



**2013 AOF Test Check Program  
Monthly Report  
Round 11  
November - 2013  
01/11/2013 – 01/12/2013**

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**Result Receival Dates**

<b>Lab Code</b>	<b>Date</b>
<b>A</b>	07/11/2013
<b>B</b>	11/11/2013
<b>C</b>	01/12/2013
<b>D</b>	15/11/2013
<b>E</b>	19/11/2013
<b>F</b>	01/12/2013
<b>G</b>	12/11/2013
<b>H</b>	29/11/2013
<b>I</b>	08/11/2013
<b>J</b>	27/11/2013
<b>K</b>	01/12/2013
<b>L</b>	19/11/2013
<b>M</b>	12/11/2013
<b>N</b>	15/11/2013
<b>O</b>	06/11/2013

**Discussion of Results**

***Test Weight***

Sample 1 – No outliers were observed.

Sample 2 – No outliers were observed.

Sample 3 – One outlier was identified for Lab **A** with 1.30 kg/hl discrepancy from the lower quartile limit (64.80kg/hl).

***Impurities***

Sample 1 – Outliers were identified for Lab **C** and **I**. Lab **C** results were 0.10 of a percent discrepancy from the upper quartile limit (2.53%). Lab **I** results were 0.40 of a percent discrepancy from the lower quartile limit (1.05%).

Sample 2 – No outliers were observed.

Sample 3 – No outliers were observed.



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***Oil Rapid***

- Sample 1 – One outlier was identified for Lab **D** with a 0.33 of a percent discrepancy from the upper quartile limit (49.58%).
- Sample 2 – Outliers were identified for Lab **D** and **H**. Lab D results were 1.10 of a percent discrepancy from the upper quartile limit (47.16%). Lab H results were 0.13 of a percent discrepancy from the lower quartile limit (45.24%).
- Sample 3 – One outlier was identified for Lab **D** with a 0.04 of a percent discrepancy from the upper quartile limit (43.79%).

***Oil Solvent Extraction***

No Outliers were identified for this test method.

***Moisture Oven***

- Sample 1 – Outliers were identified for Lab **D**, **F** and **G**. Lab D results were 0.01 of a percent discrepancy from the upper quartile limit (5.04%). Lab F and G results were 0.06 and 0.31 of a percent discrepancy, respectively, from the lower quartile limit (4.66%).
- Sample 2 – Outliers were identified for Lab **D**, **F** and **G**. Lab D results were 0.42 of a percent discrepancy from the upper quartile limit (6.13%). Lab F and G results were 0.16 and 0.13 of a percent discrepancy, respectively, from the lower quartile limit (5.52%).
- Sample 3 – Outliers were identified for Lab **D** and **F**. Lab D results were 0.01 of a percent discrepancy from the upper quartile limit (7.49%). Lab F results were 0.08 of a percent discrepancy from the lower quartile limit (6.41%).

***Moisture Rapid***

- Sample 1 – No outliers were observed
- Sample 2 – Outliers were identified for Lab **E**, **F** and **I**. Lab E results were 0.49 of a percent discrepancy from the upper quartile limit (6.71%). Lab F and G results were 0.06 and 0.03 of a percent discrepancy, respectively, from the lower quartile limit (6.01%).
- Sample 3 – One outlier was identified for Lab **K** with a 0.06 of a percent discrepancy from the lower quartile limit (6.78%).



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***Oleic Oil***

No outliers were identified for this test method.

***Linoleic Oil***

Sample 1 – No outliers were observed.

Sample 2 – One outlier was identified for Lab **G** with a 0.34 of a percent discrepancy from the lower quartile limit (19.79%).

Sample 3 – No outliers were observed.

***Free Fatty Acid***

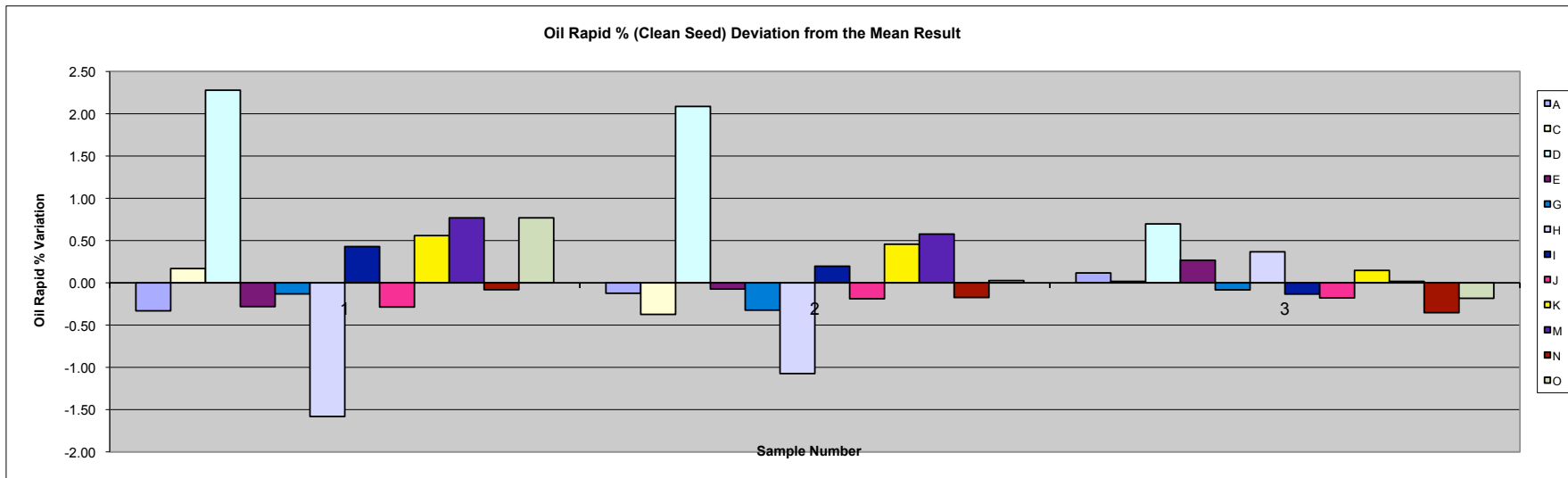
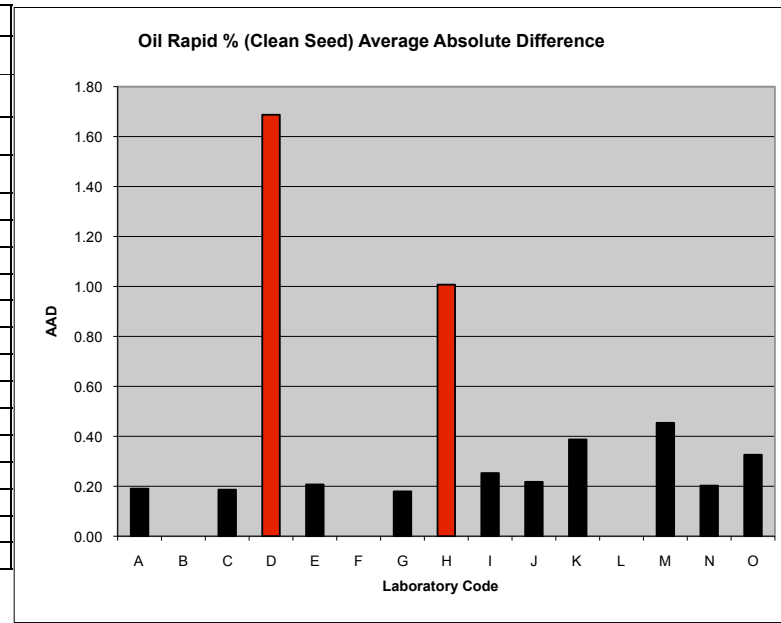
Sample 1 – One outlier was identified for Lab **E** with a 0.23 of a percent discrepancy from the upper quartile limit (0.55%).

Sample 2 – One outlier was identified for Lab **E** with a 0.09 of a percent discrepancy from the upper quartile limit (0.86%).

Sample 3 – One outlier was identified for Lab **E** with a 0.14 of a percent discrepancy from the upper quartile limit (0.44%).

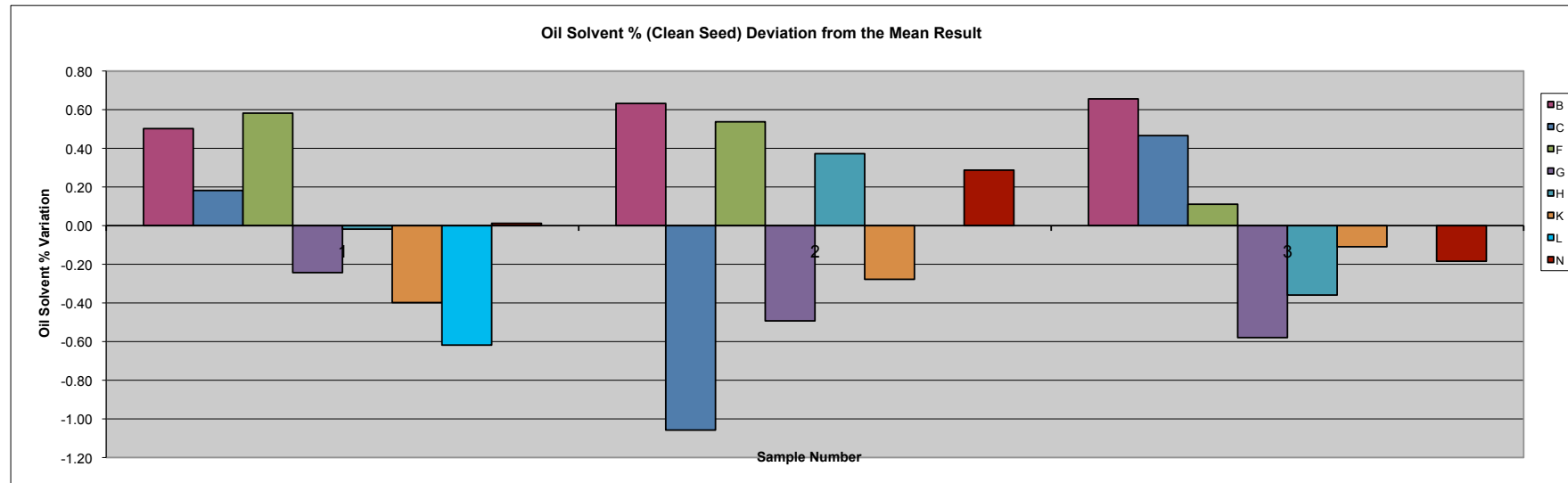
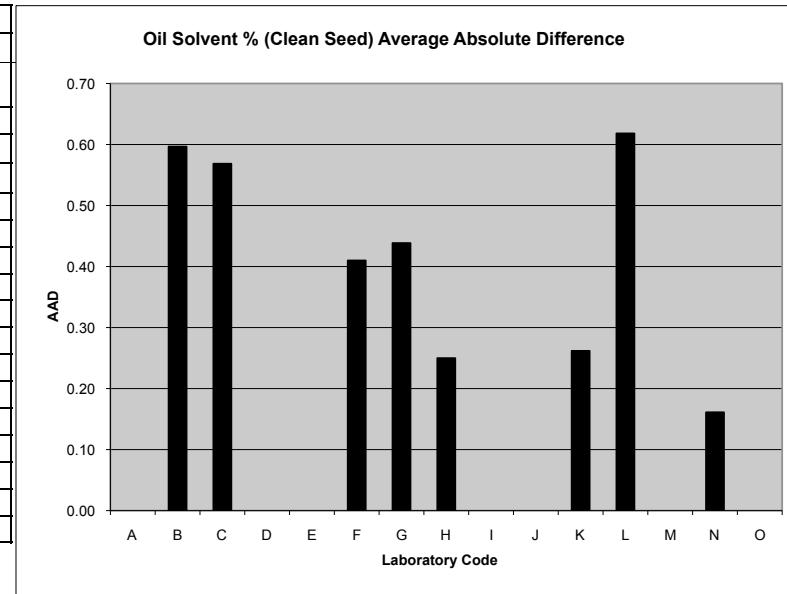
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Oil Rapid % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	47.30	-0.33	46.05	-0.12	43.25	0.12	-0.11	0.19
B								
C	47.80	0.17	45.80	-0.37	43.15	0.02	-0.06	0.19
D	49.91	2.28	48.26	2.09	43.83	0.70	1.69	1.69
E	47.35	-0.28	46.10	-0.07	43.40	0.27	-0.03	0.21
F								
G	47.50	-0.13	45.85	-0.32	43.05	-0.08	-0.18	0.18
H	46.05	-1.58	45.10	-1.07	43.50	0.37	-0.76	1.01
I	48.06	0.43	46.37	0.20	43.00	-0.13	0.16	0.25
J	47.35	-0.29	45.99	-0.19	42.96	-0.18	-0.22	0.22
K	48.19	0.56	46.63	0.46	43.28	0.15	0.39	0.39
L								
M	48.40	0.77	46.75	0.58	43.15	0.02	0.45	0.45
N	47.55	-0.08	46.00	-0.17	42.78	-0.35	-0.20	0.20
O	48.40	0.77	46.20	0.03	42.95	-0.18	0.20	0.33
<b>MEAN</b>	<b>47.63</b>		<b>46.17</b>		<b>43.13</b>			<b>0.45</b>
<b>STDEV</b>	<b>0.67</b>		<b>0.32</b>		<b>0.21</b>			



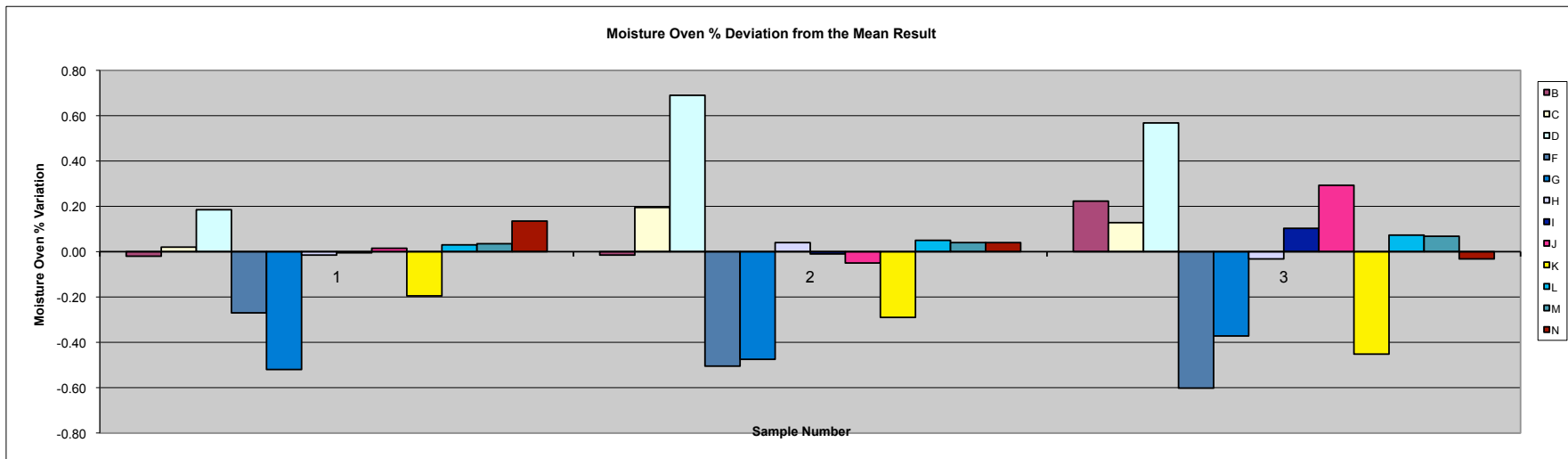
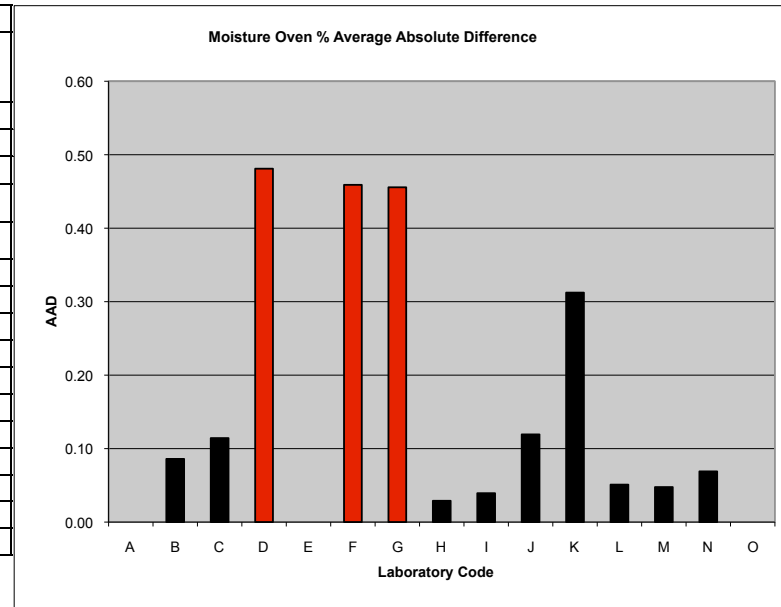
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Oil Solvent % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	48.62	0.50	47.46	0.63	43.47	0.66	0.60	0.60
C	48.30	0.18	45.77	-1.06	43.28	0.47	-0.14	0.57
D								
E								
F	48.70	0.58	47.37	0.54	42.92	0.11	0.41	0.41
G	47.88	-0.24	46.34	-0.49	42.23	-0.58	-0.44	0.44
H	48.10	-0.02	47.20	0.37	42.45	-0.36	0.00	0.25
I								
J								
K	47.72	-0.40	46.55	-0.28	42.70	-0.11	-0.26	0.26
L	47.50	-0.62					-0.62	0.62
M								
N	48.13	0.01	47.12	0.29	42.63	-0.18	0.04	0.16
O								
<b>MEAN</b>	<b>48.12</b>		<b>46.83</b>		<b>42.81</b>			<b>0.41</b>
<b>STDEV</b>	<b>0.42</b>		<b>0.63</b>		<b>0.44</b>			



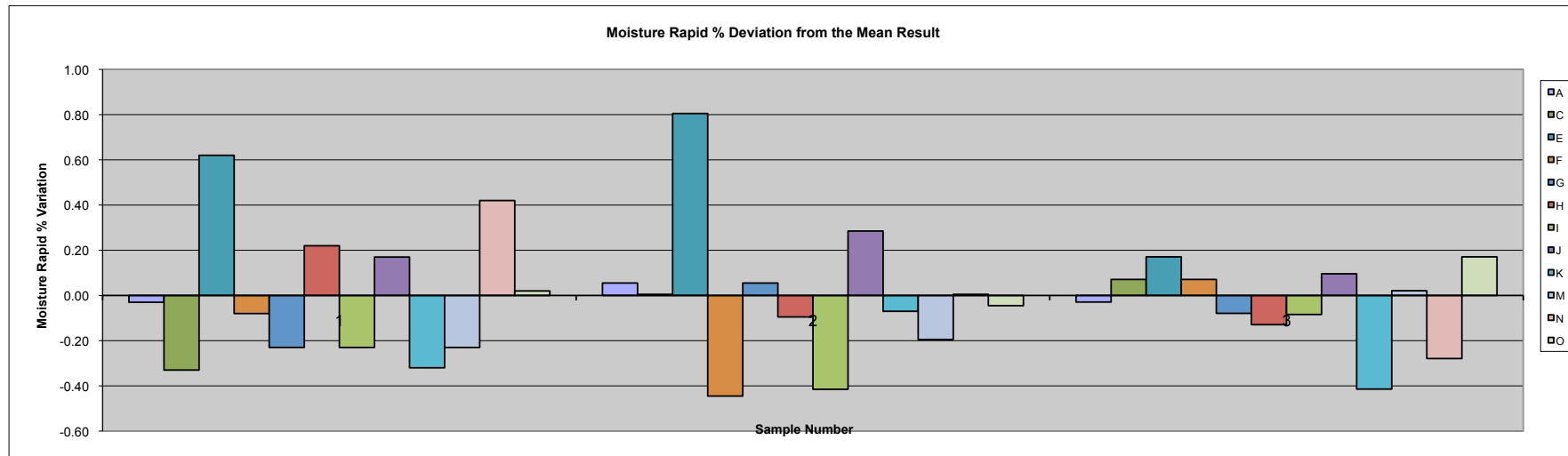
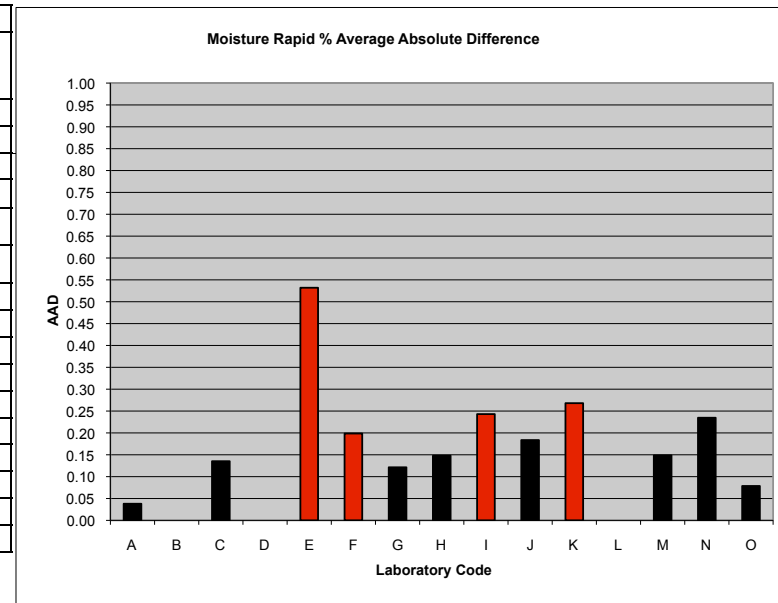
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Moisture Oven % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	4.85	-0.02	5.85	-0.01	7.16	0.22	0.06	0.09
C	4.89	0.02	6.06	0.19	7.06	0.13	0.11	0.11
D	5.05	0.19	6.55	0.69	7.50	0.57	0.48	0.48
E								
F	4.60	-0.27	5.36	-0.51	6.33	-0.60	-0.46	0.46
G	4.35	-0.52	5.39	-0.48	6.56	-0.37	-0.46	0.46
H	4.85	-0.01	5.90	0.04	6.90	-0.03	0.00	0.03
I	4.86	0.00	5.85	-0.01	7.04	0.10	0.03	0.04
J	4.88	0.02	5.81	-0.05	7.23	0.29	0.09	0.12
K	4.67	-0.19	5.57	-0.29	6.48	-0.45	-0.31	0.31
L	4.90	0.03	5.91	0.05	7.01	0.07	0.05	0.05
M	4.90	0.04	5.90	0.04	7.00	0.07	0.05	0.05
N	5.00	0.14	5.90	0.04	6.90	-0.03	0.05	0.07
O								
MEAN	4.87		5.86		6.93			0.19
STDEV	0.09		0.13		0.24			



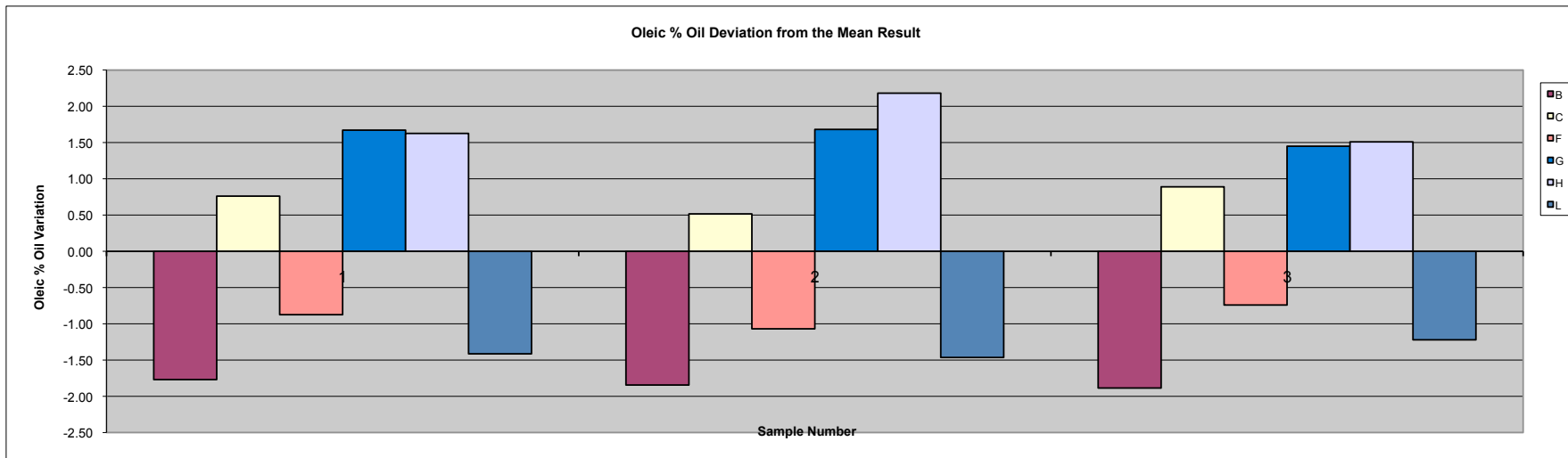
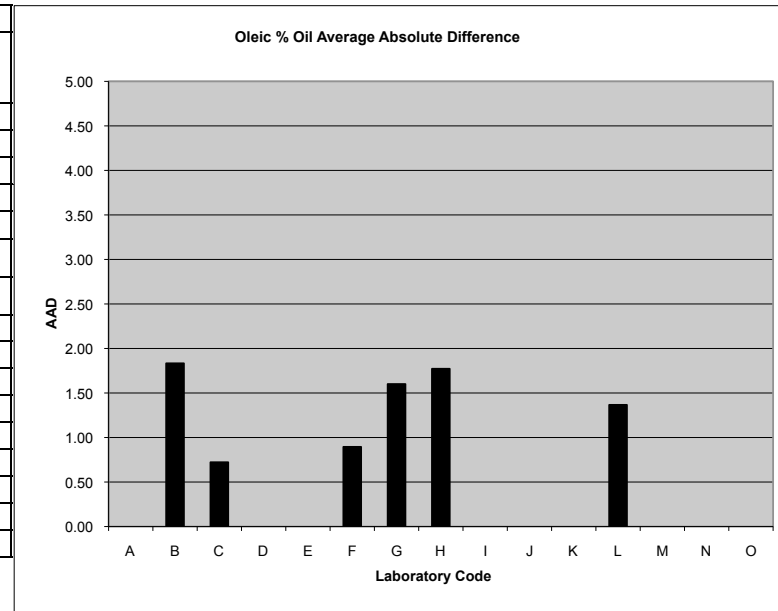
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Moisture Rapid % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	5.00	-0.03	6.45	0.06	7.10	-0.03	0.00	0.04
B								
C	4.70	-0.33	6.40	0.01	7.20	0.07	-0.08	0.14
D								
E	5.65	0.62	7.20	0.81	7.30	0.17	0.53	0.53
F	4.95	-0.08	5.95	-0.44	7.20	0.07	-0.15	0.20
G	4.80	-0.23	6.45	0.06	7.05	-0.08	-0.08	0.12
H	5.25	0.22	6.30	-0.09	7.00	-0.13	0.00	0.15
I	4.80	-0.23	5.98	-0.41	7.05	-0.08	-0.24	0.24
J	5.20	0.17	6.68	0.29	7.23	0.10	0.18	0.18
K	4.71	-0.32	6.33	-0.07	6.72	-0.41	-0.27	0.27
L								
M	4.80	-0.23	6.20	-0.20	7.15	0.02	-0.13	0.15
N	5.45	0.42	6.40	0.01	6.85	-0.28	0.05	0.23
O	5.05	0.02	6.35	-0.04	7.30	0.17	0.05	0.08
<b>MEAN</b>	<b>5.03</b>		<b>6.40</b>		<b>7.13</b>			<b>0.19</b>
<b>STDEV</b>	<b>0.30</b>		<b>0.13</b>		<b>0.14</b>			



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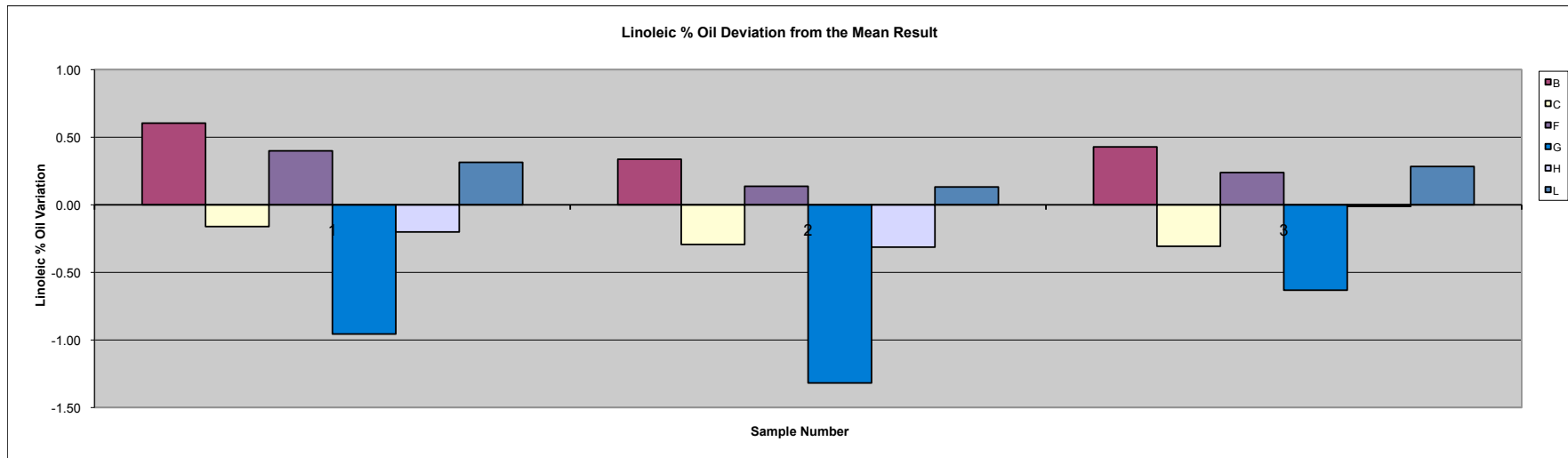
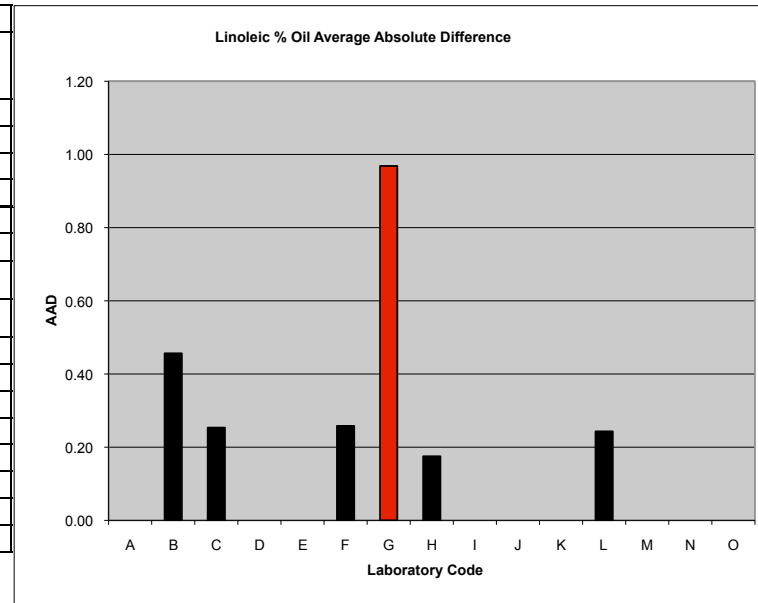
Oleic % Oil Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	62.86	-1.77	61.68	-1.84	68.76	-1.89	-1.83	1.83
C	65.39	0.76	64.04	0.52	71.53	0.89	0.72	0.72
D								
E								
F	63.75	-0.87	62.45	-1.07	69.90	-0.74	-0.89	0.89
G	66.30	1.67	65.20	1.68	72.09	1.45	1.60	1.60
H	66.25	1.63	65.70	2.18	72.15	1.51	1.77	1.77
I								
J								
K								
L	63.21	-1.41	62.06	-1.46	69.42	-1.22	-1.37	1.37
M								
N								
O								
<b>MEAN</b>	<b>64.62</b>		<b>63.52</b>		<b>70.64</b>			<b>1.36</b>
<b>STDEV</b>	<b>1.54</b>		<b>1.71</b>		<b>1.47</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	20.36	0.60	21.10	0.34	13.59	0.43	0.46	0.46
C	19.59	-0.16	20.47	-0.29	12.86	-0.31	-0.25	0.25
D								
E								
F	20.15	0.40	20.90	0.14	13.40	0.24	0.26	0.26
G	18.80	-0.96	19.45	-1.32	12.53	-0.63	-0.97	0.97
H	19.55	-0.20	20.45	-0.31	13.15	-0.01	-0.18	0.18
I								
J								
K								
L	20.07	0.31	20.90	0.13	13.45	0.28	0.24	0.24
M								
N								
O								
<b>MEAN</b>	<b>19.75</b>		<b>20.76</b>		<b>13.16</b>			<b>0.39</b>
<b>STDEV</b>	<b>0.57</b>		<b>0.29</b>		<b>0.40</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	0.17	-0.06	0.39	-0.06	0.12	-0.07	-0.06	0.06
C	0.14	-0.09	0.24	-0.21	0.16	-0.02	-0.11	0.11
D								
E	0.78	0.55	0.95	0.50	0.58	0.40	0.49	0.49
F	0.21	-0.02	0.44	-0.01	0.14	-0.04	-0.02	0.02
G	0.39	0.16	0.61	0.16	0.29	0.11	0.14	0.14
H	0.20	-0.03	0.35	-0.10	0.18	0.00	-0.04	0.04
I								
J								
K	0.19	-0.04	0.53	0.08	0.14	-0.04	0.00	0.05
L	0.31	0.08	0.56	0.11	0.25	0.06	0.09	0.09
M								
N								
O								
MEAN	0.23		0.45		0.18			0.12
STDEV	0.09		0.13		0.06			

