



**2011 AOF Test Check Program**  
**Monthly Report**  
**Round 1**  
**January 2011**  
4/01/2011 – 31/01/2011

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**Result Receival Dates**

<b>Lab Code</b>	<b>Date</b>
<b>A</b>	31/01/2011
<b>B</b>	25/01/2011
<b>C</b>	20/01/2011
<b>D</b>	20/01/2011
<b>E</b>	31/01/2011
<b>F</b>	09/02/2011
<b>G</b>	03/02/2011
<b>H</b>	31/01/2011
<b>I</b>	21/01/2011
<b>J</b>	19/01/2011
<b>K</b>	1/02/2011
<b>L</b>	Not submitted
<b>M</b>	20/01/2011
<b>N</b>	31/01/2011
<b>O</b>	31/01/2011

**Discussion of Results**

***Test Weight***

Lab E & G generated outlier for sample 2 and produced an average absolute difference of 1.44 and 2.11 respectively. The mean differences for these two labs are -3.10 for Lab E and -2.40 for Lab G.

***Impurities***

Several Labs have indicated an outlier for the Impurities this round. Lab N produced the highest average absolute difference of 1.05 with an outlier appearing in sample 3 (mean difference of 2.33). For sample 1, an outlier was identified with Lab A generating a mean difference of 0.79. Lab I had an outlier for sample 2 and generated a mean difference of -0.75. Lab F submitted a mean difference outlier of -1.87 for sample 3.

***Oil Rapid***

Lab J produced an average absolute difference of 1.19 with an outlier found in sample 2. The mean difference for that sample is 0.94.



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***Oil Solvent***

No outliers were submitted for Oil Solvent this round.

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

Lab B and Lab K were the only two Labs that submitted an outlier in sample 2 this round. Lab B had a mean difference of 0.25 and Lab K had a mean difference of -0.53.

***Oil SFE***

No labs submitted results for Oil SFE this round.

***Moisture Oven***

Lab D and J have shown outliers for all 3 samples, generating an average absolute difference of 0.50 for Lab D and 0.77 for Lab J. Lab I submitted an outlier in sample 1 with mean difference of 0.32.

***Moisture Rapid***

Lab D generated an outlier for Moisture Rapid with an average absolute difference of 0.87 and a mean difference of -1.06 for sample 1 and -1.45 for sample 3. Lab F has produced an outlier in sample 1 with a mean difference of 0.54.

***Oleic Oil***

Lab C recorded a mean difference of 1.96 for their sample 2 result.

***Linoleic Oil***

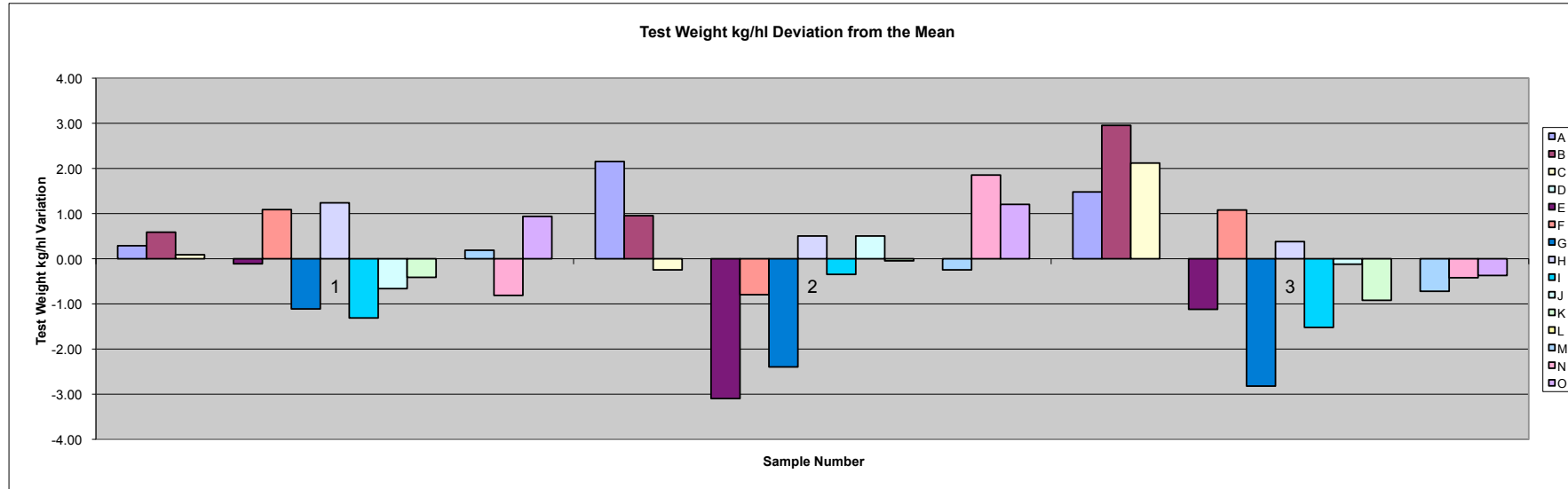
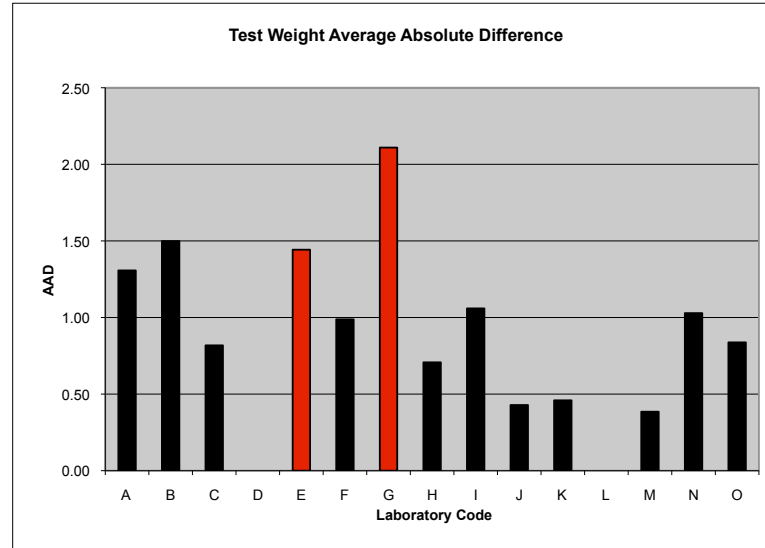
Lab D and Lab G were the only 2 labs to have logged outliers for Linoleic Oil. With an average absolute difference of 1.47, Lab D produced a mean difference of 2.34 for sample 1 and 1.77 for sample 2. Lab G had an average absolute difference of 1.30 with a mean difference of -2.21 in sample 1 and -0.99 in sample 3.

***Free Fatty Acid***

Lab F submitted outliers for sample 2 and 3, generating an average absolute difference of 0.82 with a mean difference of 1.01 and 1.05 for sample 2 and 3 respectively. Lab D generated an outlier for sample 1 with a mean difference of 0.71.

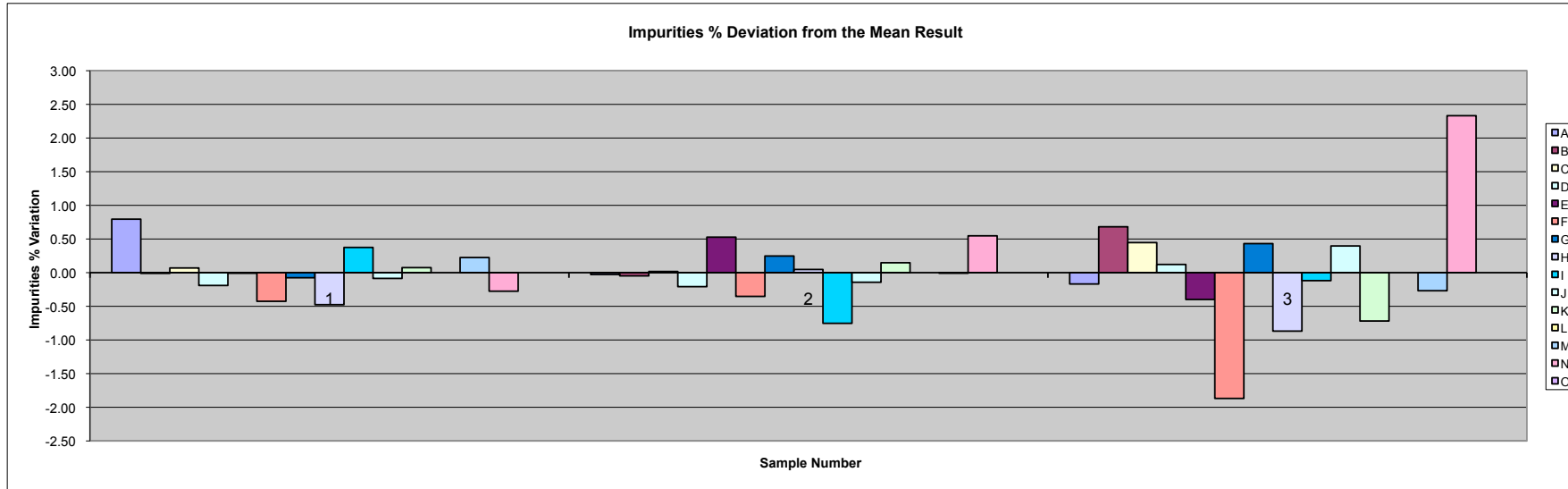
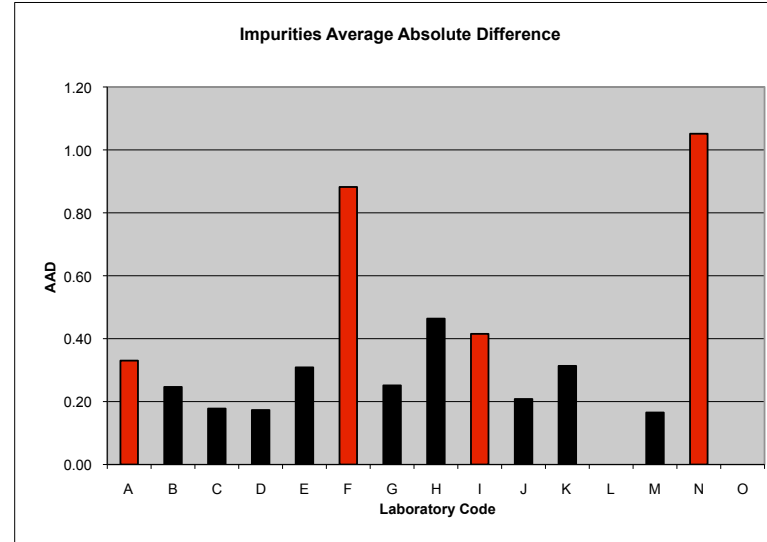
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Test Weight kg/hl								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	67.70	0.29	67.70	2.15	68.40	1.48	1.31	1.31
B	68.00	0.59	66.50	0.95	69.88	2.95	1.50	1.50
C	67.50	0.09	65.30	-0.25	69.04	2.12	0.65	0.82
D								
E	67.30	-0.11	62.45	-3.10	65.80	-1.12	-1.44	1.44
F	68.50	1.09	64.75	-0.80	68.00	1.08	0.46	0.99
G	66.30	-1.11	63.15	-2.40	64.10	-2.82	-2.11	2.11
H	68.65	1.24	66.05	0.50	67.30	0.38	0.71	0.71
I	66.10	-1.31	65.20	-0.35	65.40	-1.52	-1.06	1.06
J	66.75	-0.66	66.05	0.50	66.80	-0.12	-0.09	0.43
K	67.00	-0.41	65.50	-0.05	66.00	-0.92	-0.46	0.46
L								
M	67.60	0.19	65.30	-0.25	66.20	-0.72	-0.26	0.39
N	66.60	-0.81	67.40	1.85	66.50	-0.42	0.21	1.03
O	68.35	0.94	66.75	1.20	66.55	-0.37	0.59	0.84
<b>MEAN</b>	<b>67.41</b>		<b>65.55</b>		<b>66.92</b>			<b>1.01</b>
<b>STDEV</b>	<b>0.83</b>		<b>1.50</b>		<b>1.58</b>			



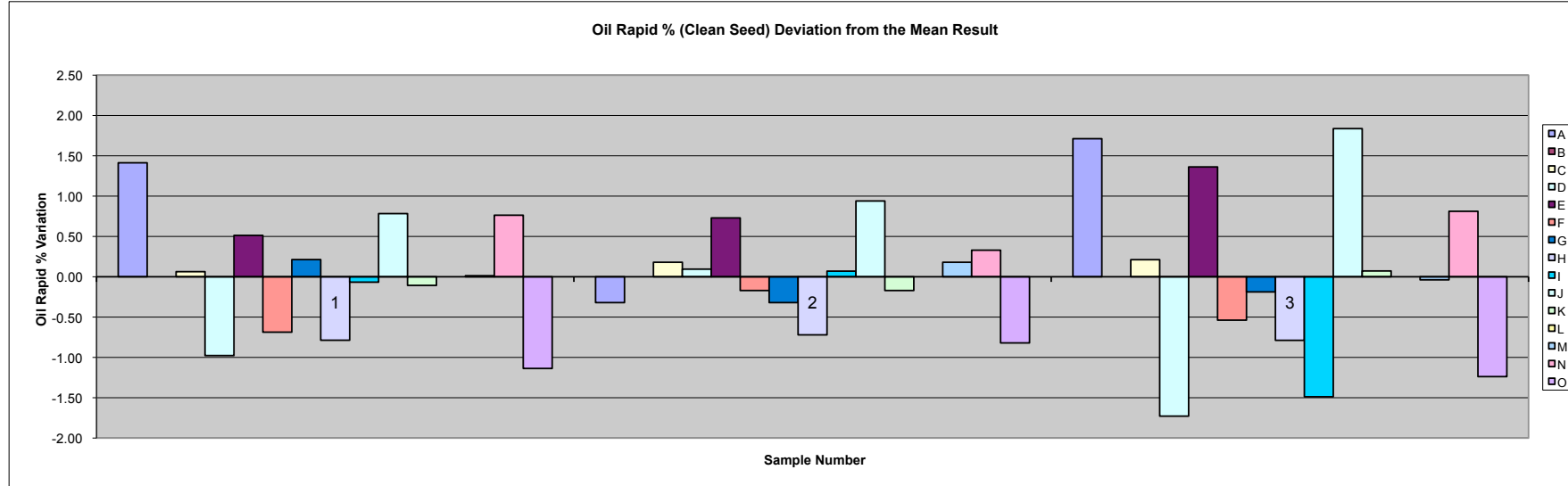
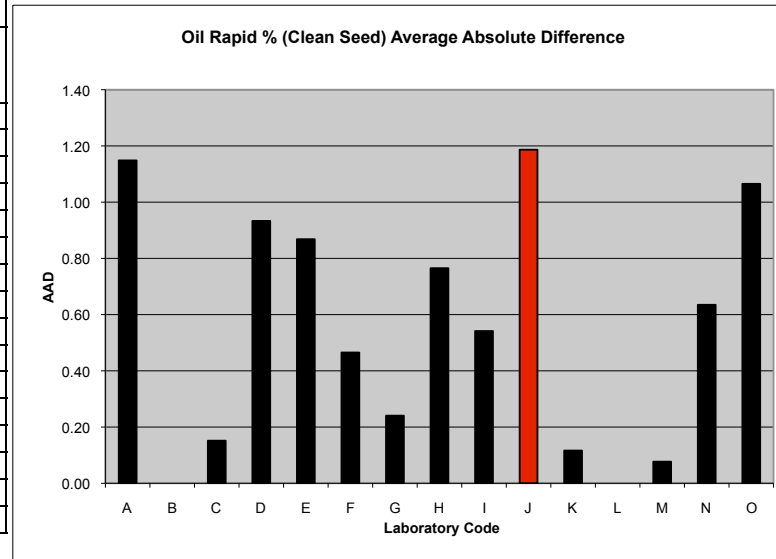
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Impurities %								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	2.02	0.79	1.03	-0.03	4.60	-0.17	0.20	0.33
B	1.22	-0.01	1.01	-0.05	5.45	0.68	0.21	0.25
C	1.30	0.07	1.07	0.02	5.22	0.45	0.18	0.18
D	1.04	-0.19	0.85	-0.21	4.89	0.12	-0.09	0.17
E	1.23	0.00	1.58	0.53	4.37	-0.40	0.04	0.31
F	0.80	-0.43	0.70	-0.35	2.90	-1.87	-0.88	0.88
G	1.15	-0.08	1.30	0.25	5.20	0.43	0.20	0.25
H	0.75	-0.48	1.10	0.05	3.90	-0.87	-0.43	0.46
I	1.60	0.37	0.30	-0.75	4.65	-0.12	-0.17	0.42
J	1.14	-0.09	0.91	-0.14	5.17	0.40	0.06	0.21
K	1.30	0.07	1.20	0.15	4.05	-0.72	-0.17	0.31
L								
M	1.45	0.22	1.05	0.00	4.50	-0.27	-0.02	0.17
N	0.95	-0.28	1.60	0.55	7.10	2.33	0.87	1.05
O								
<b>MEAN</b>	<b>1.23</b>		<b>1.05</b>		<b>4.77</b>			<b>0.38</b>
<b>STDEV</b>	<b>0.34</b>		<b>0.34</b>		<b>0.98</b>			



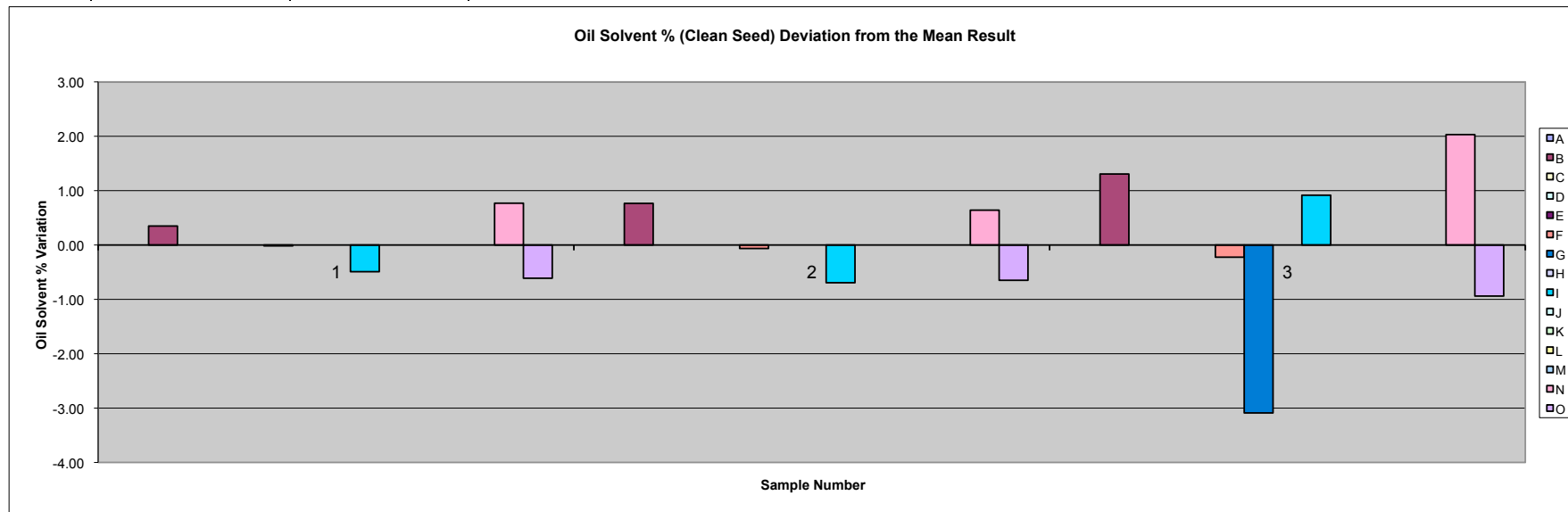
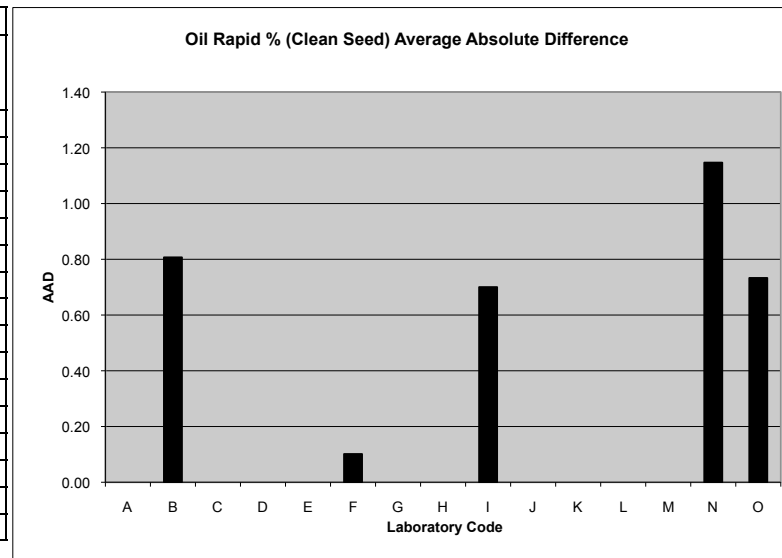
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Oil Rapid % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	41.65	1.41	46.70	-0.32	35.45	1.71	0.93	1.15
B								
C	40.30	0.06	47.20	0.18	33.95	0.21	0.15	0.15
D	39.26	-0.98	47.12	0.09	32.01	-1.73	-0.87	0.93
E	40.75	0.51	47.75	0.73	35.10	1.36	0.87	0.87
F	39.55	-0.69	46.85	-0.17	33.20	-0.54	-0.47	0.47
G	40.45	0.21	46.70	-0.32	33.55	-0.19	-0.10	0.24
H	39.45	-0.79	46.30	-0.72	32.95	-0.79	-0.77	0.77
I	40.17	-0.07	47.09	0.07	32.25	-1.49	-0.50	0.54
J	41.02	0.78	47.96	0.94	35.58	1.84	1.19	1.19
K	40.13	-0.11	46.85	-0.17	33.81	0.07	-0.07	0.12
L								
M	40.25	0.01	47.20	0.18	33.70	-0.04	0.05	0.08
N	41.00	0.76	47.35	0.33	34.55	0.81	0.63	0.63
O	39.10	-1.14	46.20	-0.82	32.50	-1.24	-1.07	1.07
<b>MEAN</b>	<b>40.24</b>		<b>47.02</b>		<b>33.74</b>			<b>0.63</b>
<b>STDEV</b>	<b>0.76</b>		<b>0.50</b>		<b>1.17</b>			



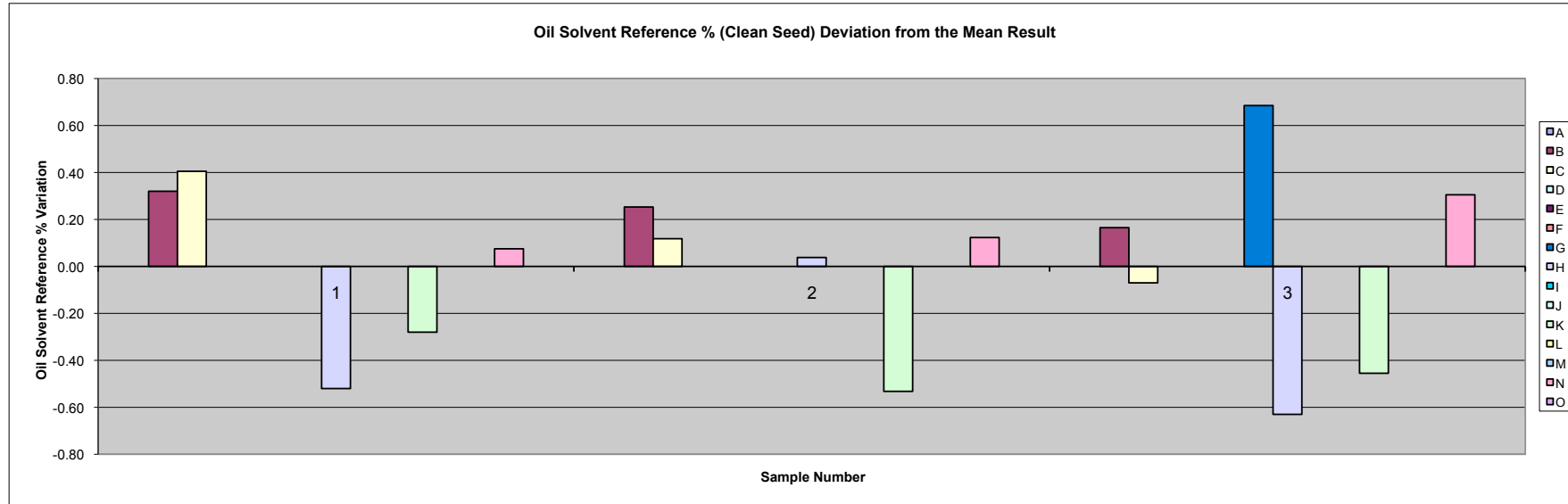
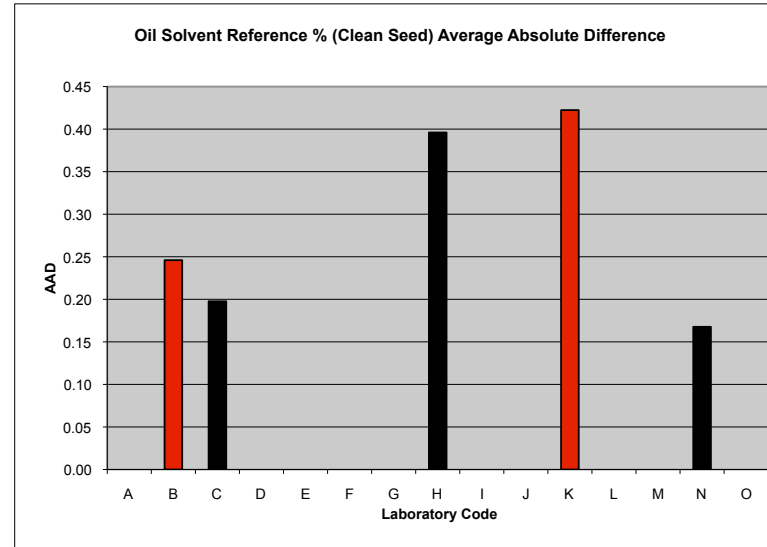
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Oil Solvent % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	40.71	0.35	47.67	0.77	34.10	1.31	0.81	0.81
C								
D								
E								
F	40.35	-0.02	46.84	-0.06	32.57	-0.22	-0.10	0.10
G					29.70	-3.09		
H								
I	39.87	-0.49	46.21	-0.69	33.71	0.92	-0.09	0.70
J								
K								
L								
M								
N	41.13	0.77	47.54	0.64	34.82	2.03	1.15	1.15
O	39.75	-0.61	46.25	-0.65	31.85	-0.94	-0.73	0.73
<b>MEAN</b>	<b>40.36</b>		<b>46.90</b>		<b>32.79</b>			<b>0.70</b>
<b>STDEV</b>	<b>0.58</b>		<b>0.69</b>		<b>1.85</b>			



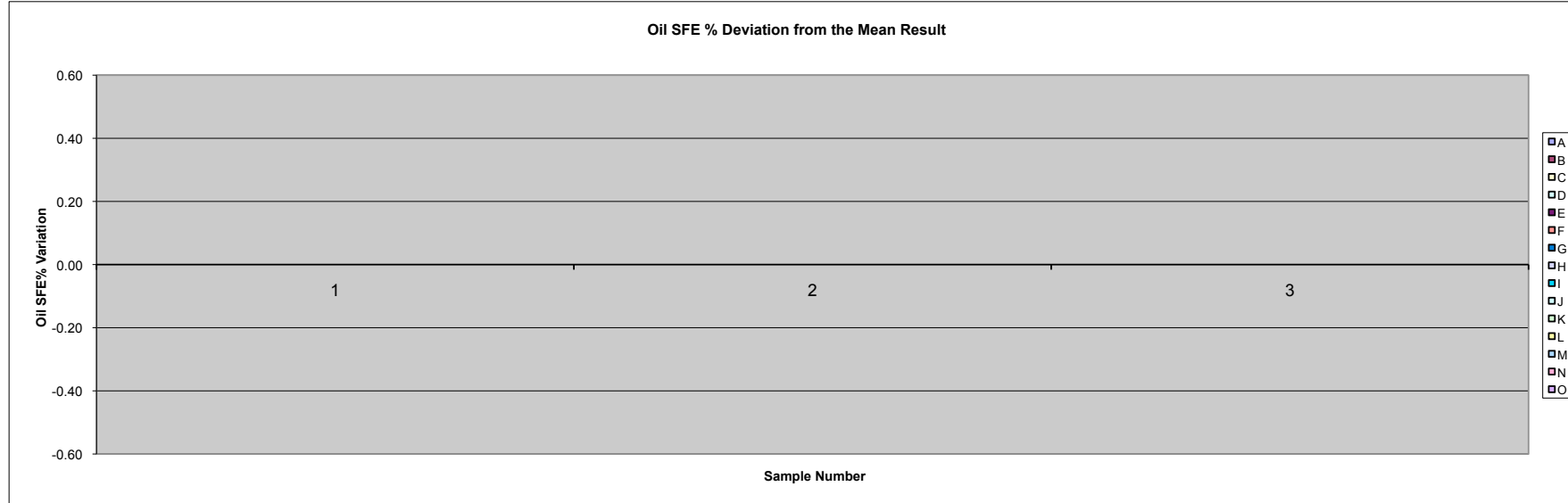
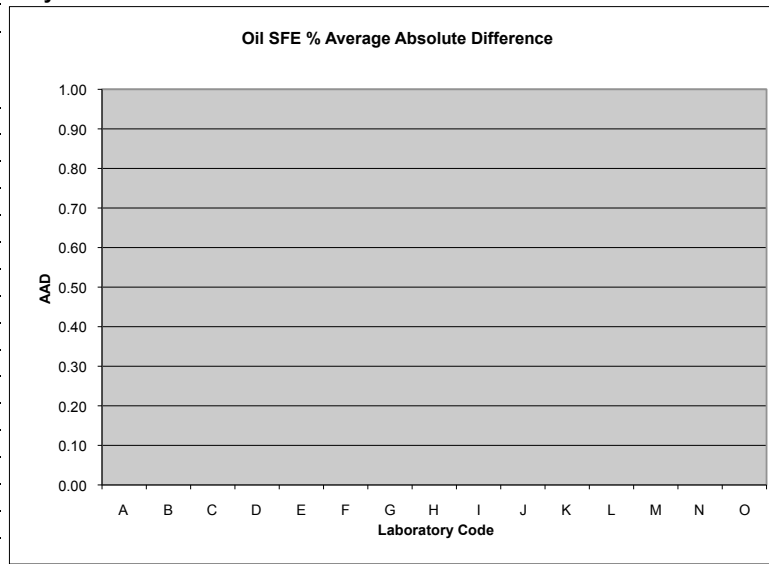
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Oil Solvent Reference % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	40.64	0.32	47.47	0.25	34.20	0.16	0.25	0.25
C	40.73	0.40	47.33	0.12	33.96	-0.07	0.15	0.20
D								
E								
F								
G					34.72	0.68		
H	39.80	-0.52	47.25	0.04	33.40	-0.63	-0.37	0.40
I								
J								
K	40.04	-0.28	46.68	-0.53	33.58	-0.46	-0.42	0.42
L								
M								
N	40.40	0.07	47.34	0.12	34.34	0.30	0.17	0.17
O								
<b>MEAN</b>	<b>40.32</b>		<b>47.21</b>		<b>34.03</b>			<b>0.29</b>
<b>STDEV</b>	<b>0.39</b>		<b>0.31</b>		<b>0.49</b>			



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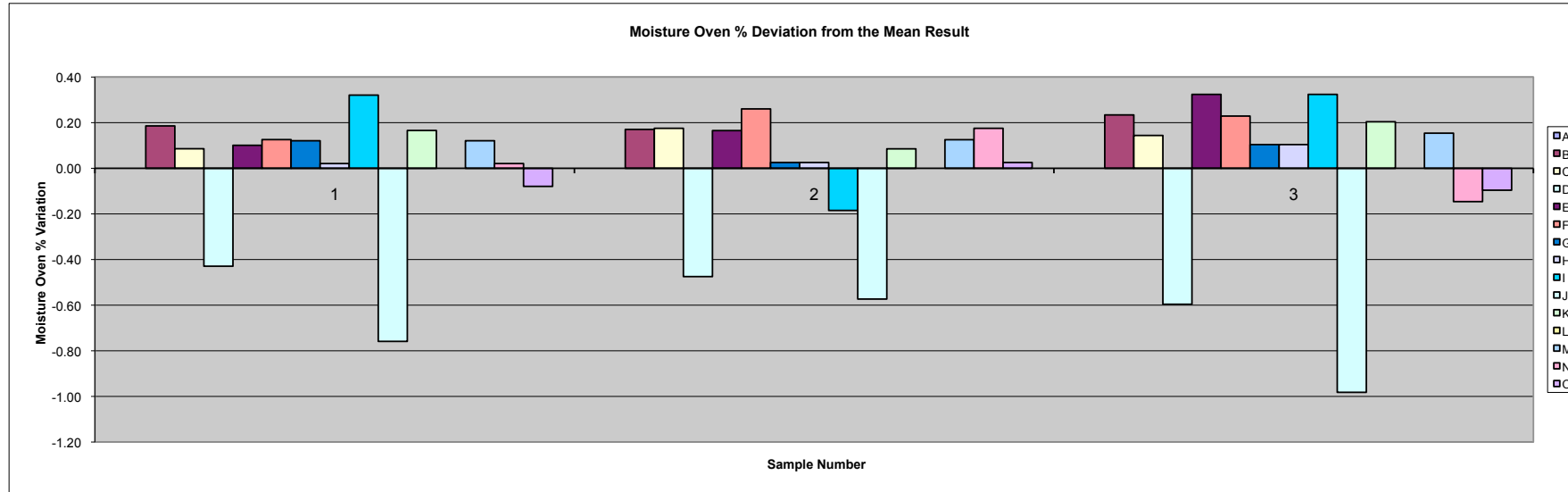
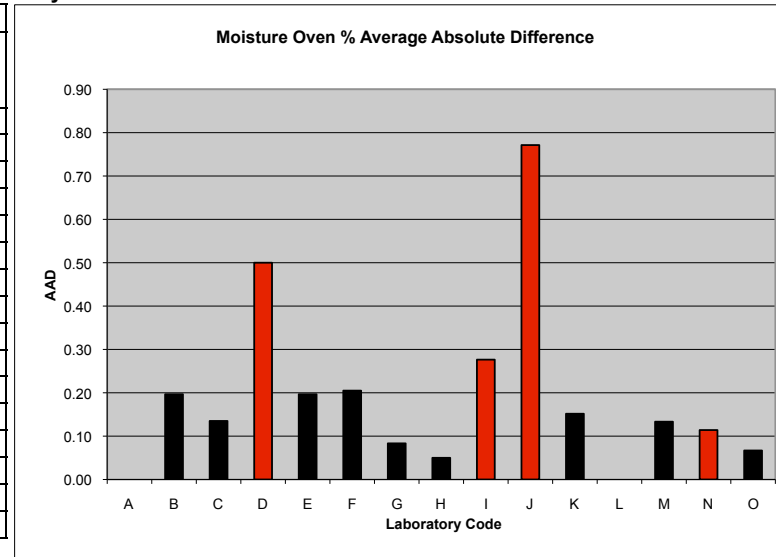
Oil SFE% Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B								
C								
D								
E								
F								
G								
H								
I								
J								
K								
L								
M								
N								
O								
<b>MEAN</b>	#DIV/0!		#DIV/0!		#DIV/0!			#DIV/0!
<b>STDEV</b>	#DIV/0!		#DIV/0!		#DIV/0!			#DIV/0!





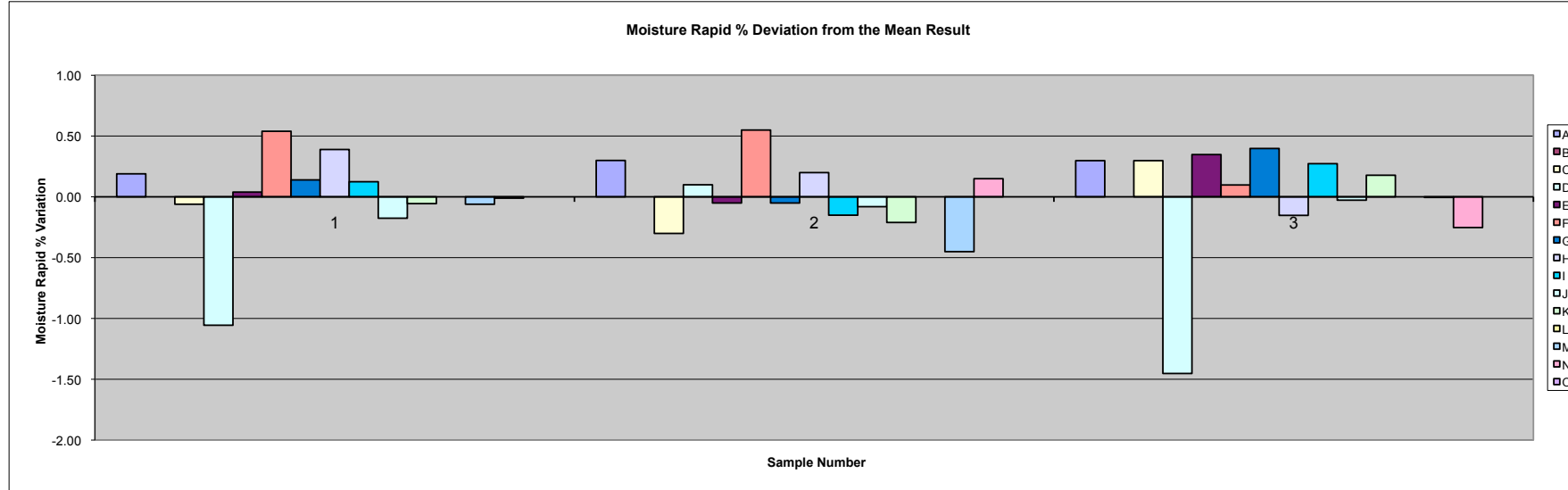
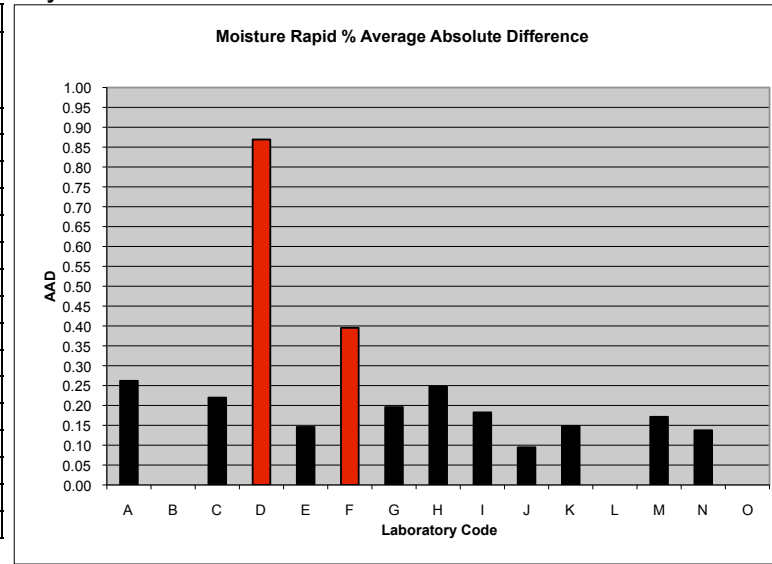
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Moisture Oven % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	5.67	0.19	5.05	0.17	6.38	0.23	0.20	0.20
C	5.57	0.09	5.05	0.18	6.29	0.14	0.13	0.13
D	5.05	-0.43	4.40	-0.47	5.55	-0.60	-0.50	0.50
E	5.58	0.10	5.04	0.17	6.47	0.32	0.20	0.20
F	5.61	0.13	5.14	0.26	6.38	0.23	0.20	0.20
G	5.60	0.12	4.90	0.03	6.25	0.10	0.08	0.08
H	5.50	0.02	4.90	0.03	6.25	0.10	0.05	0.05
I	5.80	0.32	4.69	-0.18	6.47	0.32	0.15	0.28
J	4.72	-0.76	4.30	-0.57	5.16	-0.98	-0.77	0.77
K	5.65	0.17	4.96	0.09	6.35	0.20	0.15	0.15
L								
M	5.60	0.12	5.00	0.13	6.30	0.15	0.13	0.13
N	5.50	0.02	5.05	0.18	6.00	-0.15	0.02	0.11
O	5.40	-0.08	4.90	0.03	6.05	-0.10	-0.05	0.07
MEAN	5.48		4.87		6.15			0.22
STDEV	0.29		0.26		0.38			



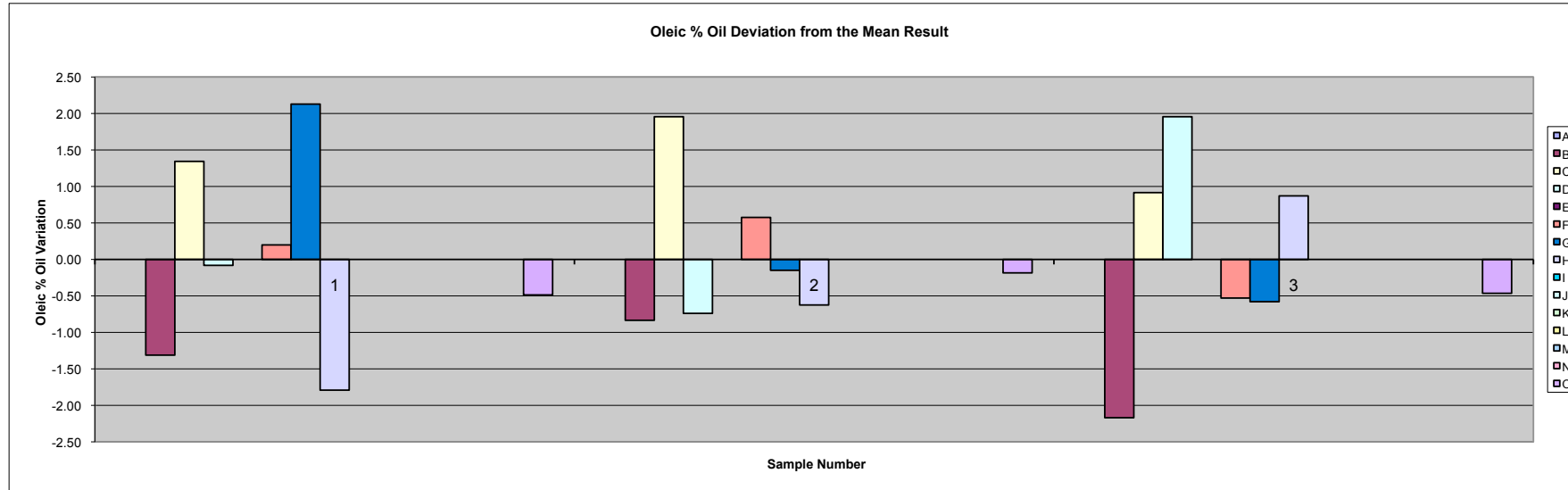
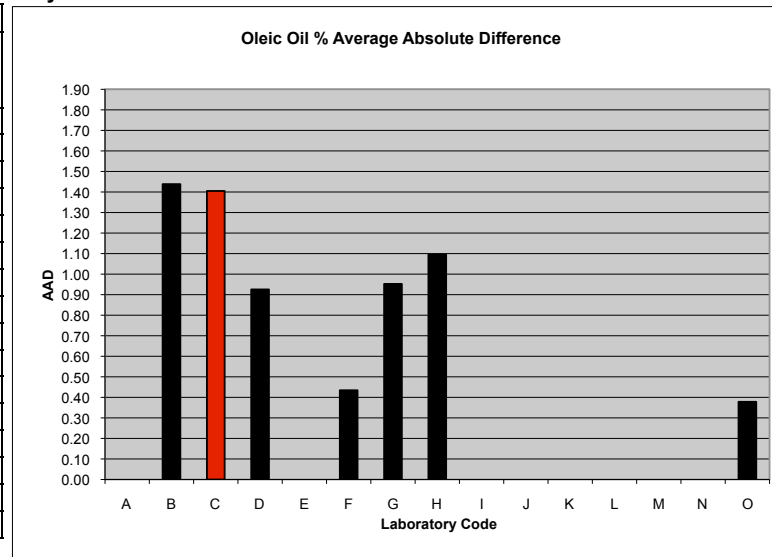
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Moisture Rapid % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	5.65	0.19	5.15	0.30	6.65	0.30	0.26	0.26
B								
C	5.40	-0.06	4.55	-0.30	6.65	0.30	-0.02	0.22
D	4.41	-1.06	4.95	0.10	4.90	-1.45	-0.80	0.87
E	5.50	0.04	4.80	-0.05	6.70	0.35	0.11	0.15
F	6.00	0.54	5.40	0.55	6.45	0.10	0.40	0.40
G	5.60	0.14	4.80	-0.05	6.75	0.40	0.16	0.20
H	5.85	0.39	5.05	0.20	6.20	-0.15	0.15	0.25
I	5.59	0.12	4.70	-0.15	6.63	0.27	0.08	0.18
J	5.29	-0.18	4.77	-0.08	6.33	-0.03	-0.09	0.09
K	5.41	-0.06	4.64	-0.21	6.53	0.18	-0.03	0.15
L								
M	5.40	-0.06	4.40	-0.45	6.35	0.00	-0.17	0.17
N	5.45	-0.01	5.00	0.15	6.10	-0.25	-0.04	0.14
O								
<b>MEAN</b>	<b>5.46</b>		<b>4.85</b>		<b>6.35</b>			<b>0.26</b>
<b>STDEV</b>	<b>0.39</b>		<b>0.28</b>		<b>0.50</b>			



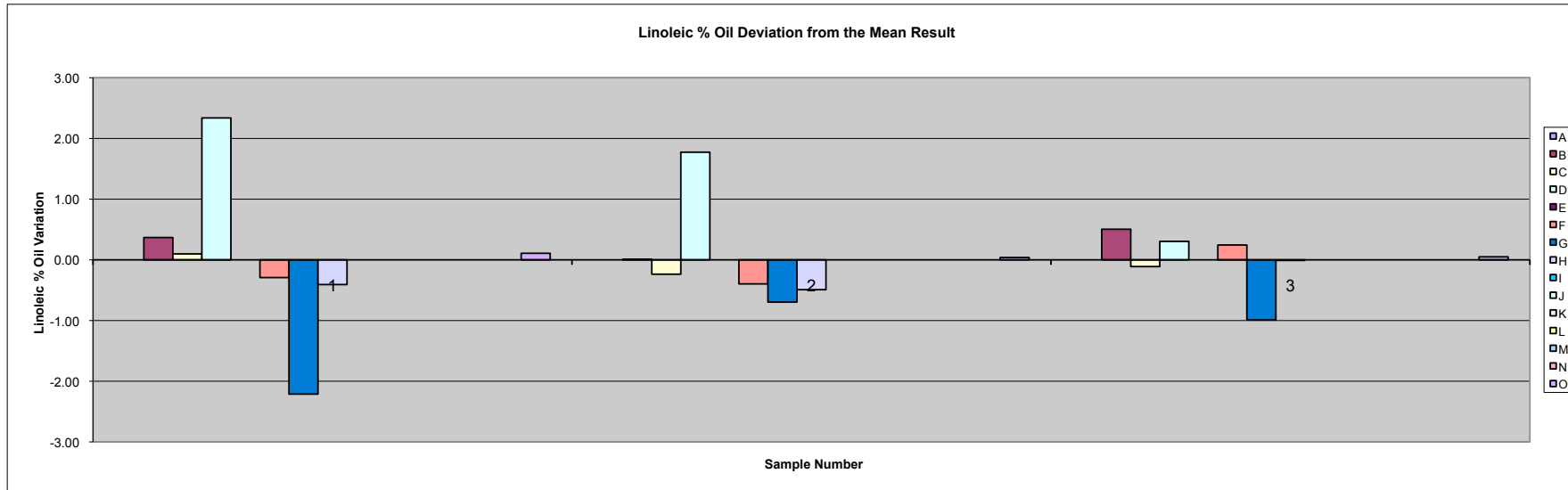
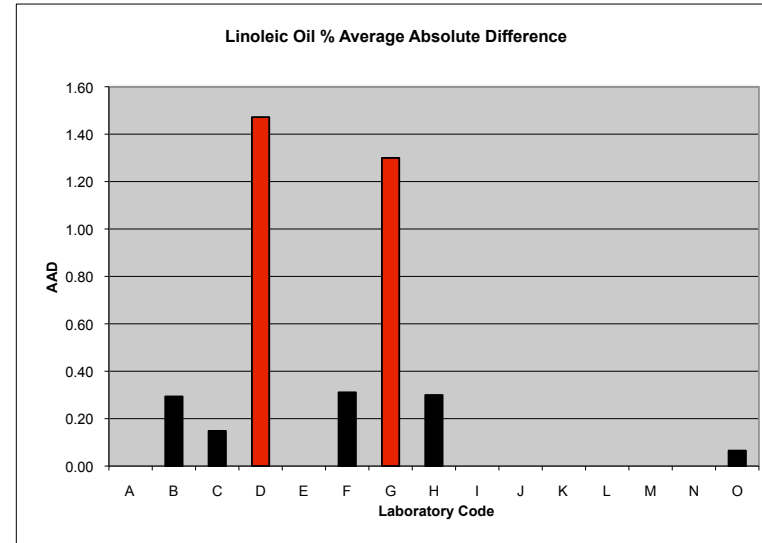
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Oleic % Oil Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	59.78	-1.31	61.45	-0.83	58.75	-2.17	-1.44	1.44
C	62.43	1.34	64.24	1.96	61.83	0.92	1.41	1.41
D	61.01	-0.08	61.55	-0.74	62.87	1.96	0.38	0.93
E								
F	61.29	0.20	62.86	0.58	60.39	-0.53	0.08	0.43
G	63.22	2.13	62.14	-0.15	60.34	-0.58	0.47	0.95
H	59.30	-1.79	61.66	-0.62	61.79	0.87	-0.52	1.10
I								
J								
K								
L								
M								
N								
O	60.60	-0.49	62.10	-0.18	60.45	-0.46	-0.38	0.38
MEAN	61.09		62.28		60.91			0.95
STDEV	1.39		0.99		1.35			



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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	21.26	0.37	19.57	0.01	22.01	0.50	0.29	0.29
C	20.99	0.10	19.33	-0.24	21.39	-0.11	-0.08	0.15
D	23.23	2.34	21.34	1.77	21.81	0.30	1.47	1.47
E								
F	20.60	-0.29	19.17	-0.40	21.75	0.24	-0.15	0.31
G	18.68	-2.21	18.87	-0.70	20.51	-0.99	-1.30	1.30
H	20.49	-0.41	19.07	-0.49	21.50	0.00	-0.30	0.30
I								
J								
K								
L								
M								
N								
O	21.00	0.11	19.60	0.04	21.55	0.05	0.07	0.07
<b>MEAN</b>	<b>20.89</b>		<b>19.56</b>		<b>21.50</b>			<b>0.56</b>
<b>STDEV</b>	<b>1.34</b>		<b>0.83</b>		<b>0.48</b>			



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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	0.14	-0.28	0.18	-0.31	0.40	-0.25	-0.28	0.28
C	0.15	-0.27	0.16	-0.34	0.21	-0.45	-0.35	0.35
D	1.13	0.71	0.48	-0.02	0.40	-0.26	0.15	0.33
E	0.44	0.02	0.90	0.41	1.26	0.61	0.34	0.34
F	0.81	0.39	1.50	1.01	1.70	1.05	0.82	0.82
G	0.32	-0.10	0.34	-0.16	0.26	-0.40	-0.22	0.22
H	0.13	-0.29	0.17	-0.32	0.45	-0.21	-0.27	0.27
I								
J								
K	0.24	-0.18	0.23	-0.26	0.56	-0.09	-0.18	0.18
L								
M								
N								
O								
<b>MEAN</b>	<b>0.42</b>		<b>0.49</b>		<b>0.65</b>			<b>0.35</b>
<b>STDEV</b>	<b>0.37</b>		<b>0.48</b>		<b>0.54</b>			

