



**2013 AOF Test Check Program  
Monthly Report  
Round 6  
June 2013**

01/06/2013 – 01/07/2013

Result Reveal Dates

Lab Code	Date (DD-MM-YYYY)
A	17/06/2013
B	27/06/2013
C	11/06/2013
D	08/07/2013
E	18/06/2013
F	28/06/2013
G	28/06/2013
H	08/07/2013
I	11/06/2013
J	28/06/2013
K	25/06/2013
L	-
M	11/06/2013
N	15/06/2013
O	07/06/2013

Discussion of Results

**Test Weight**

Sample 1 – One outlier was identified for Lab **I** with a 0.33 percent discrepancy from the lower quartile limit (66.53%).

Sample 2 – Outliers were identified for Lab **I** and **M** with results of 0.43 and 0.23 of a percent discrepancy, respectively, from the lower quartile limit (63.58%).

Sample 3 – No outliers were observed.

**Impurities**

Sample 1 – No outliers were observed.

Sample 2 – Outliers were identified for Lab **F** and **G** with both results at 0.03 percent discrepancy from the upper quartile limit (1.37%).

Sample 3 – One outlier was identified for Lab **H** with a 0.01 percent discrepancy from the lower quartile limit (0.31%).



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***Oil Rapid***

Sample 1 – One outlier was identified for Lab **D** with a 0.34 percent discrepancy from the upper quartile limit (43.20%).

Sample 2 – No outliers were observed.

Sample 3 – Outliers were identified for Lab **D, K, N** and **O**. Lab D, N and O results were 0.75, 0.45 and 0.90 of a percent discrepancy, respectively, from the upper quartile limit (45.70%). Lab K results were 0.91 of a percent discrepancy from the lower quartile limit (44.90%).

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

No outliers were identified for this test method.

***FOSFA Extraction (AOCS Method Am 2-93)***

Sample 1 – No outliers were observed.

Sample 2 – One outlier was identified for Lab **G** with a 0.23 percent discrepancy from the lower quartile limit (40.23%).

Sample 3 – No outliers were observed.

***Moisture Oven***

Sample 1 – Outliers were identified for Lab **B** and **E**. Lab B results were 0.02 of a percent discrepancy from the lower quartile limit (4.33%). Lab E results were 0.05 of a percent discrepancy from the upper quartile limit (5.28%).

Sample 2 – One outlier was identified for Lab **D** with a 0.13 percent discrepancy from the upper quartile limit (6.97%).

Sample 3 – One outlier was identified for Lab **D** with a 0.95 percent discrepancy from the upper quartile limit (7.00%).

***Moisture Rapid***

Sample 1 – No outliers were observed.

Sample 2 – One outlier was identified for Lab **K** with a 0.06 of a percent discrepancy from the lower quartile limit (5.71%).

Sample 3 – No outliers were observed.



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***Oleic Oil***

Sample 1 – No outliers were observed.

Sample 2 – One outlier was identified for Lab B with a 0.98 of a percent discrepancy from the lower quartile limit (56.93%).

Sample 3 – One outlier was identified for Lab B with a 0.63 of a percent discrepancy from the lower quartile limit (60.29%).

***Linoleic Oil***

Sample 1 – No outliers were observed.

Sample 2 – One outlier was identified for Lab G with a 0.39 of a percent discrepancy from the lower quartile limit (20.93%).

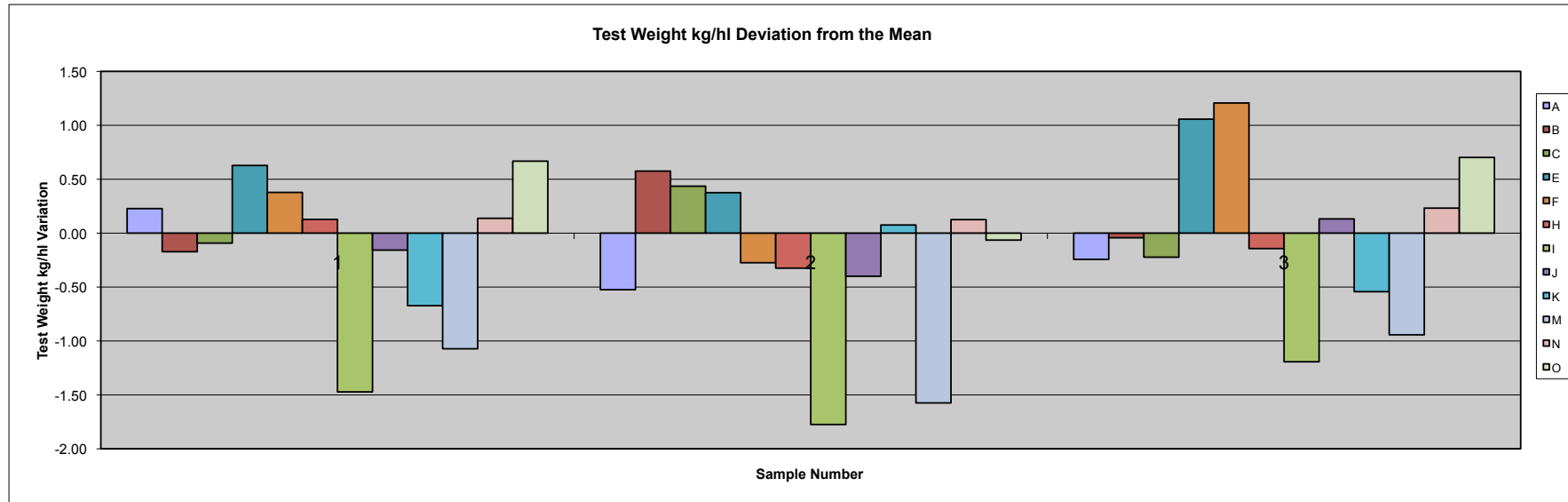
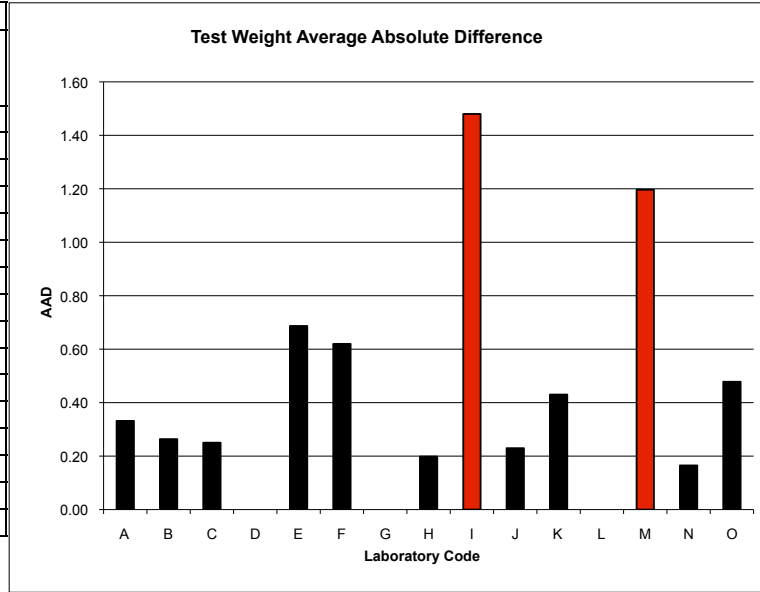
Sample 3 – One outlier was identified for Lab G with a 0.30 of a percent discrepancy from the lower quartile limit (19.26%).

***Free Fatty Acid***

No outliers were identified for this test method.

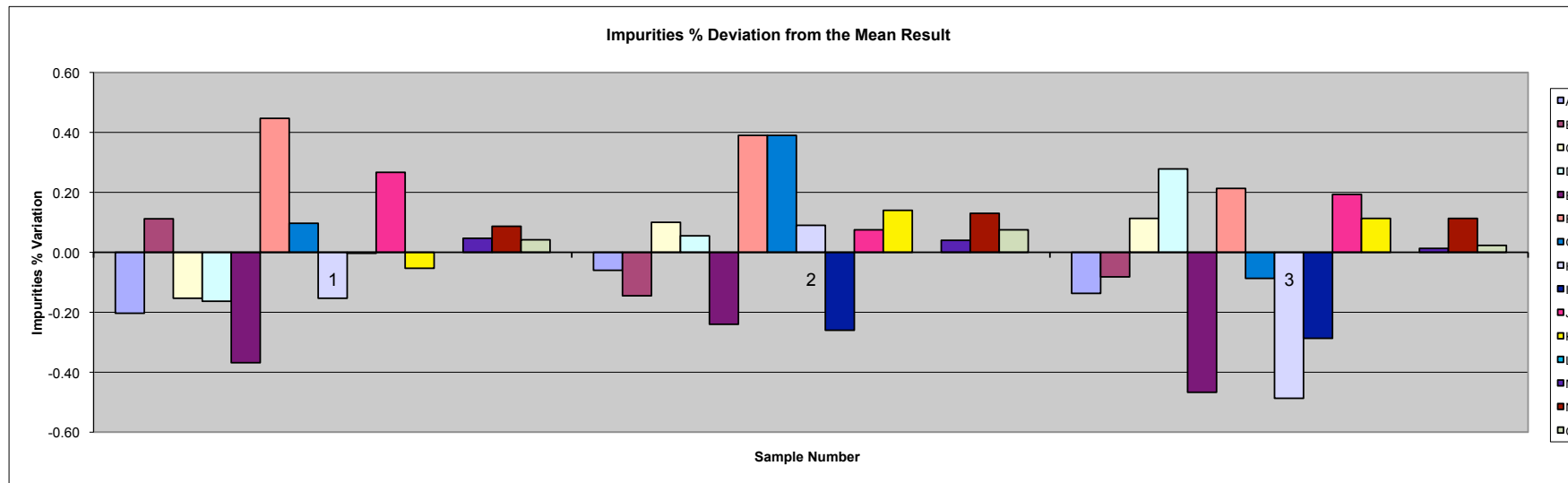
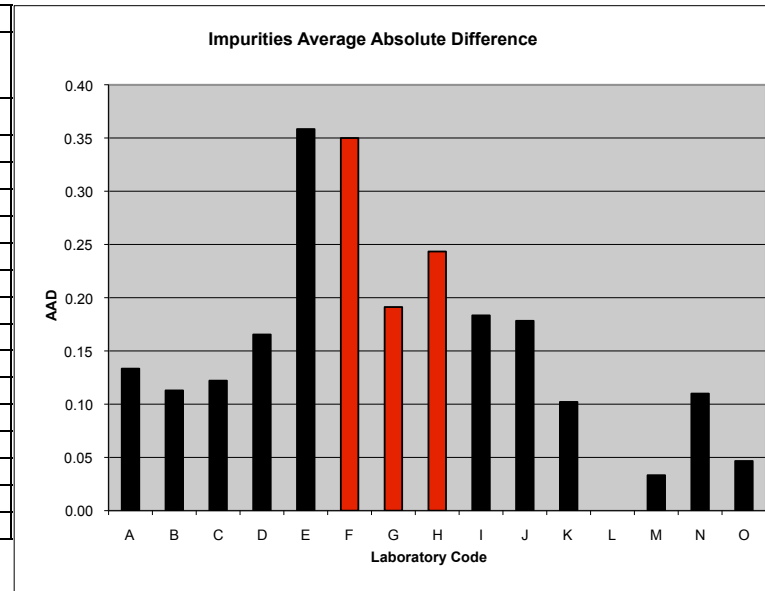
**2013 AOF Test Check Program  
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Test Weight kg/hl								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	67.90	0.23	64.40	-0.52	66.30	-0.24	-0.18	0.33
B	67.50	-0.17	65.50	0.58	66.50	-0.04	0.12	0.26
C	67.58	-0.09	65.36	0.44	66.32	-0.22	0.04	0.25
D								
E	68.30	0.63	65.30	0.38	67.60	1.06	0.69	0.69
F	68.05	0.38	64.65	-0.27	67.75	1.21	0.44	0.62
G								
H	67.80	0.13	64.60	-0.32	66.40	-0.14	-0.11	0.20
I	66.20	-1.47	63.15	-1.77	65.35	-1.19	-1.48	1.48
J	67.52	-0.16	64.53	-0.40	66.68	0.13	-0.14	0.23
K	67.00	-0.67	65.00	0.08	66.00	-0.54	-0.38	0.43
L								
M	66.60	-1.07	63.35	-1.57	65.60	-0.94	-1.20	1.20
N	67.81	0.14	65.05	0.13	66.78	0.23	0.17	0.17
O	68.34	0.67	64.86	-0.06	67.25	0.70	0.44	0.48
MEAN	67.67		64.92		66.54			0.53
STDEV	0.52		0.38		0.73			



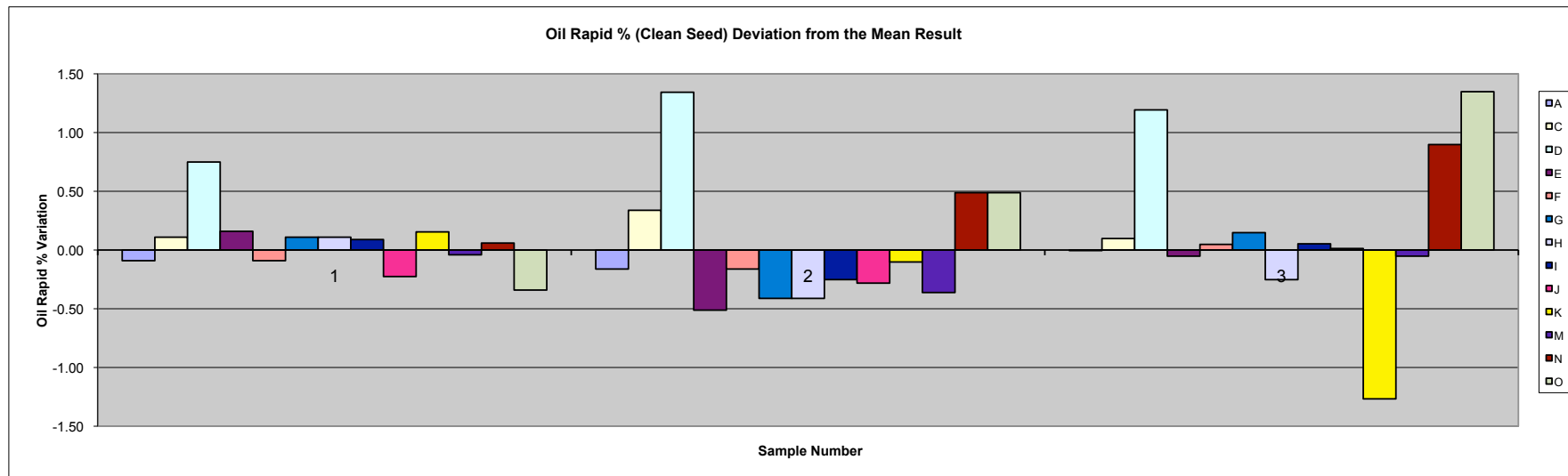
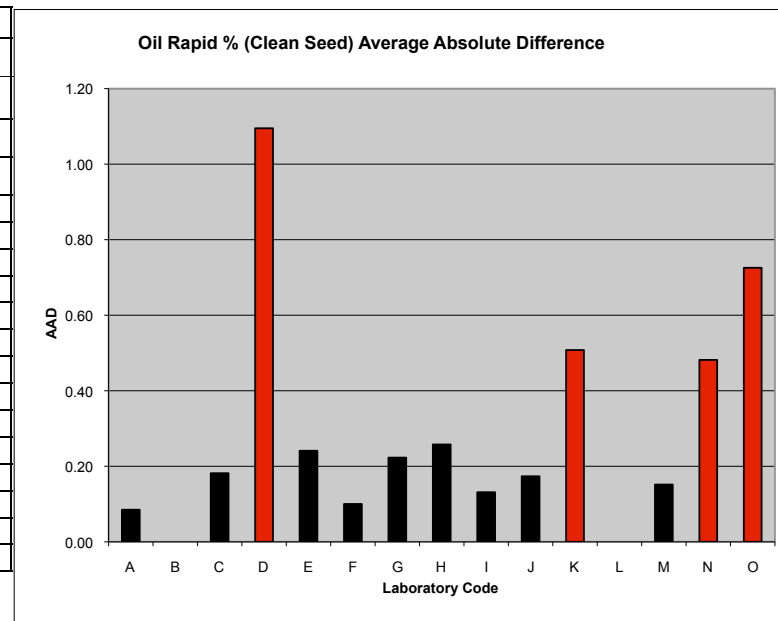
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Impurities %								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	0.75	-0.20	0.95	-0.06	0.65	-0.14	-0.13	0.13
B	1.07	0.11	0.87	-0.15	0.71	-0.08	-0.04	0.11
C	0.80	-0.15	1.11	0.10	0.90	0.11	0.02	0.12
D	0.79	-0.16	1.07	0.05	1.07	0.28	0.06	0.17
E	0.59	-0.37	0.77	-0.24	0.32	-0.47	-0.36	0.36
F	1.40	0.45	1.40	0.39	1.00	0.21	0.35	0.35
G	1.05	0.10	1.40	0.39	0.70	-0.09	0.13	0.19
H	0.80	-0.15	1.10	0.09	0.30	-0.49	-0.18	0.24
I	0.95	0.00	0.75	-0.26	0.50	-0.29	-0.18	0.18
J	1.22	0.27	1.09	0.08	0.98	0.19	0.18	0.18
K	0.90	-0.05	1.15	0.14	0.90	0.11	0.07	0.10
L								
M	1.00	0.05	1.05	0.04	0.80	0.01	0.03	0.03
N	1.04	0.09	1.14	0.13	0.90	0.11	0.11	0.11
O	1.00	0.04	1.09	0.08	0.81	0.02	0.05	0.05
<b>MEAN</b>	<b>0.95</b>		<b>1.01</b>		<b>0.79</b>			<b>0.18</b>
<b>STDEV</b>	<b>0.21</b>		<b>0.14</b>		<b>0.21</b>			



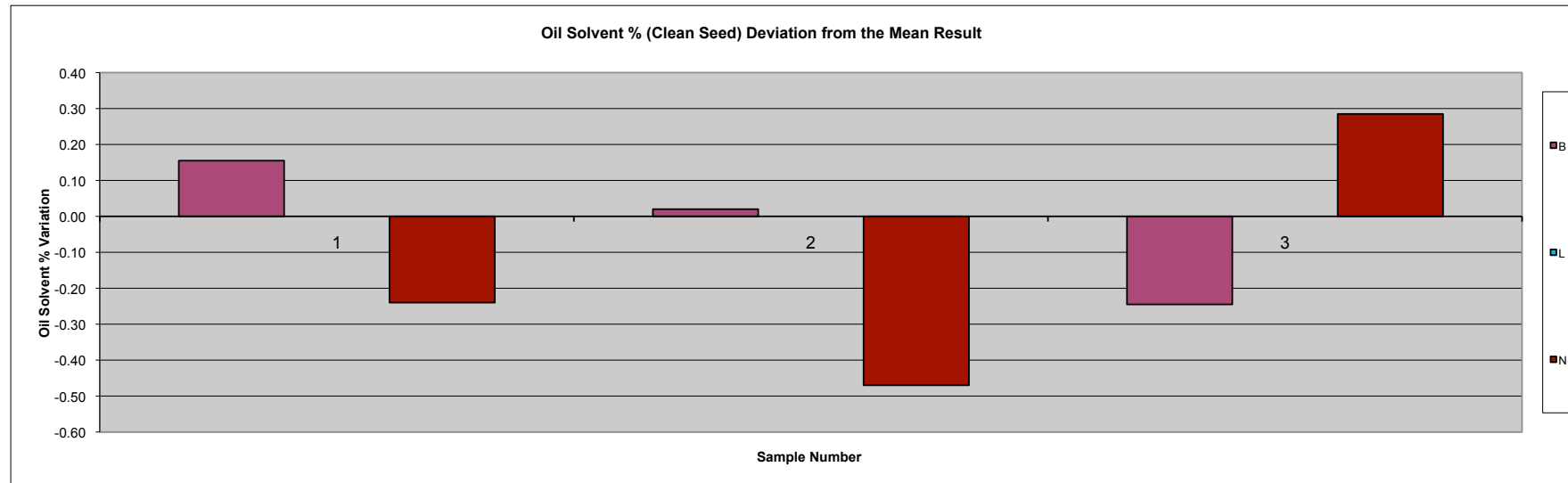
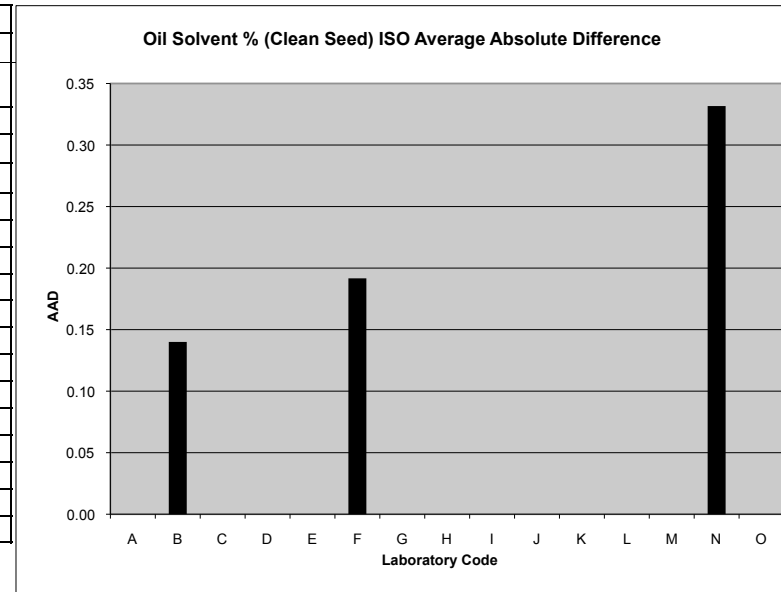
**2013 AOF Test Check Program  
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Oil Rapid % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	42.70	-0.09	41.70	-0.16	45.25	0.00	-0.08	0.08
B								
C	42.90	0.11	42.20	0.34	45.35	0.10	0.18	0.18
D	43.54	0.75	43.21	1.34	46.45	1.19	1.10	1.10
E	42.95	0.16	41.35	-0.51	45.20	-0.05	-0.13	0.24
F	42.70	-0.09	41.70	-0.16	45.30	0.05	-0.07	0.10
G	42.90	0.11	41.45	-0.41	45.40	0.15	-0.05	0.22
H	42.90	0.11	41.45	-0.41	45.00	-0.25	-0.18	0.26
I	42.88	0.09	41.61	-0.25	45.31	0.05	-0.04	0.13
J	42.57	-0.23	41.58	-0.28	45.27	0.01	-0.16	0.17
K	42.95	0.15	41.76	-0.10	43.99	-1.27	-0.40	0.51
L								
M	42.75	-0.04	41.50	-0.36	45.20	-0.05	-0.15	0.15
N	42.85	0.06	42.35	0.49	46.15	0.90	0.48	0.48
O	42.45	-0.34	42.35	0.49	46.60	1.35	0.50	0.73
<b>MEAN</b>	<b>42.79</b>		<b>41.86</b>		<b>45.25</b>			<b>0.30</b>
<b>STDEV</b>	<b>0.16</b>		<b>0.53</b>		<b>0.11</b>			



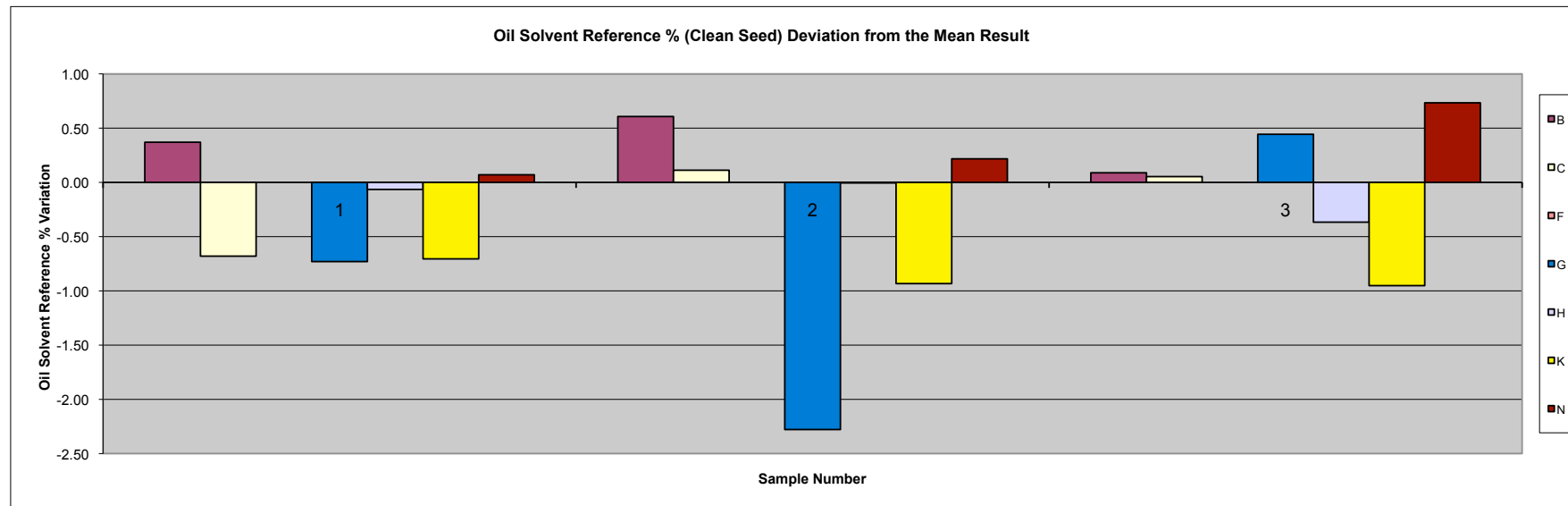
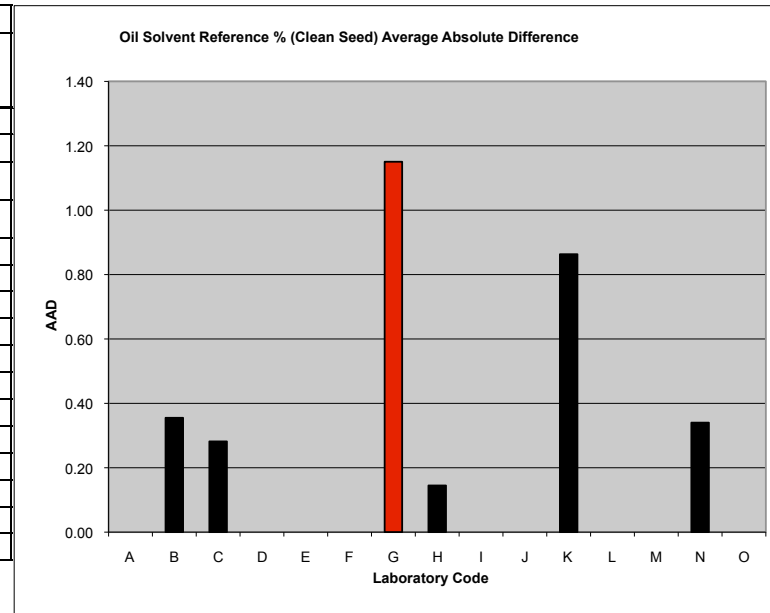
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Oil Solvent % (Clean Seed) - ISO Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	43.12	0.16	42.87	0.02	45.40	-0.25	-0.02	0.14
C								
D								
E								
F	43.05	0.09	43.30	0.45	45.60	-0.04	0.16	0.19
G								
H								
I								
J								
K								
L								
M								
N	42.73	-0.24	42.38	-0.47	45.93	0.28	-0.14	0.33
O								
<b>MEAN</b>	<b>42.97</b>		<b>42.85</b>		<b>45.64</b>			<b>0.22</b>
<b>STDEV</b>	<b>0.21</b>		<b>0.46</b>		<b>0.27</b>			



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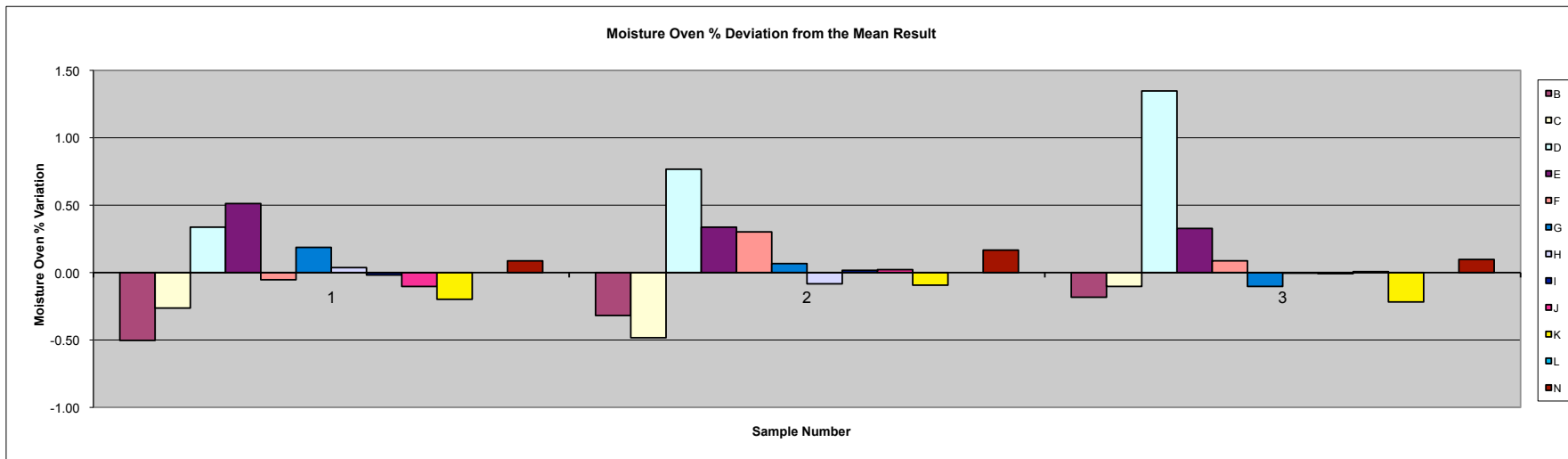
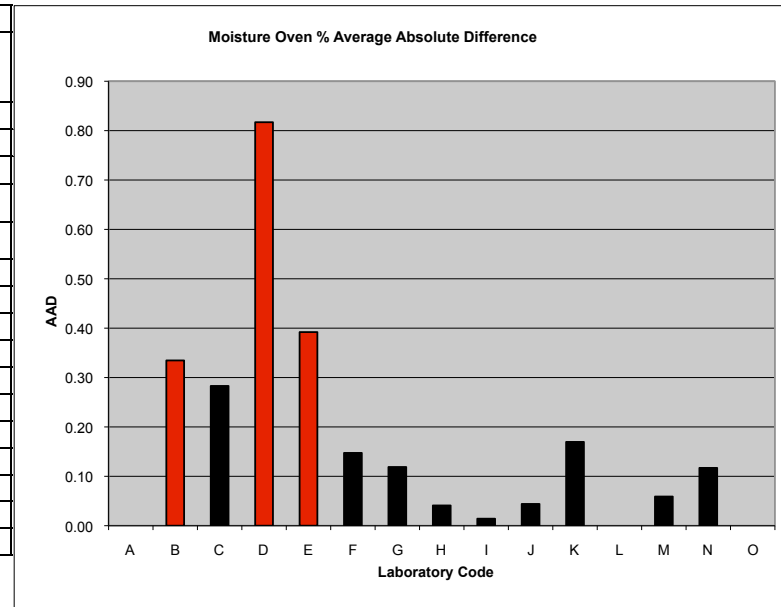
FOSFA % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	43.34	0.37	43.11	0.61	45.16	0.09	0.36	0.36
C	42.29	-0.68	42.62	0.11	45.12	0.05	-0.17	0.28
D								
E								
F								
G	42.24	-0.73	40.23	-2.28	45.51	0.44	-0.85	1.15
H	42.90	-0.06	42.50	0.00	44.70	-0.37	-0.14	0.14
I								
J								
K	42.26	-0.70	41.57	-0.93	44.12	-0.95	-0.86	0.86
L								
M								
N	43.04	0.07	42.72	0.22	45.80	0.73	0.34	0.34
O								
<b>MEAN</b>	<b>42.68</b>		<b>42.50</b>		<b>45.07</b>			<b>0.52</b>
<b>STDEV</b>	<b>0.48</b>		<b>0.57</b>		<b>0.60</b>			





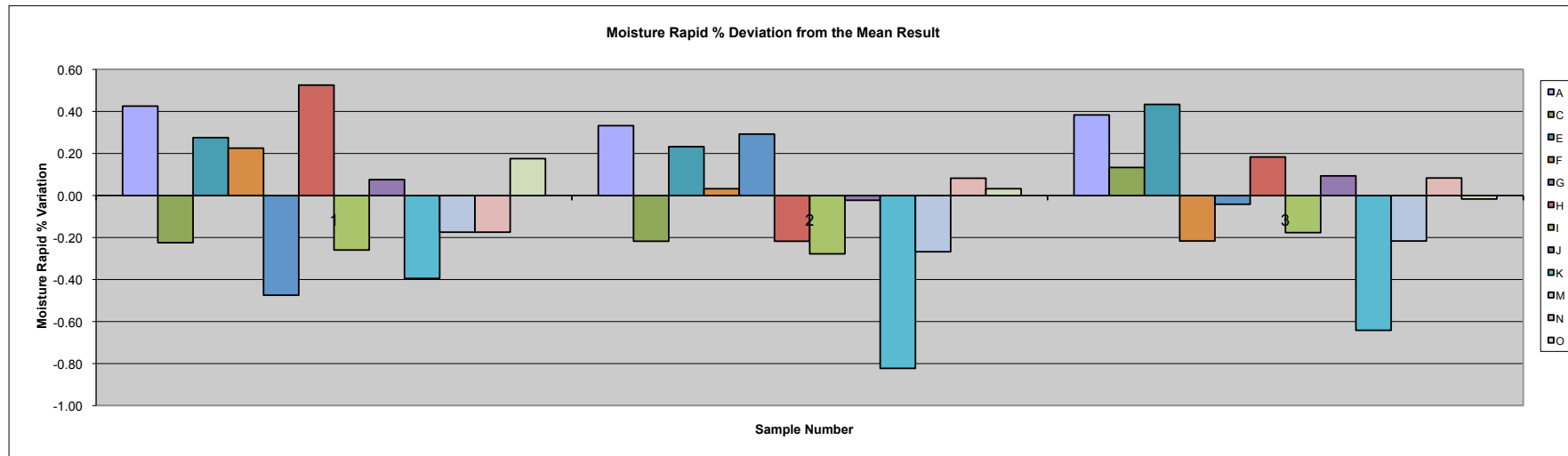
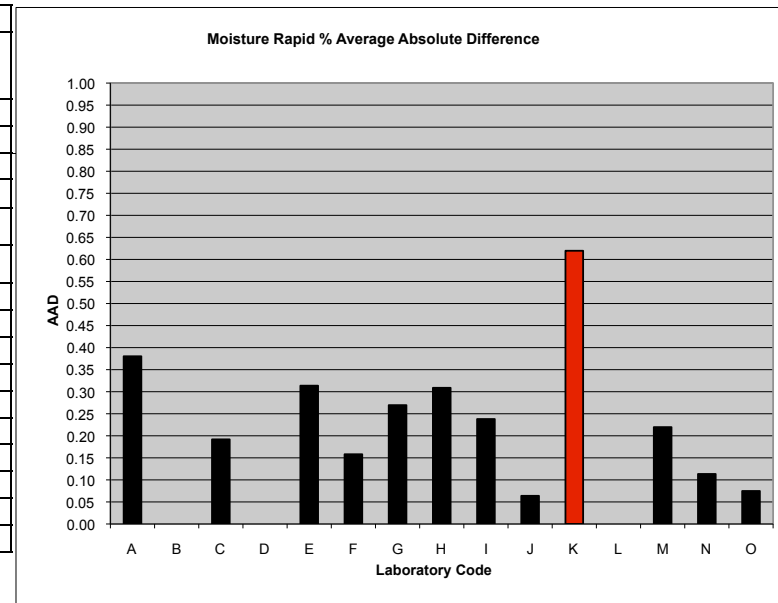
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Moisture Oven % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	4.31	-0.50	6.02	-0.32	6.42	-0.18	-0.33	0.33
C	4.55	-0.26	5.85	-0.48	6.50	-0.10	-0.28	0.28
D	5.15	0.34	7.10	0.77	7.95	1.35	0.82	0.82
E	5.33	0.51	6.67	0.34	6.93	0.33	0.39	0.39
F	4.76	-0.05	6.64	0.30	6.69	0.09	0.11	0.15
G	5.00	0.19	6.40	0.07	6.50	-0.10	0.05	0.12
H	4.85	0.04	6.25	-0.08	6.60	0.00	-0.02	0.04
I	4.80	-0.02	6.35	0.02	6.60	-0.01	0.00	0.01
J	4.71	-0.10	6.36	0.02	6.61	0.01	-0.02	0.04
K	4.62	-0.20	6.24	-0.09	6.39	-0.22	-0.17	0.17
L								
M	4.80	-0.01	6.40	0.07	6.70	0.10	0.05	0.06
N	4.90	0.09	6.50	0.17	6.70	0.10	0.12	0.12
O								
<b>MEAN</b>	<b>4.81</b>		<b>6.33</b>		<b>6.60</b>			<b>0.21</b>
<b>STDEV</b>	<b>0.18</b>		<b>0.24</b>		<b>0.15</b>			



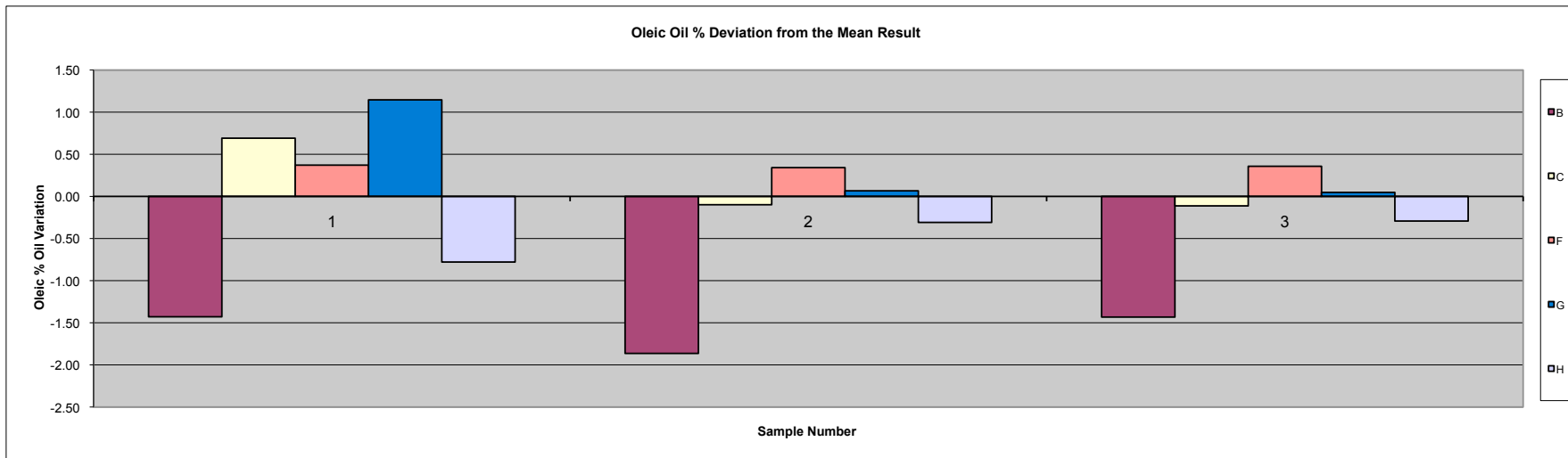
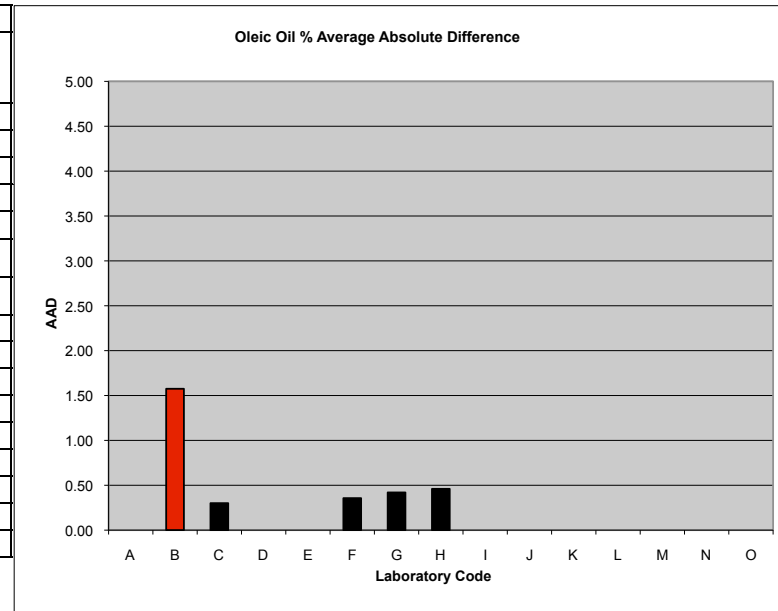
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Moisture Rapid % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	5.55	0.43	6.80	0.33	7.05	0.38	0.38	0.38
B								
C	4.90	-0.22	6.25	-0.22	6.80	0.13	-0.10	0.19
D								
E	5.40	0.28	6.70	0.23	7.10	0.43	0.31	0.31
F	5.35	0.23	6.50	0.03	6.45	-0.22	0.01	0.16
G	4.65	-0.47	6.76	0.29	6.63	-0.04	-0.07	0.27
H	5.65	0.53	6.25	-0.22	6.85	0.18	0.16	0.31
I	4.87	-0.26	6.19	-0.28	6.49	-0.18	-0.24	0.24
J	5.20	0.08	6.45	-0.02	6.76	0.09	0.05	0.06
K	4.73	-0.39	5.65	-0.82	6.03	-0.64	-0.62	0.62
L								
M	4.95	-0.17	6.20	-0.27	6.45	-0.22	-0.22	0.22
N	4.95	-0.17	6.55	0.08	6.75	0.08	0.00	0.11
O	5.30	0.18	6.50	0.03	6.65	-0.02	0.06	0.07
<b>MEAN</b>	<b>5.12</b>		<b>6.47</b>		<b>6.67</b>			<b>0.26</b>
<b>STDEV</b>	<b>0.33</b>		<b>0.22</b>		<b>0.29</b>			



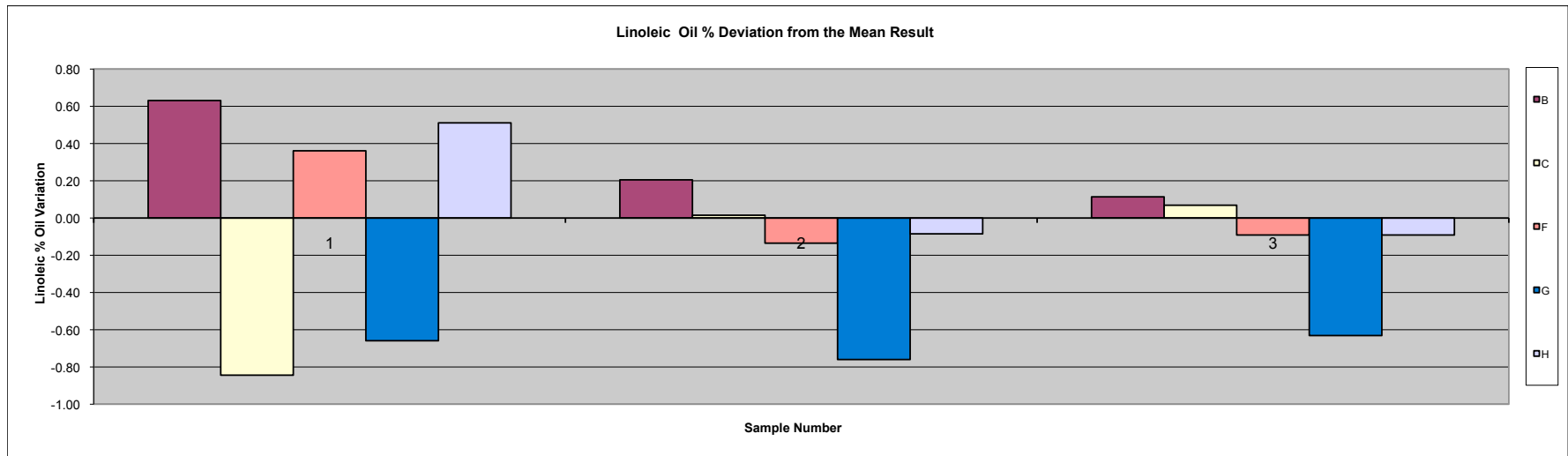
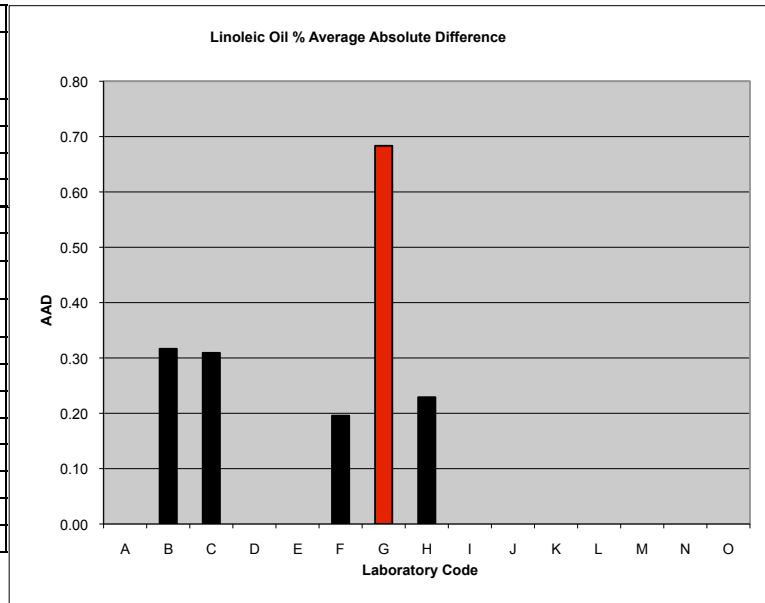
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Oleic Oil % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	68.30	-1.43	55.95	-1.86	59.66	-1.43	-1.58	1.58
C	70.42	0.69	57.71	-0.10	60.98	-0.11	0.16	0.30
D								
E								
F	70.10	0.37	58.15	0.34	61.45	0.36	0.36	0.36
G	70.88	1.15	57.88	0.07	61.14	0.05	0.42	0.42
H	68.95	-0.78	57.50	-0.31	60.80	-0.29	-0.46	0.46
I								
J								
K								
L								
M								
N								
O								
<b>MEAN</b>	<b>69.73</b>		<b>57.81</b>		<b>61.09</b>			<b>0.62</b>
<b>STDEV</b>	<b>1.07</b>		<b>0.27</b>		<b>0.28</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	13.67	0.63	21.49	0.21	19.71	0.11	0.32	0.32
C	12.20	-0.84	21.30	0.02	19.66	0.07	-0.25	0.31
D								
E								
F	13.40	0.36	21.15	-0.14	19.50	-0.09	0.04	0.20
G	12.38	-0.66	20.53	-0.76	18.96	-0.63	-0.68	0.68
H	13.55	0.51	21.20	-0.09	19.50	-0.09	0.11	0.23
I								
J								
K								
L								
M								
N								
O								
<b>MEAN</b>	<b>13.04</b>		<b>21.29</b>		<b>19.59</b>			<b>0.35</b>
<b>STDEV</b>	<b>0.70</b>		<b>0.15</b>		<b>0.11</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	0.10	-0.09	0.14	-0.08	0.16	-0.07	-0.08	0.08
C	0.08	-0.11	0.09	-0.13	0.09	-0.14	-0.13	0.13
D								
E	0.45	0.26	0.63	0.41	0.52	0.30	0.32	0.32
F	0.23	0.03	0.39	0.17	0.38	0.16	0.12	0.12
G	0.28	0.09	0.38	0.16	0.43	0.21	0.15	0.15
H	0.09	-0.10	0.09	-0.13	0.12	-0.11	-0.11	0.11
I								
J								
K	0.12	-0.07	0.24	0.02	0.17	-0.06	-0.04	0.05
L								
M								
N								
O								
<b>MEAN</b>	<b>0.19</b>		<b>0.22</b>		<b>0.23</b>			<b>0.14</b>
<b>STDEV</b>	<b>0.14</b>		<b>0.14</b>		<b>0.14</b>			

