



09/10 AOF Test Check Program Monthly Report  
 Round 3  
 February 2010  
 01/02/2010 – 26/02/2010

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## Result Receiving Dates

Lab Code	Date
H	26-Jan-10
K	04-Feb-10
M	04-Feb-10
A	09-Feb-10
E	10-Feb-10
I	10-Feb-10
J	12-Feb-10
D	18-Feb-10
N	24-Feb-10
L	25-Feb-10
B	26-Feb-10
C	26-Feb-10
G	26-Feb-10
O	02-Mar-10
F	04-Mar-10

## Discussion of Results

### ***Test Weight***

No outliers were submitted in this round of testing. Lab A generated the highest average absolute difference of 1.29.

### ***Impurities***

No outliers were submitted for Impurities this round.

### ***Oil Rapid***

The result produced by labs A and G were significantly lower than the mean. Lab A generated outliers for all three samples, recording an average absolute difference of 2.69. Lab G generated outliers for samples 1 and 2, recording an average absolute difference of 2.53. The result produced by lab G for sample 1 was particularly low recording a mean difference of -4.22.

### ***Oil Solvent***

Lab G submitted a result for sample 1 only. The result produced by the lab was particularly low recording an outlier with a mean difference of -3.05.



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

No outliers were submitted for Oil Solvent this round.

***Oil SFE***

No labs submitted results for Oil SFE this round.

***Moisture Oven***

No outliers were submitted for Moisture Oven this round. Lab J submitted the most consistent results for this method and recorded the lowest average absolute difference of 0.02.

***Moisture Rapid***

The results produced by labs A and H were significantly higher than the mean. Lab A generated outliers for samples 1 and 2, recording an average absolute difference of 0.54. Lab H generated outliers for sample 2 and 3, recording an average absolute difference of 0.46. Lab B submitted the most consistent results for this method and recorded the lowest average absolute difference of 0.04.

***Oleic Oil***

The results produced by lab F for all three samples were significantly lower than the mean, generating outliers and the highest average absolute difference of 3.27.

***Linoleic Oil***

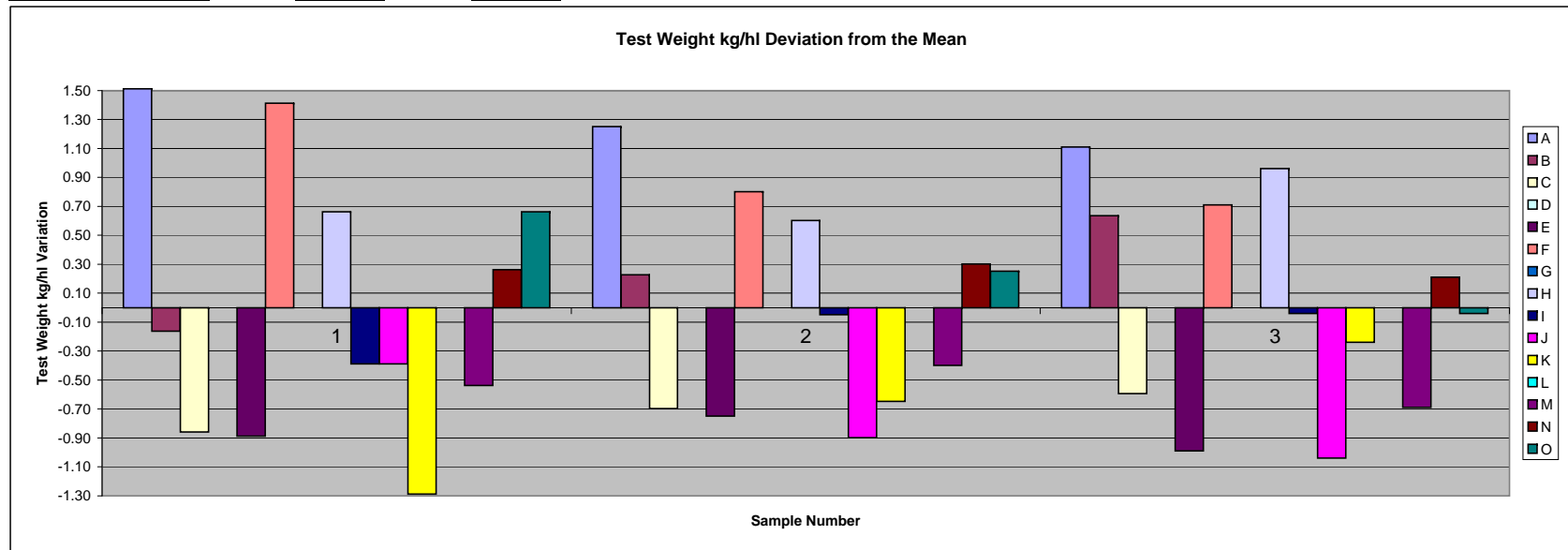
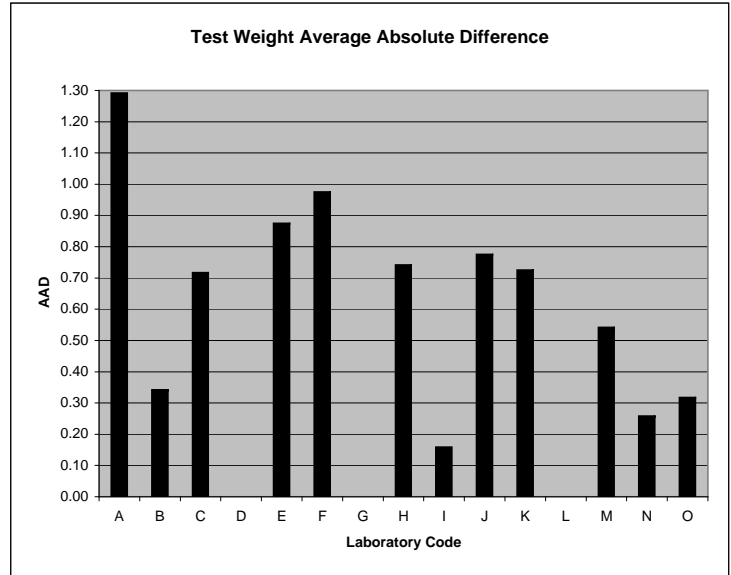
No outliers were submitted for Linoleic Oil this round.

***Free Fatty Acid***

Lab G created an outlier for sample 1 and generated the highest average absolute difference of 0.33. Lab E produced an outlier for sample 3 and lab H for sample 2. Good results were achieved by the other participating labs.

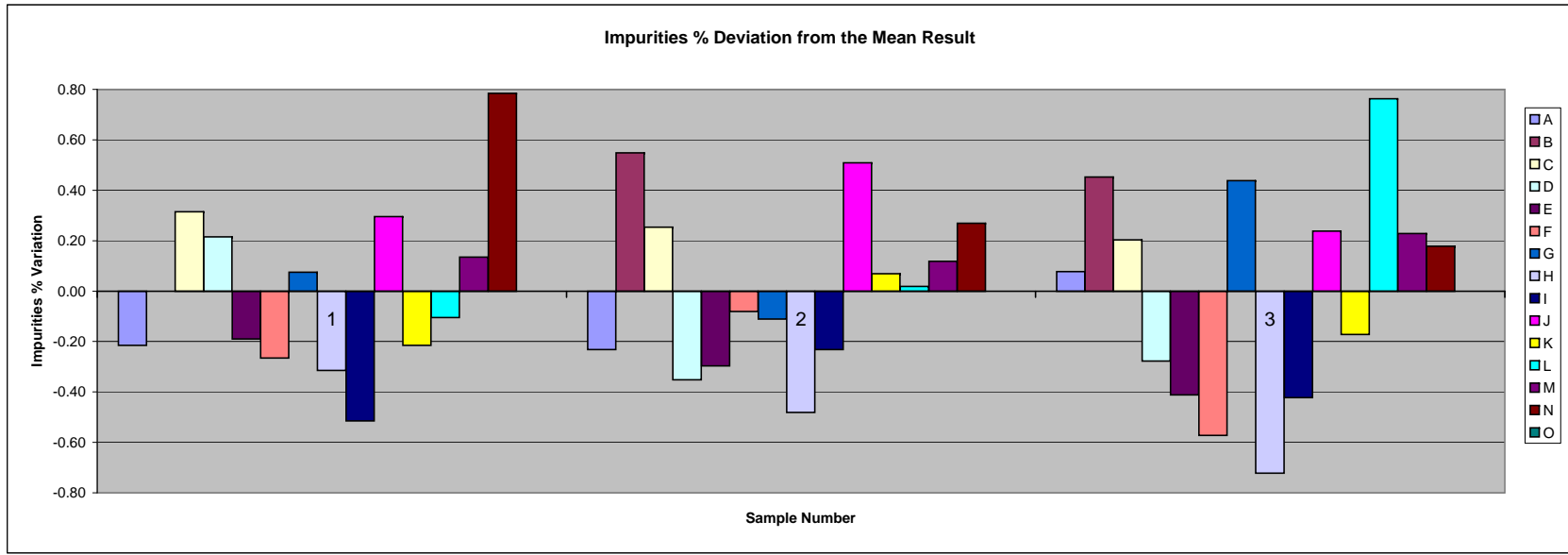
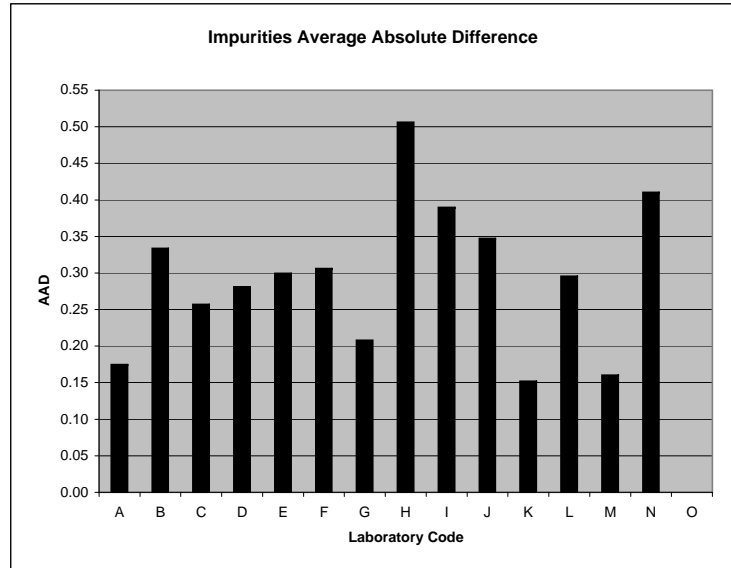
**2009/2010 AOF Test Check Program  
Round 3 Summary - February**

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	68.80	1.51	67.90	1.25	67.60	1.11	1.29	1.29
B	67.13	-0.16	66.88	0.23	67.13	0.64	0.23	0.34
C	66.43	-0.86	65.95	-0.70	65.90	-0.59	-0.72	0.72
D								
E	66.40	-0.89	65.90	-0.75	65.50	-0.99	-0.87	0.87
F	68.70	1.41	67.45	0.80	67.20	0.71	0.98	0.98
G								
H	67.95	0.66	67.25	0.60	67.45	0.96	0.74	0.74
I	66.90	-0.39	66.60	-0.05	66.45	-0.04	-0.16	0.16
J	66.90	-0.39	65.75	-0.90	65.45	-1.04	-0.77	0.77
K	66.00	-1.29	66.00	-0.65	66.25	-0.24	-0.72	0.72
L								
M	66.75	-0.54	66.25	-0.40	65.80	-0.69	-0.54	0.54
N	67.55	0.26	66.95	0.30	66.70	0.21	0.26	0.26
O	67.95	0.66	66.90	0.25	66.45	-0.04	0.29	0.32
<b>MEAN</b>	<b>67.29</b>		<b>66.65</b>		<b>66.49</b>			<b>0.64</b>
<b>STDEV</b>	<b>0.91</b>		<b>0.69</b>		<b>0.74</b>			



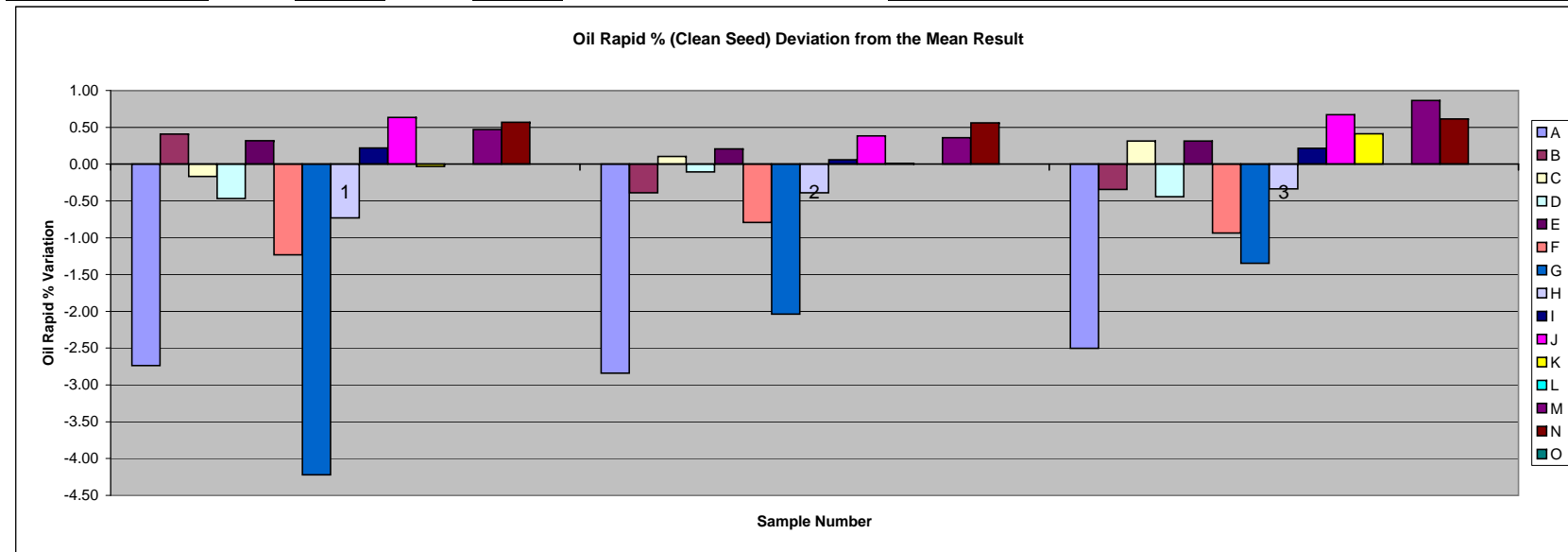
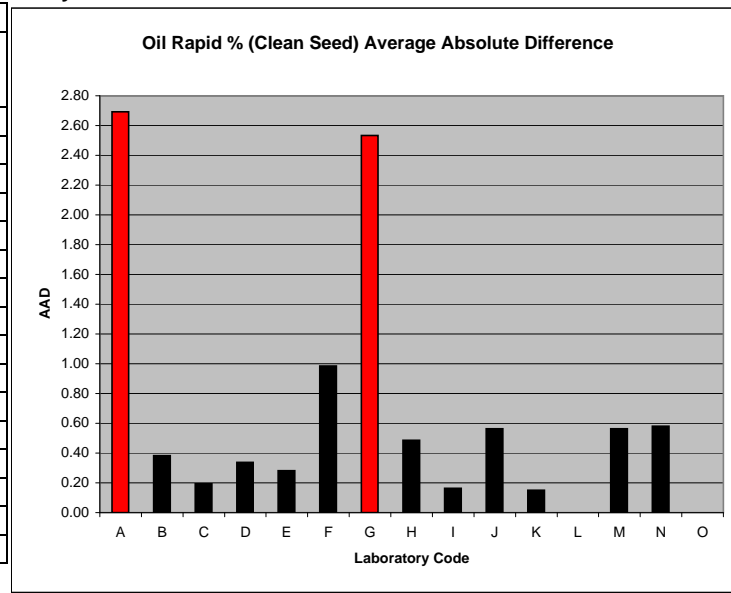
**2009/2010 AOF Test Check Program  
Round 3 Summary - February**

Impurities %								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	0.75	-0.22	0.80	-0.23	1.45	0.08	-0.12	0.17
B	0.97	0.00	1.58	0.55	1.83	0.45	0.33	0.33
C	1.28	0.32	1.29	0.25	1.58	0.20	0.26	0.26
D	1.18	0.22	0.68	-0.35	1.10	-0.28	-0.14	0.28
E	0.78	-0.19	0.74	-0.30	0.96	-0.41	-0.30	0.30
F	0.70	-0.27	0.95	-0.08	0.80	-0.57	-0.31	0.31
G	1.04	0.08	0.92	-0.11	1.81	0.44	0.13	0.21
H	0.65	-0.32	0.55	-0.48	0.65	-0.72	-0.51	0.51
I	0.45	-0.52	0.80	-0.23	0.95	-0.42	-0.39	0.39
J	1.26	0.30	1.54	0.51	1.61	0.24	0.35	0.35
K	0.75	-0.22	1.10	0.07	1.20	-0.17	-0.11	0.15
L	0.86	-0.11	1.05	0.02	2.14	0.76	0.23	0.30
M	1.10	0.14	1.15	0.12	1.60	0.23	0.16	0.16
N	1.75	0.79	1.30	0.27	1.55	0.18	0.41	0.41
O								
<b>MEAN</b>	<b>0.97</b>		<b>1.03</b>		<b>1.37</b>			<b>0.29</b>
<b>STDEV</b>	<b>0.33</b>		<b>0.31</b>		<b>0.44</b>			



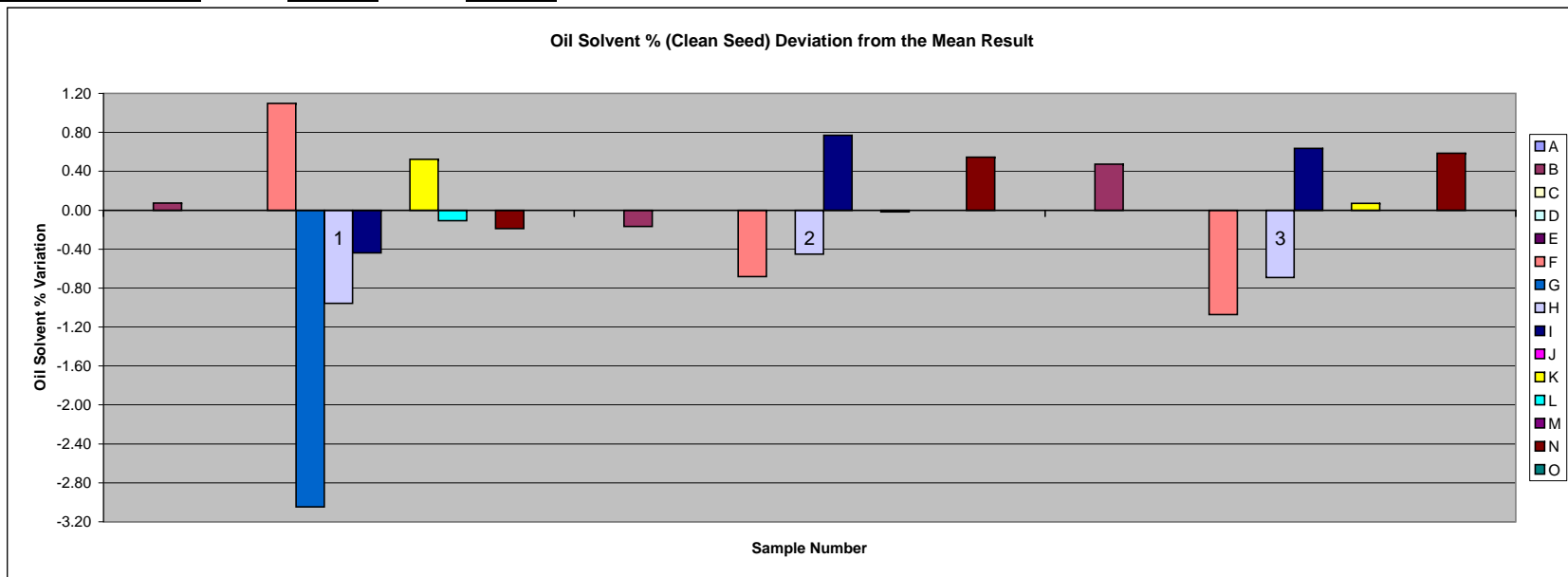
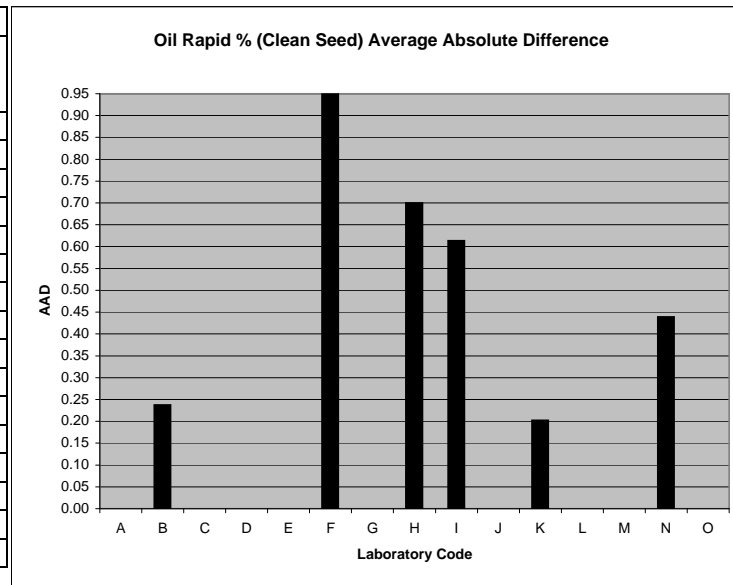
**2009/2010 AOF Test Check Program  
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Oil Rapid % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
<b>A</b>	43.60	-2.74	40.15	-2.84	38.69	-2.50	-2.69	2.69
<b>B</b>	46.74	0.41	42.60	-0.39	40.84	-0.35	-0.11	0.38
<b>C</b>	46.17	-0.17	43.10	0.10	41.50	0.31	0.08	0.19
<b>D</b>	45.87	-0.47	42.89	-0.11	40.75	-0.44	-0.34	0.34
<b>E</b>	46.65	0.32	43.20	0.21	41.50	0.31	0.28	0.28
<b>F</b>	45.10	-1.23	42.20	-0.79	40.25	-0.94	-0.99	0.99
<b>G</b>	42.11	-4.22	40.96	-2.04	39.84	-1.35	-2.53	2.53
<b>H</b>	45.60	-0.73	42.60	-0.39	40.85	-0.34	-0.49	0.49
<b>I</b>	46.55	0.22	43.05	0.06	41.40	0.21	0.16	0.16
<b>J</b>	46.97	0.63	43.38	0.38	41.86	0.67	0.56	0.56
<b>K</b>	46.30	-0.03	43.00	0.01	41.60	0.41	0.13	0.15
<b>L</b>								
<b>M</b>	46.80	0.47	43.35	0.36	42.05	0.86	0.56	0.56
<b>N</b>	46.90	0.57	43.55	0.56	41.80	0.61	0.58	0.58
<b>O</b>								
<b>MEAN</b>	<b>46.33</b>		<b>42.99</b>		<b>41.19</b>			<b>0.76</b>
<b>STDEV</b>	<b>0.60</b>		<b>0.40</b>		<b>0.68</b>			



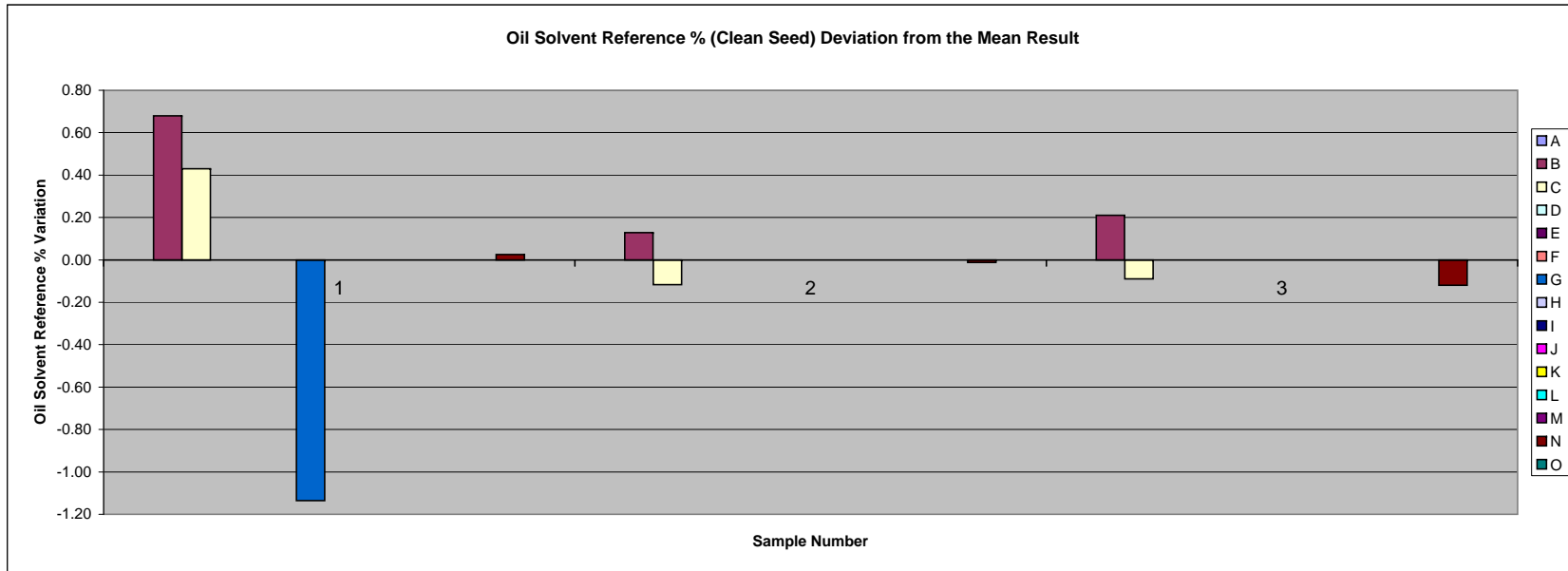
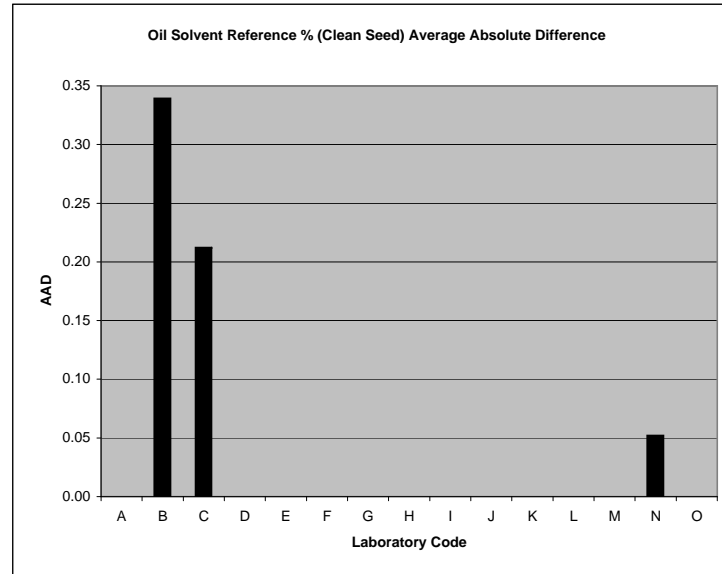
**2009/2010 AOF Test Check Program  
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Oil Solvent % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	46.73	0.07	43.19	-0.17	42.07	0.47	0.13	0.24
C								
D								
E								
F	47.76	1.10	42.67	-0.68	40.52	-1.07	-0.22	0.95
G	43.61	-3.05						
H	45.70	-0.96	42.90	-0.45	40.90	-0.69	-0.70	0.70
I	46.22	-0.44	44.12	0.77	42.23	0.63	0.32	0.61
J								
K	47.18	0.52	43.34	-0.02	41.66	0.07	0.19	0.20
L	46.55	-0.11						
M								
N	46.47	-0.19	43.90	0.54	42.18	0.58	0.31	0.44
O								
<b>MEAN</b>	<b>46.66</b>		<b>43.35</b>		<b>41.59</b>			<b>0.52</b>
<b>STDEV</b>	<b>0.66</b>		<b>0.56</b>		<b>0.72</b>			



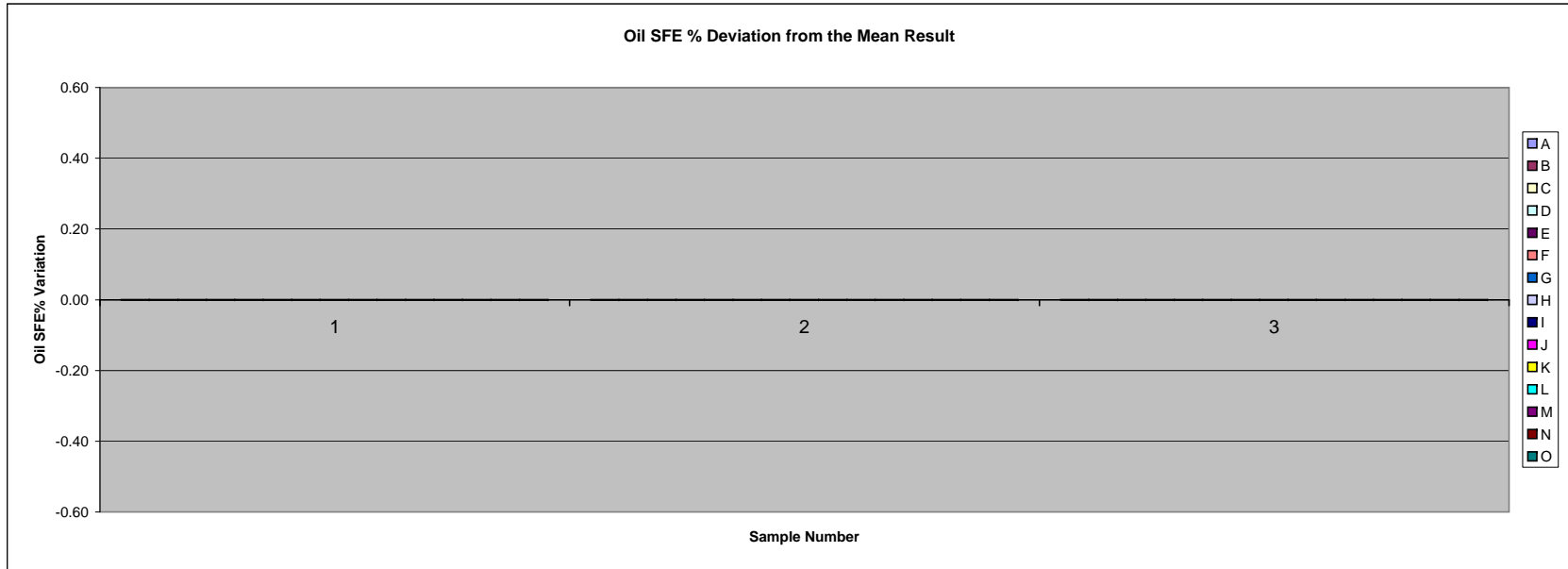
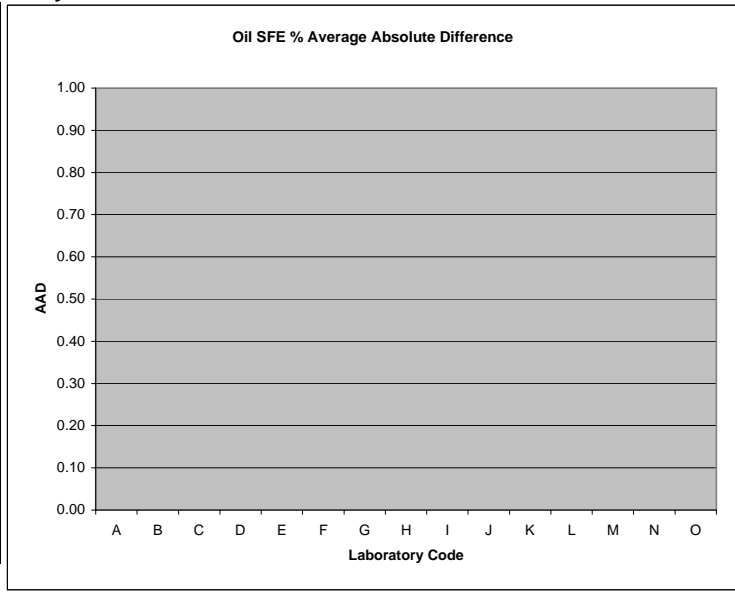
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Oil Solvent Reference % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	46.86	0.68	43.69	0.13	42.04	0.21	0.34	0.34
C	46.61	0.43	43.45	-0.12	41.74	-0.09	0.07	0.21
D								
E								
F								
G	45.04	-1.13						
H								
I								
J								
K								
L								
M								
N	46.20	0.03	43.55	-0.01	41.71	-0.12	-0.04	0.05
O								
<b>MEAN</b>	<b>46.18</b>		<b>43.56</b>		<b>41.83</b>			<b>0.20</b>
<b>STDEV</b>	<b>0.80</b>		<b>0.12</b>		<b>0.18</b>			



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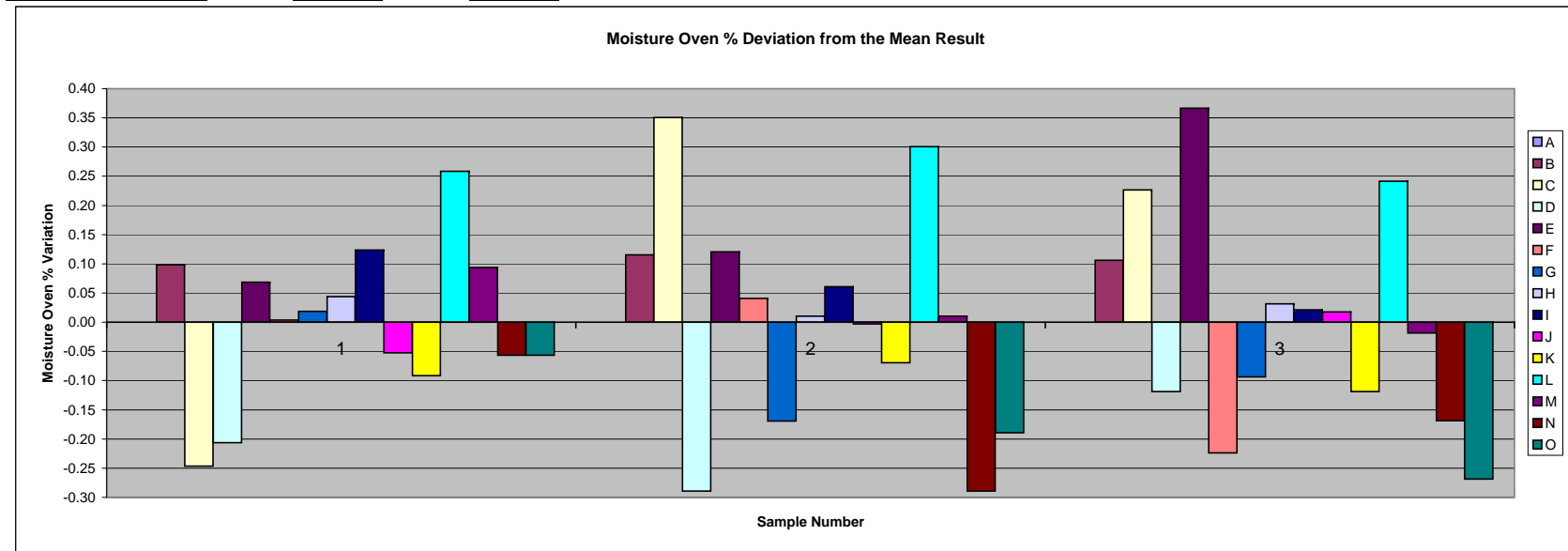
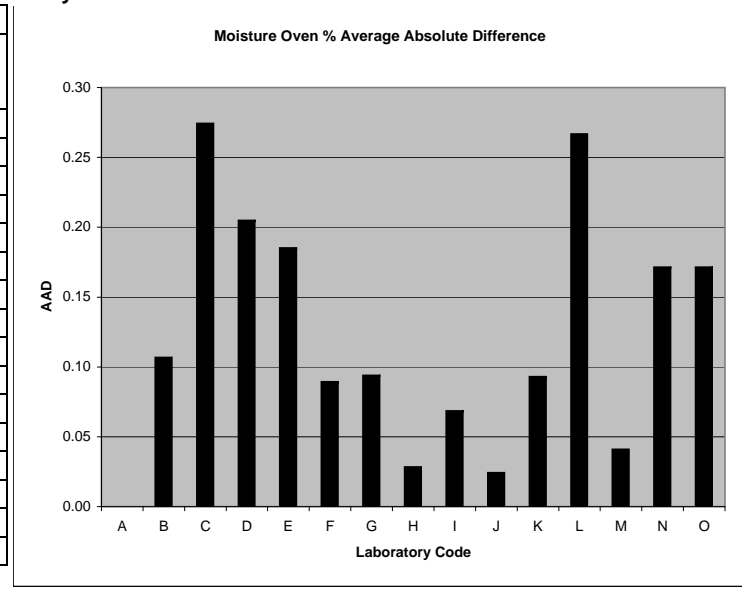
Oil SFE% Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B								
C								
D								
E								
F								
G								
H								
I								
J								
K								
L								
M								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





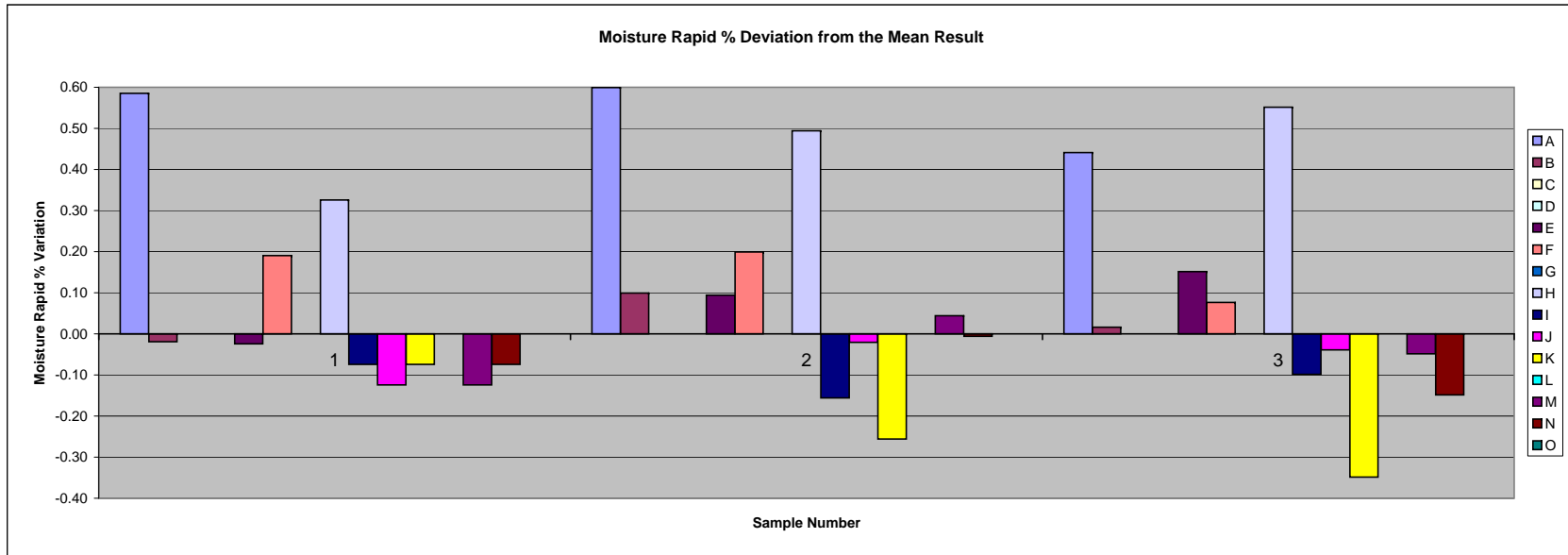
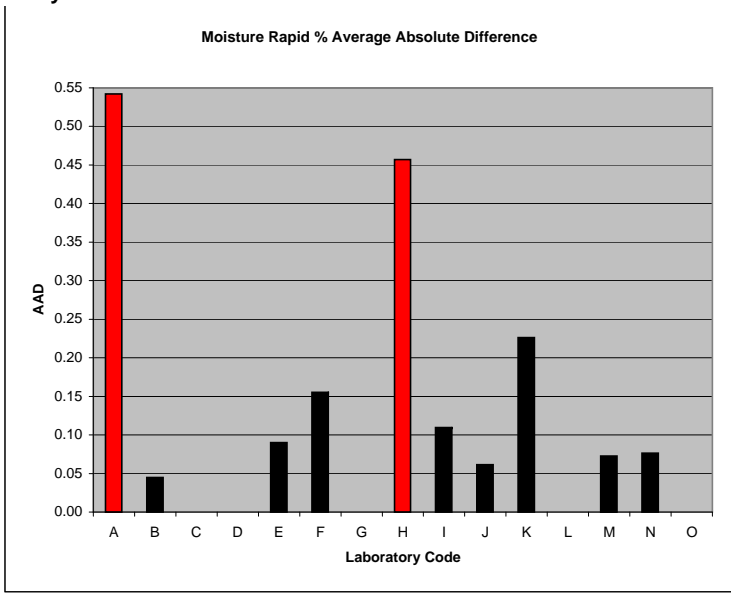
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Moisture Oven % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
<b>A</b>								
<b>B</b>	6.16	0.10	5.11	0.12	5.18	0.11	0.11	0.11
<b>C</b>	5.81	-0.25	5.34	0.35	5.30	0.23	0.11	0.27
<b>D</b>	5.85	-0.21	4.70	-0.29	4.95	-0.12	-0.20	0.20
<b>E</b>	6.13	0.07	5.11	0.12	5.44	0.37	0.19	0.19
<b>F</b>	6.06	0.00	5.03	0.04	4.85	-0.22	-0.06	0.09
<b>G</b>	6.08	0.02	4.82	-0.17	4.98	-0.09	-0.08	0.09
<b>H</b>	6.10	0.04	5.00	0.01	5.10	0.03	0.03	0.03
<b>I</b>	6.18	0.12	5.05	0.06	5.09	0.02	0.07	0.07
<b>J</b>	6.00	-0.05	4.99	0.00	5.09	0.02	-0.01	0.02
<b>K</b>	5.97	-0.09	4.92	-0.07	4.95	-0.12	-0.09	0.09
<b>L</b>	6.32	0.26	5.29	0.30	5.31	0.24	0.27	0.27
<b>M</b>	6.15	0.09	5.00	0.01	5.05	-0.02	0.03	0.04
<b>N</b>	6.00	-0.06	4.70	-0.29	4.90	-0.17	-0.17	0.17
<b>O</b>	6.00	-0.06	4.80	-0.19	4.80	-0.27	-0.17	0.17
<b>MEAN</b>	<b>6.06</b>		<b>4.99</b>		<b>5.07</b>			<b>0.13</b>
<b>STDEV</b>	<b>0.13</b>		<b>0.19</b>		<b>0.18</b>			



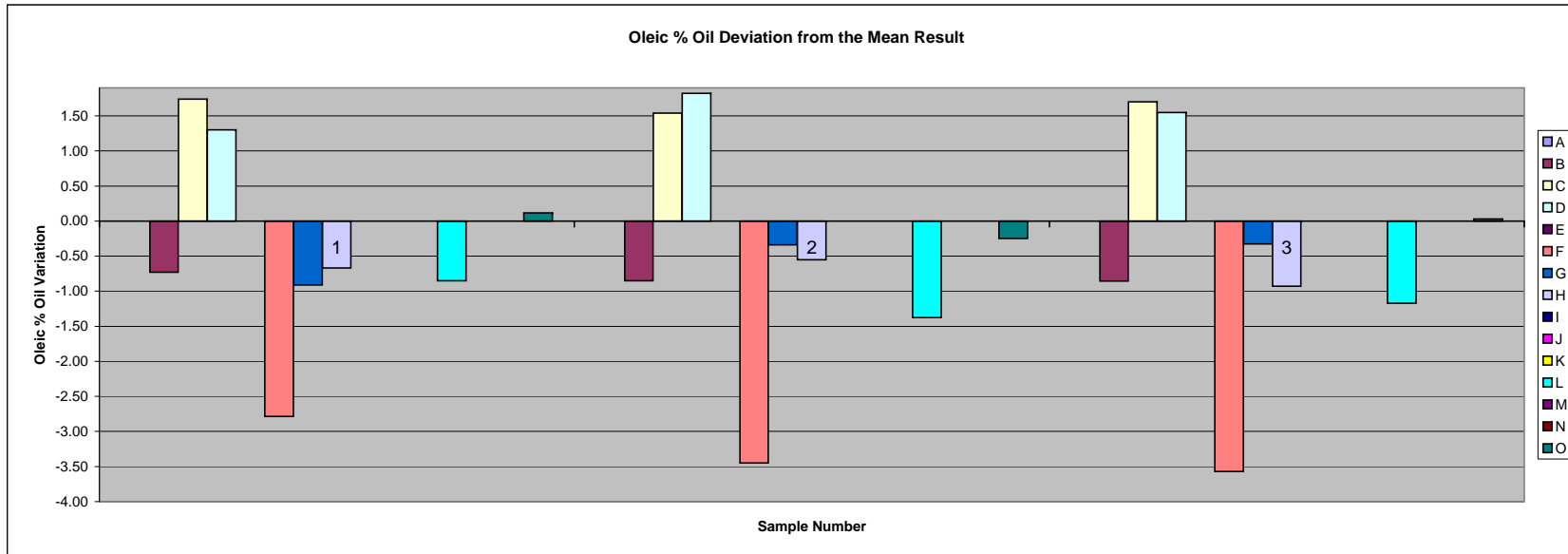
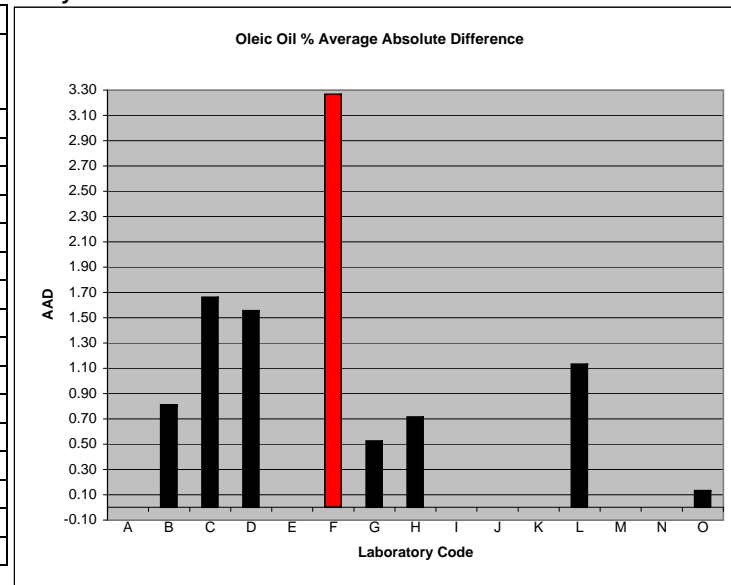
**2009/2010 AOF Test Check Program  
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Moisture Rapid % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	6.66	0.59	5.61	0.60	5.54	0.44	0.54	0.54
B	6.06	-0.02	5.11	0.10	5.12	0.02	0.03	0.04
C								
D								
E	6.05	-0.02	5.10	0.09	5.25	0.15	0.07	0.09
F	6.27	0.19	5.21	0.20	5.18	0.08	0.16	0.16
G								
H	6.40	0.33	5.50	0.49	5.65	0.55	0.46	0.46
I	6.00	-0.07	4.85	-0.16	5.00	-0.10	-0.11	0.11
J	5.95	-0.12	4.99	-0.02	5.06	-0.04	-0.06	0.06
K	6.00	-0.07	4.75	-0.26	4.75	-0.35	-0.23	0.23
L								
M	5.95	-0.12	5.05	0.04	5.05	-0.05	-0.04	0.07
N	6.00	-0.07	5.00	-0.01	4.95	-0.15	-0.08	0.08
O								
<b>MEAN</b>	<b>6.07</b>		<b>5.01</b>		<b>5.10</b>			<b>0.18</b>
<b>STDEV</b>	<b>0.15</b>		<b>0.15</b>		<b>0.22</b>			



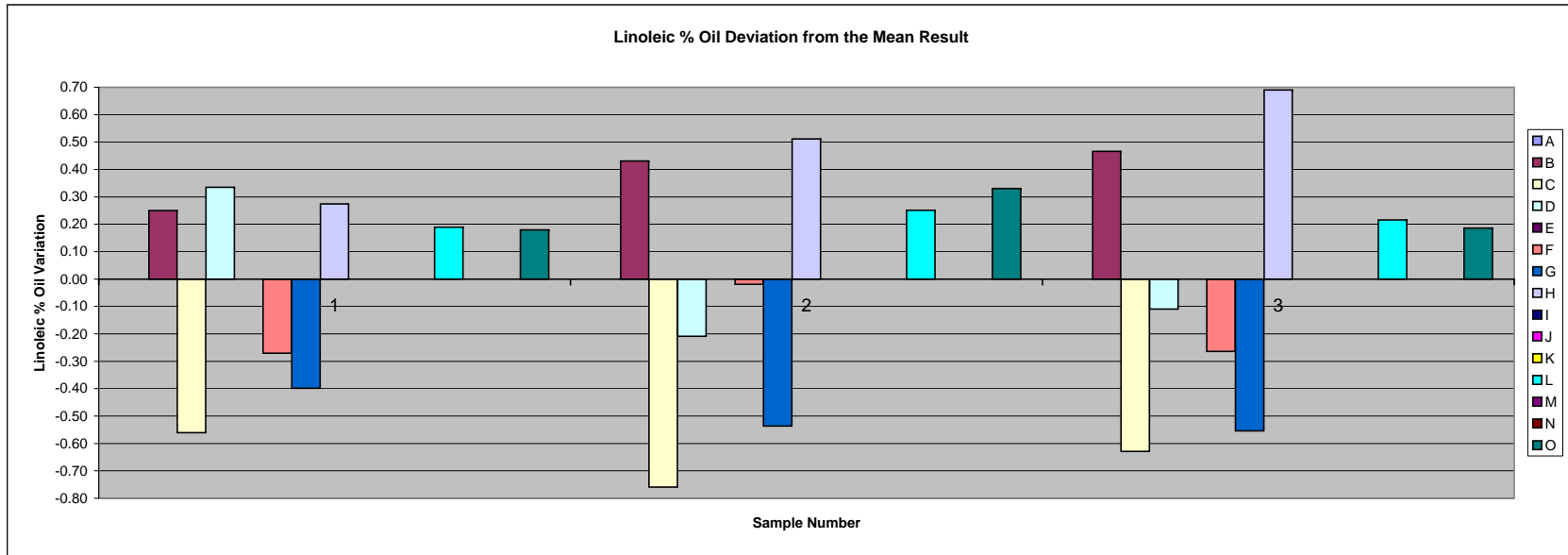
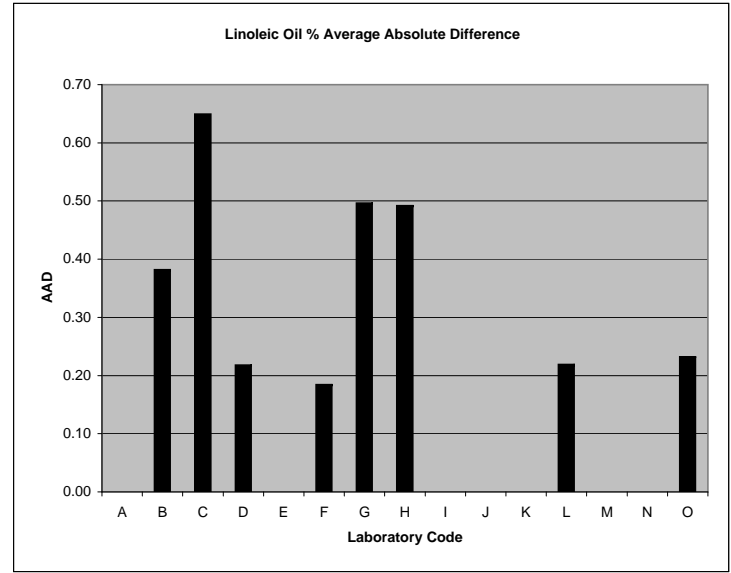
**2009/2010 AOF Test Check Program  
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Oleic % Oil Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	61.11	-0.73	62.10	-0.85	62.42	-0.85	-0.81	0.81
C	63.58	1.74	64.49	1.54	64.97	1.70	1.66	1.66
D	63.14	1.30	64.77	1.82	64.82	1.55	1.56	1.56
E								
F	59.05	-2.78	59.50	-3.45	59.70	-3.57	-3.27	3.27
G	60.92	-0.91	62.61	-0.34	62.94	-0.32	-0.52	0.52
H	61.17	-0.67	62.40	-0.55	62.34	-0.93	-0.72	0.72
I								
J								
K								
L	60.99	-0.85	61.58	-1.37	62.10	-1.17	-1.13	1.13
M								
N								
O	61.95	0.12	62.70	-0.25	63.30	0.03	-0.03	0.13
<b>MEAN</b>	<b>61.83</b>		<b>62.95</b>		<b>63.27</b>			<b>1.22</b>
<b>STDEV</b>	<b>1.10</b>		<b>1.21</b>		<b>1.18</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	20.27	0.25	18.70	0.43	19.38	0.47	0.38	0.38
C	19.46	-0.56	17.51	-0.76	18.29	-0.63	-0.65	0.65
D	20.36	0.33	18.06	-0.21	18.81	-0.11	0.01	0.22
E								
F	19.75	-0.27	18.25	-0.02	18.65	-0.26	-0.18	0.18
G	19.62	-0.40	17.73	-0.54	18.36	-0.55	-0.50	0.50
H	20.30	0.27	18.78	0.51	19.61	0.69	0.49	0.49
I								
J								
K								
L	20.21	0.19	18.52	0.25	19.13	0.22	0.22	0.22
M								
N								
O	20.20	0.18	18.60	0.33	19.10	0.19	0.23	0.23
<b>MEAN</b>	<b>20.02</b>		<b>18.27</b>		<b>18.91</b>			<b>0.36</b>
<b>STDEV</b>	<b>0.35</b>		<b>0.47</b>		<b>0.47</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	-0.03	0.23	-0.11	0.27	-0.08	-0.07	0.07
C	0.12	-0.05	0.35	0.01				
D	0.24	0.06	0.39	0.06	0.46	0.11	0.08	0.08
E	0.18	0.01	0.37	0.03	0.85	0.50	0.18	0.18
F	0.18	0.00	0.29	-0.05	0.37	0.02	-0.01	0.02
G	1.00	0.83	0.40	0.06	0.45	0.11	0.33	0.33
H	0.12	-0.05	0.16	-0.17	0.20	-0.14	-0.12	0.12
I								
J								
K	0.16	-0.01	0.32	-0.02	0.32	-0.02	-0.02	0.02
L	0.26	0.08	0.34	0.00	0.35	0.00	0.03	0.03
M								
N								
O								
MEAN	0.17		0.33		0.34			0.11
STDEV	0.05		0.06		0.09			

