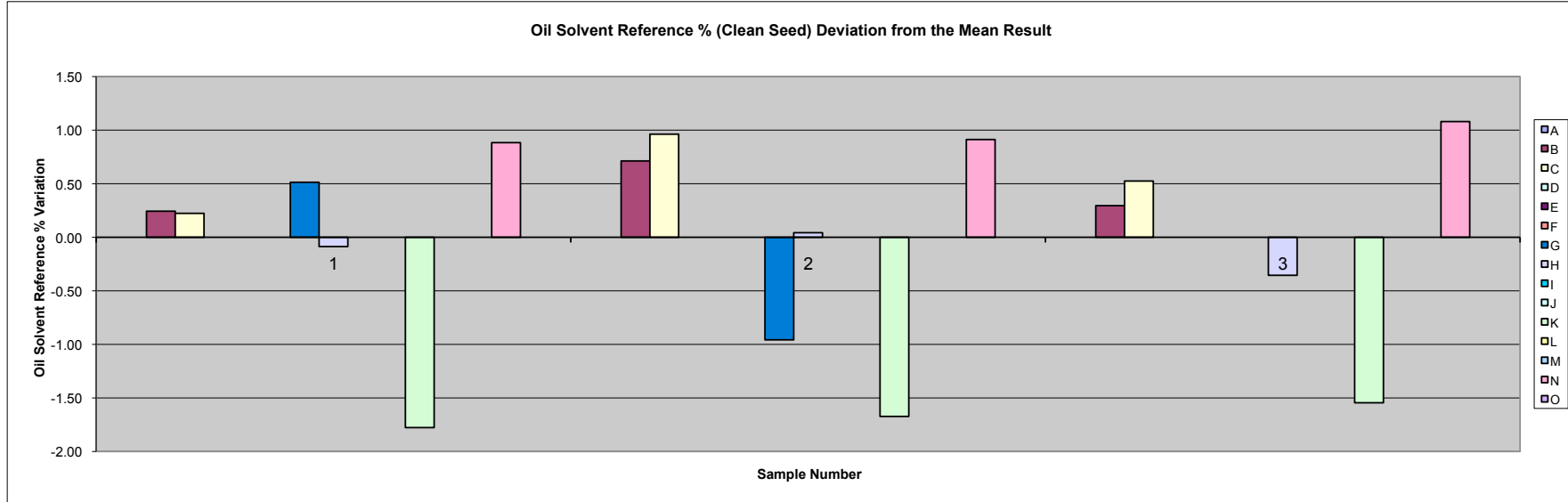
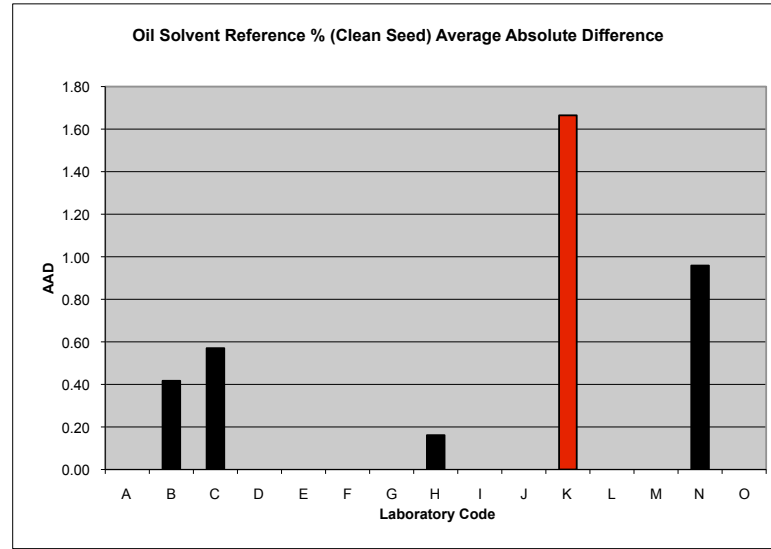
**2011 AOF Test Check Program  
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Oil Solvent % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	41.74	0.12	43.58	0.45	37.62	0.21	0.26	0.26
C								
D								
E								
F	41.60	-0.01	42.80	-0.32	37.35	-0.06	-0.13	0.13
G	40.75	-0.86	41.92	-1.21	35.36	-2.05	-1.37	1.37
H								
I	41.73	0.12	43.62	0.50	38.28	0.87	0.50	0.50
J								
K								
L								
M								
N	42.25	0.63	43.70	0.57	38.43	1.02	0.74	0.74
O								
<b>MEAN</b>	<b>41.61</b>		<b>43.12</b>		<b>37.41</b>			<b>0.60</b>
<b>STDEV</b>	<b>0.54</b>		<b>0.77</b>		<b>1.23</b>			



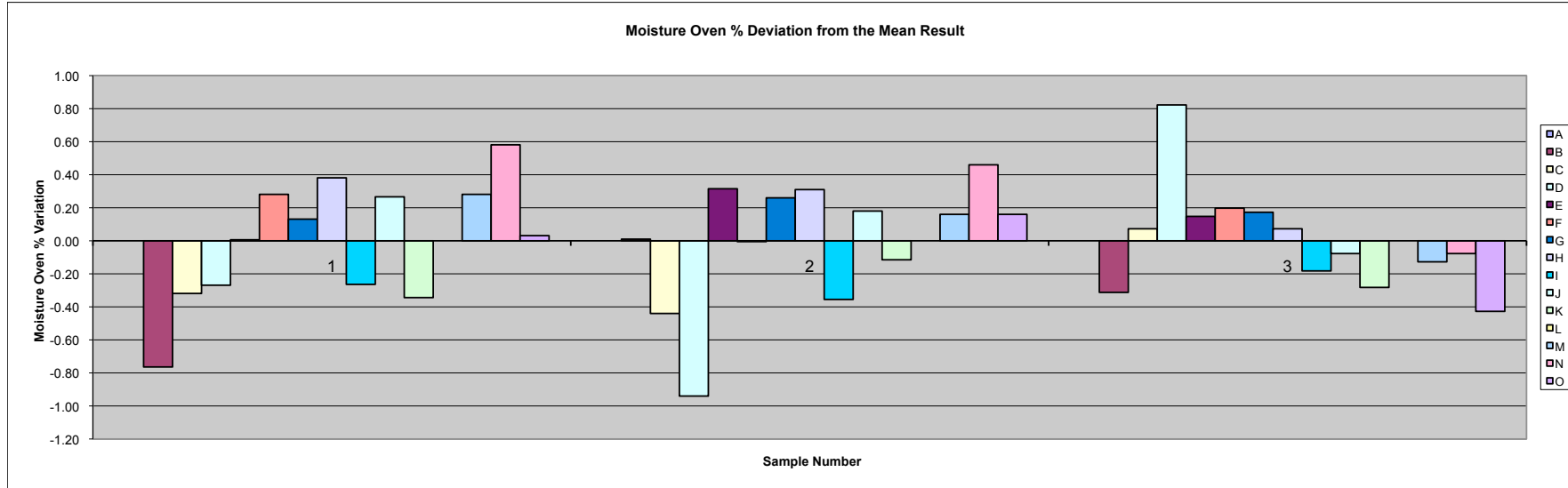
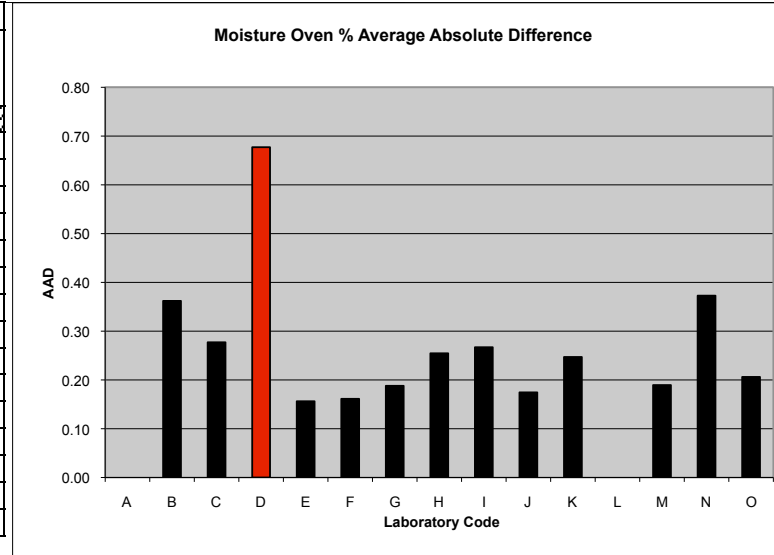
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Oil Solvent Reference % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	41.83	0.24	43.57	0.71	37.85	0.30	0.42	0.42
C	41.81	0.22	43.82	0.96	38.08	0.52	0.57	0.57
D								
E								
F								
G	42.10	0.51	41.90	-0.96				
H	41.50	-0.09	42.90	0.04	37.20	-0.35	-0.13	0.16
I								
J								
K	39.81	-1.78	41.19	-1.67	36.01	-1.54	-1.66	1.66
L								
M								
N	42.47	0.88	43.77	0.91	38.64	1.08	0.96	0.96
O								
<b>MEAN</b>	<b>41.59</b>		<b>42.86</b>		<b>37.56</b>			<b>0.75</b>
<b>STDEV</b>	<b>0.93</b>		<b>1.09</b>		<b>1.01</b>			



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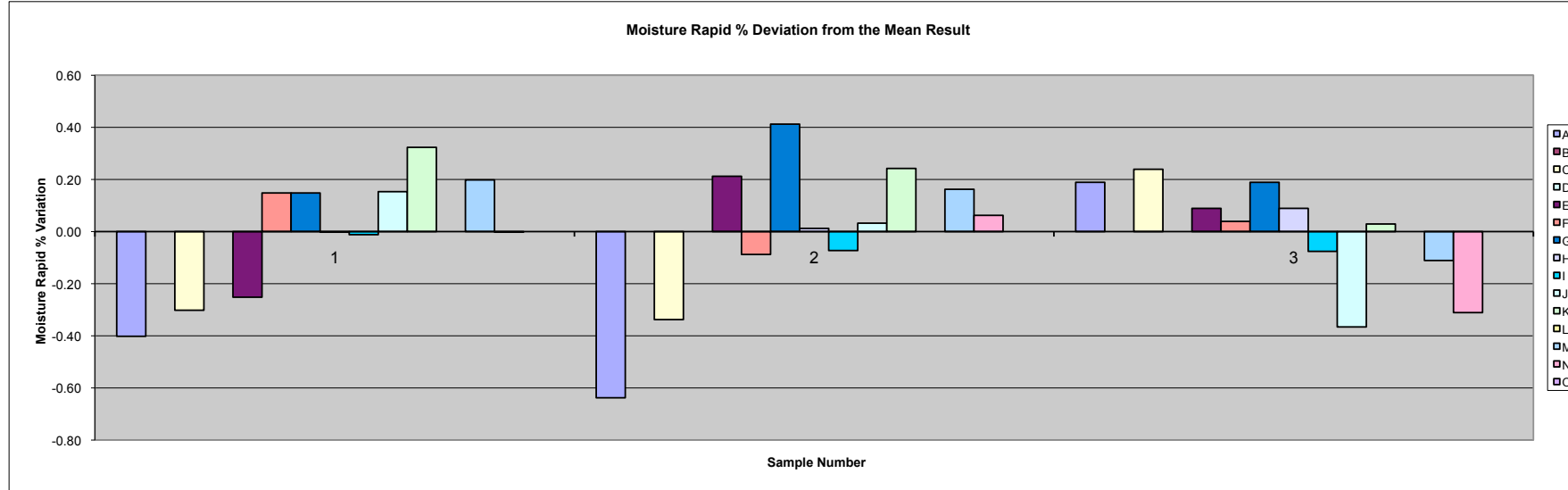
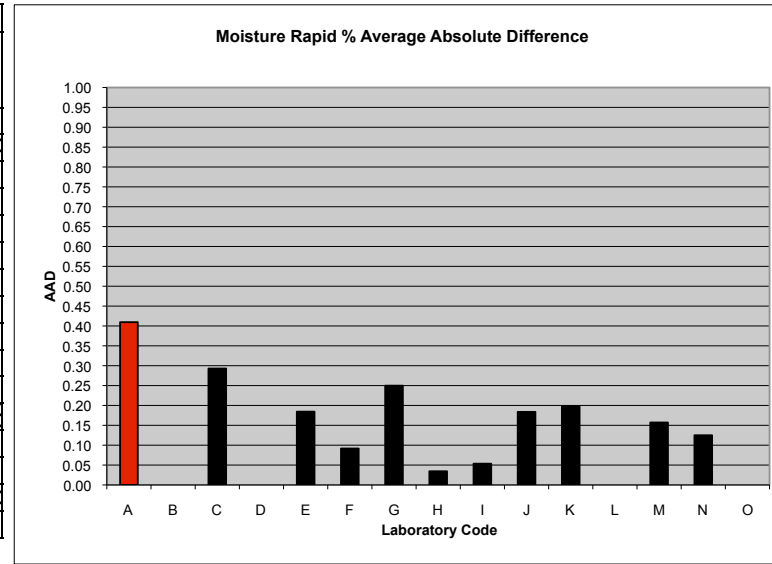
Moisture Oven % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	6.36	-0.76	6.85	0.01	5.42	-0.31	-0.36	0.36
C	6.80	-0.32	6.40	-0.44	5.80	0.07	-0.23	0.28
D	6.85	-0.27	5.90	-0.94	6.55	0.82	-0.13	0.68
E	7.13	0.01	7.16	0.32	5.88	0.15	0.16	0.16
F	7.40	0.28	6.84	0.00	5.93	0.20	0.16	0.16
G	7.25	0.13	7.10	0.26	5.90	0.17	0.19	0.19
H	7.50	0.38	7.15	0.31	5.80	0.07	0.25	0.25
I	6.86	-0.26	6.49	-0.36	5.55	-0.18	-0.27	0.27
J	7.39	0.27	7.02	0.18	5.65	-0.08	0.12	0.17
K	6.78	-0.34	6.73	-0.11	5.45	-0.28	-0.25	0.25
L								
M	7.40	0.28	7.00	0.16	5.60	-0.13	0.10	0.19
N	7.70	0.58	7.30	0.46	5.65	-0.08	0.32	0.37
O	7.15	0.03	7.00	0.16	5.30	-0.43	-0.08	0.21
MEAN	7.12		6.84		5.73			0.27
STDEV	0.37		0.38		0.32			





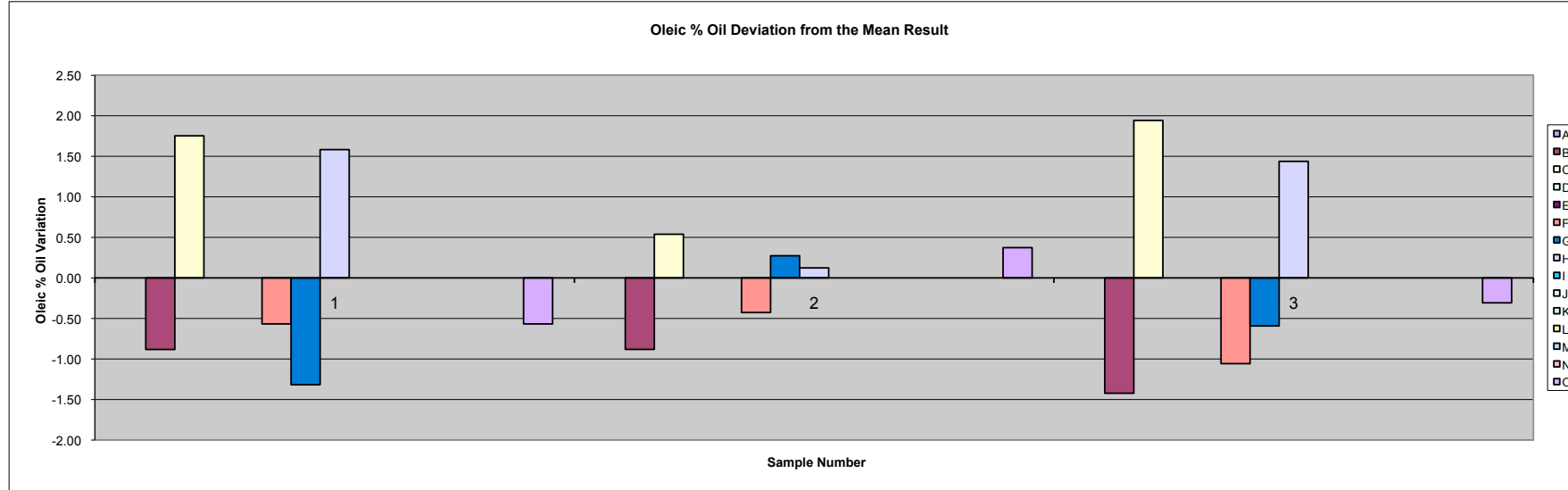
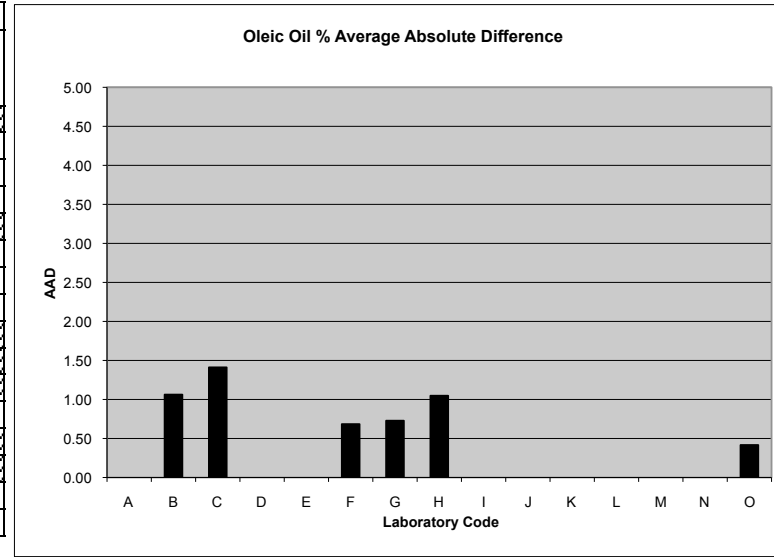
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Moisture Rapid % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	6.95	-0.40	6.30	-0.64	5.90	0.19	-0.28	0.41
B								
C	7.05	-0.30	6.60	-0.34	5.95	0.24	-0.13	0.29
D								
E	7.10	-0.25	7.15	0.21	5.80	0.09	0.02	0.18
F	7.50	0.15	6.85	-0.09	5.75	0.04	0.03	0.09
G	7.50	0.15	7.35	0.41	5.90	0.19	0.25	0.25
H	7.35	0.00	6.95	0.01	5.80	0.09	0.03	0.03
I	7.34	-0.01	6.87	-0.07	5.64	-0.08	-0.05	0.05
J	7.51	0.15	6.97	0.03	5.35	-0.37	-0.06	0.18
K	7.68	0.32	7.18	0.24	5.74	0.03	0.20	0.20
L								
M	7.55	0.20	7.10	0.16	5.60	-0.11	0.08	0.16
N	7.35	0.00	7.00	0.06	5.40	-0.31	-0.08	0.13
O								
MEAN	7.35		6.94		5.71			0.18
STDEV	0.23		0.29		0.20			



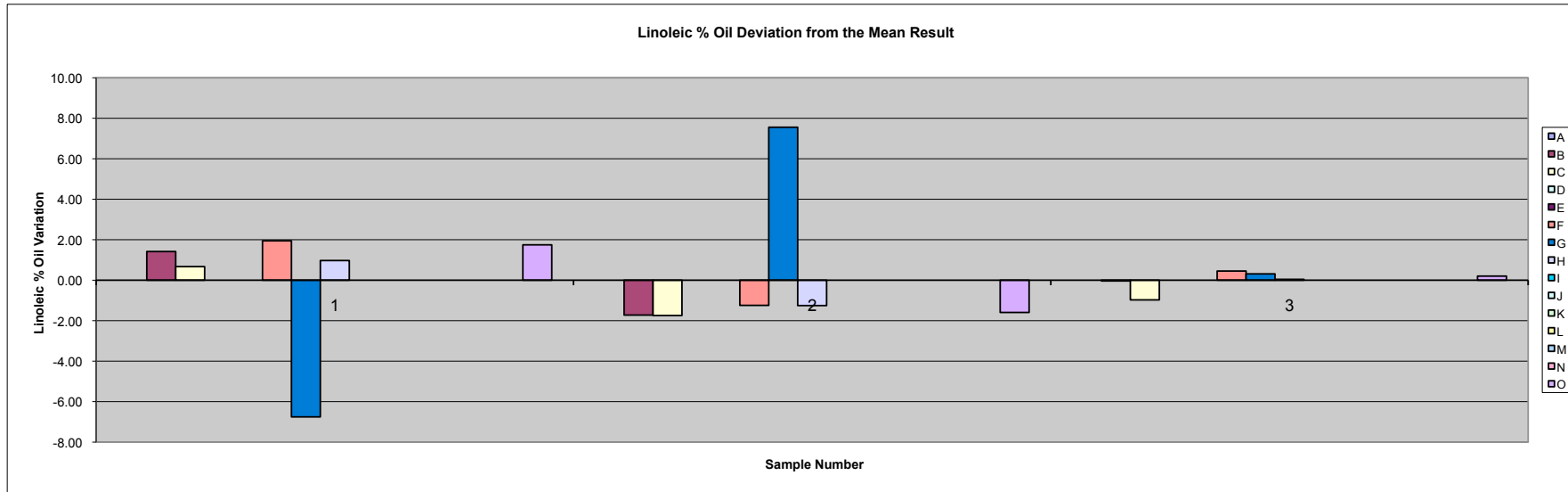
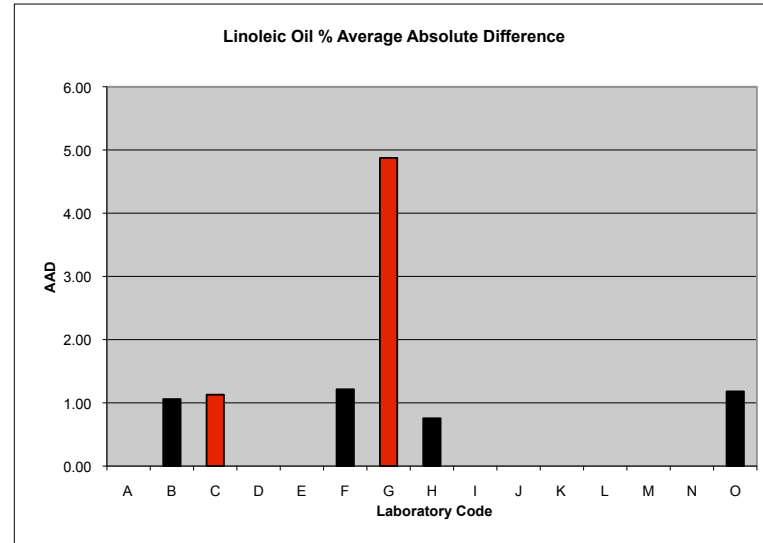
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Oleic % Oil Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	59.04	-0.88	64.55	-0.88	60.99	-1.42	-1.06	1.06
C	61.67	1.75	65.97	0.54	64.35	1.94	1.41	1.41
D								
E								
F	59.35	-0.57	65.00	-0.43	61.35	-1.06	-0.68	0.68
G	58.60	-1.32	65.70	0.27	61.82	-0.59	-0.55	0.73
H	61.50	1.58	65.55	0.12	63.85	1.44	1.05	1.05
I								
J								
K								
L								
M								
N								
O	59.35	-0.57	65.80	0.37	62.10	-0.31	-0.17	0.42
<b>MEAN</b>	<b>59.92</b>		<b>65.43</b>		<b>62.41</b>			<b>0.89</b>
<b>STDEV</b>	<b>1.32</b>		<b>0.54</b>		<b>1.37</b>			



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Linoleic % Oil Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	20.37	1.42	17.72	-1.72	19.86	-0.04	-0.11	1.06
C	19.63	0.67	17.70	-1.74	18.93	-0.97	-0.68	1.13
D								
E								
F	20.90	1.95	18.20	-1.24	20.35	0.45	0.39	1.21
G	12.20	-6.75	27.00	-7.56	20.21	0.31	0.37	4.87
H	19.93	0.97	18.19	-1.25	19.94	0.04	-0.08	0.76
I								
J								
K								
L								
M								
N								
O	20.70	1.75	17.85	-1.59	20.10	0.20	0.12	1.18
MEAN	18.95		19.44		19.90			1.70
STDEV	3.34		3.71		0.51			



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Free Fatty Acid % Oil Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	0.19	-0.18	0.34	-0.20	0.33	-0.21	-0.20	0.20
C	0.33	-0.04	0.44	-0.10	0.38	-0.16	-0.10	0.10
D	0.32	-0.05	0.34	-0.20	0.43	-0.11	-0.12	0.12
E	0.83	0.46	1.19	0.65	1.47	0.94	0.68	0.68
F	0.47	0.10	0.66	0.12	0.47	-0.07	0.05	0.10
G	0.40	0.03	0.68	0.14	0.60	0.07	0.08	0.08
H	0.20	-0.17	0.28	-0.26	0.29	-0.24	-0.22	0.22
I								
J								
K	0.20	-0.17	0.39	-0.15	0.32	-0.21	-0.18	0.18
L								
M								
N								
O								
MEAN	0.37		0.54		0.53			0.21
STDEV	0.21		0.30		0.39			

