



**2013 AOF Test Check Program**  
**Monthly Report**  
**Round 7**  
**July 2013**  
01/07/2013 – 01/08/2013

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**Result Receival Dates**

Lab Code	Date
A	10/07/2013
B	31/07/2013
C	31/07/2013
D	01/08/2013
E	19/07/2013
F	30/07/2013
G	25/07/2013
H	31/07/2013
I	10/07/2013
J	24/07/2013
K	30/07/2013
L	30/07/2013
M	12/07/2013
N	08/07/2013
O	23/07/2013

**Discussion of Results**

***Test Weight***

No Outliers were identified for this test method.

***Impurities***

Sample 1 – One outlier was identified for Lab **H** with a 0.01 percent discrepancy from the lower quartile limit (0.10%).

Sample 2 – No outliers were observed.

Sample 3 – One outlier was identified for Lab **H** with a 0.10 percent discrepancy from the lower quartile limit (0.74%).

***Oil Rapid***

Sample 1 – One outlier was identified for Lab **D** with a 0.02 percent discrepancy from the upper quartile limit (39.78%).

Sample 2 – One outlier was identified for Lab **D** with a 0.26 percent discrepancy from the upper quartile limit (46.58%).

Sample 3 – One outlier was identified for Lab **D** with a 1.22 percent discrepancy from the upper quartile limit (42.78%).



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***Oil Solvent Extraction (Clean seed)***

Sample 1 – No outliers were observed.

Sample 2 – No outliers were observed.

Sample 3 – Outliers were identified for Lab **F** and **K**. Lab F results were 0.28 of a percent discrepancy from the upper quartile limit (42.96%). Lab K results were 0.35 of a percent discrepancy from the lower quartile limit (41.96%).

***Moisture Oven***

Sample 1 – One outlier was identified for Lab **D** with a 0.20 percent discrepancy from the upper quartile limit (7.05%).

Sample 2 – Outliers were identified for Lab **B** and **D**. Lab B results were 0.08 of a percent discrepancy from the lower quartile limit (6.18%). Lab D results were 0.23 of a percent discrepancy from the upper quartile limit (7.18%).

Sample 3 – Outliers were identified for Lab **B, D, G** and **K**. Lab B and K results were 0.12 and 0.02 of a percent discrepancy, respectively, from the lower quartile limit (6.20%). However, Lab G has results situated at the lower quartile limit. Lab K results were 0.32 of a percent discrepancy from the upper quartile limit (6.68%).

***Moisture Rapid***

No Outliers were identified for this test method.

***Oleic Oil***

Sample 1 – One outlier was identified for Lab **B** with a 1.44 percent discrepancy from the lower quartile limit (60.94%).

Sample 2 – One outlier was identified for Lab **B** with a 0.46 percent discrepancy from the lower quartile limit (59.04%).

Sample 3 – One outlier was identified for Lab **B** with a 1.24 percent discrepancy from the lower quartile limit (55.89%).

***Linoleic Oil***

No Outliers were identified for this test method.



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***Free Fatty Acid***

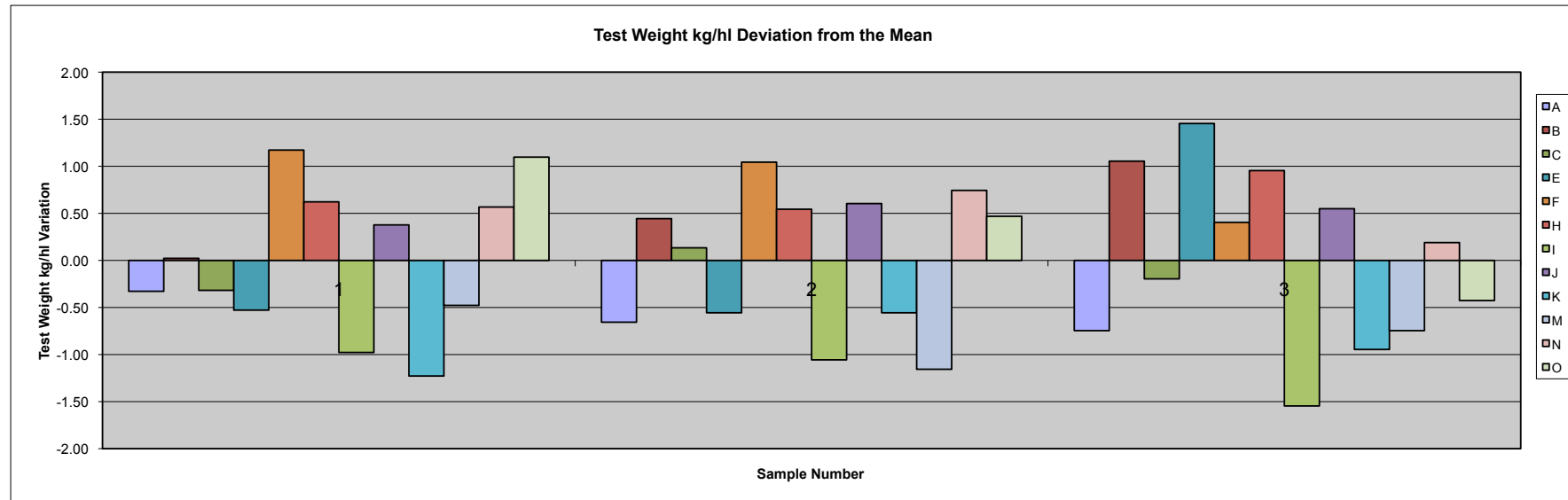
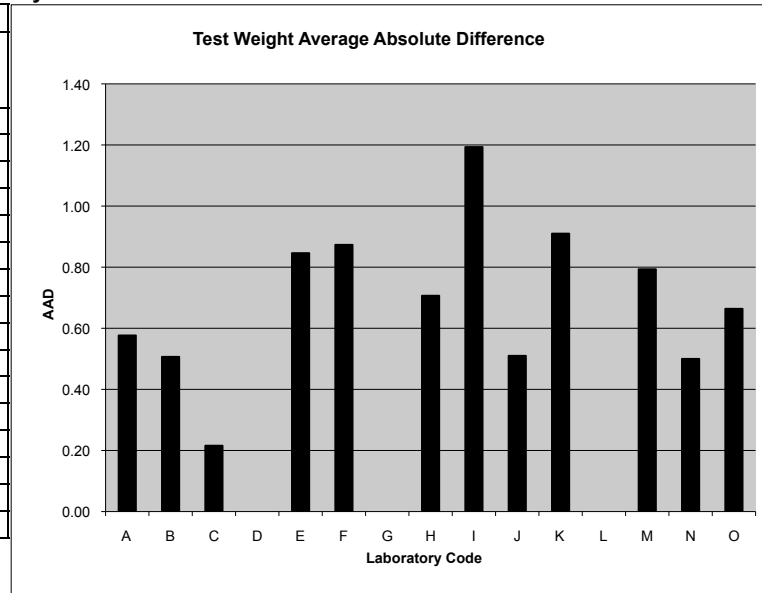
Sample 1 – One outlier was identified for Lab **C** with a 0.03 percent discrepancy from the lower quartile limit (0.34%).

Sample 2 – One outlier was identified for Lab **E** with a result situated at the upper quartile limit 0.47%.

Sample 3 – No outliers were observed.

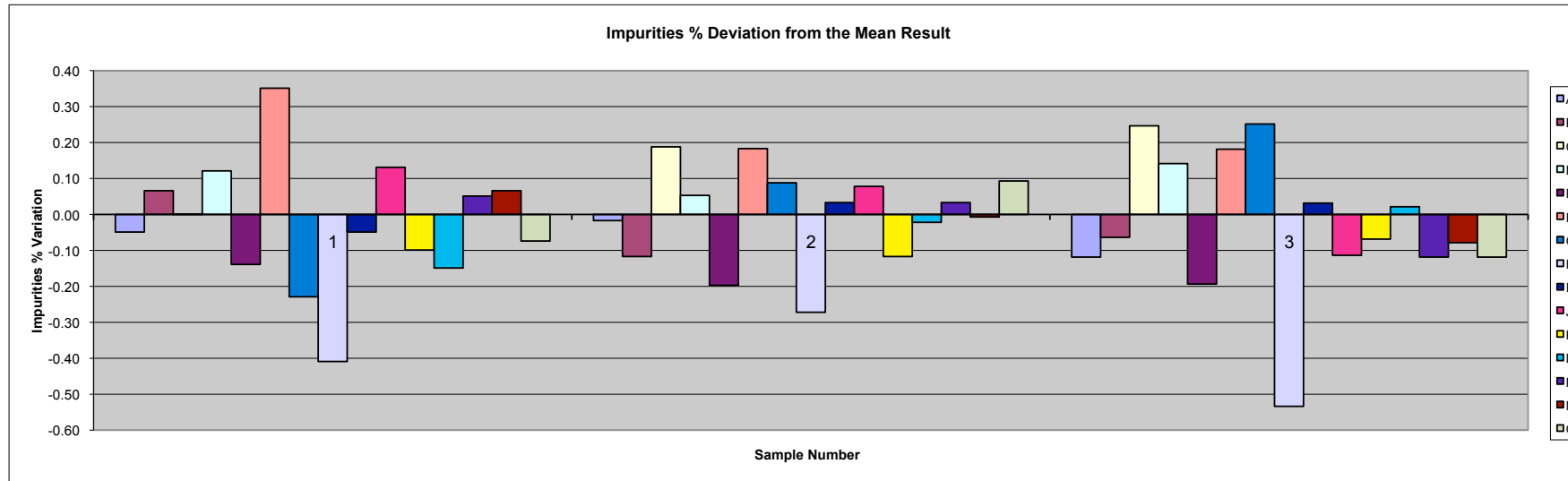
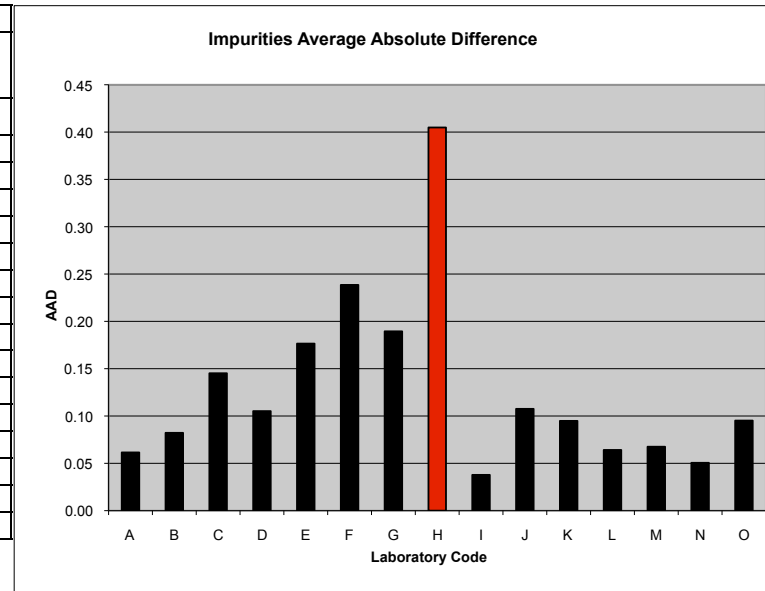
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Test Weight kg/hl								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	68.90	-0.33	65.90	-0.66	64.20	-0.75	-0.58	0.58
B	69.25	0.02	67.00	0.44	66.00	1.05	0.51	0.51
C	68.91	-0.32	66.69	0.13	64.75	-0.20	-0.13	0.22
D								
E	68.70	-0.53	66.00	-0.56	66.40	1.45	0.12	0.85
F	70.40	1.17	67.60	1.04	65.35	0.40	0.87	0.87
G								
H	69.85	0.62	67.10	0.54	65.90	0.95	0.71	0.71
I	68.25	-0.98	65.50	-1.06	63.40	-1.55	-1.19	1.19
J	69.61	0.38	67.16	0.60	65.50	0.55	0.51	0.51
K	68.00	-1.23	66.00	-0.56	64.00	-0.95	-0.91	0.91
L								
M	68.75	-0.48	65.40	-1.16	64.20	-0.75	-0.79	0.79
N	69.80	0.57	67.30	0.74	65.14	0.19	0.50	0.50
O	70.33	1.10	67.03	0.47	64.52	-0.43	0.38	0.66
<b>MEAN</b>	<b>69.23</b>		<b>66.56</b>		<b>64.95</b>			<b>0.69</b>
<b>STDEV</b>	<b>0.78</b>		<b>0.75</b>		<b>0.92</b>			



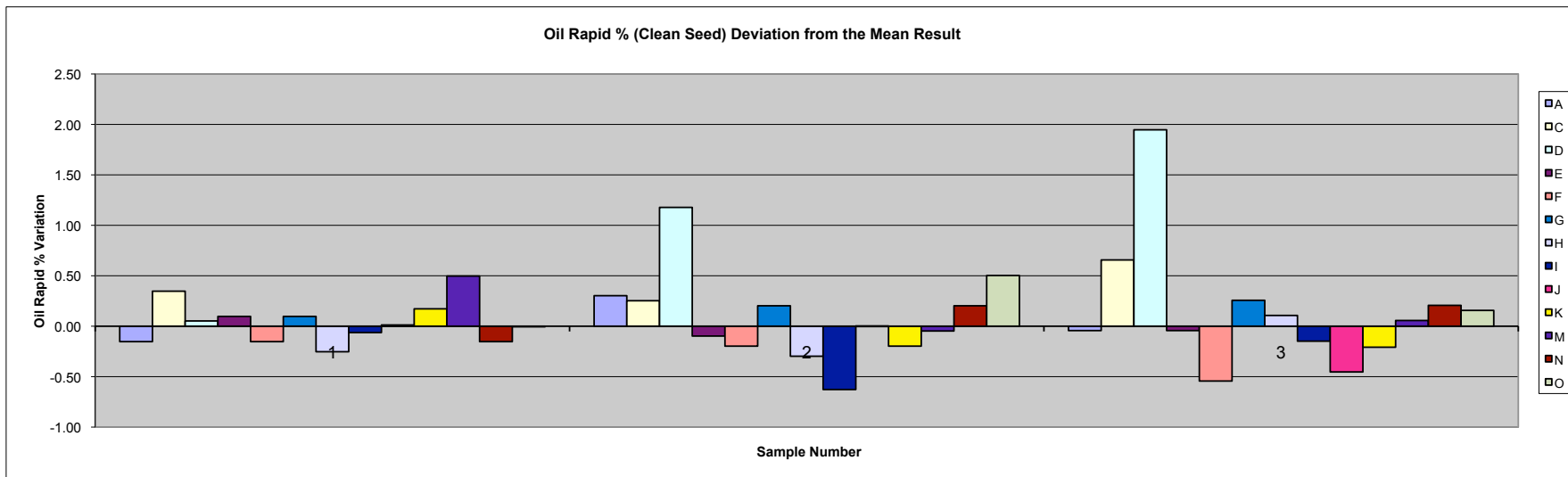
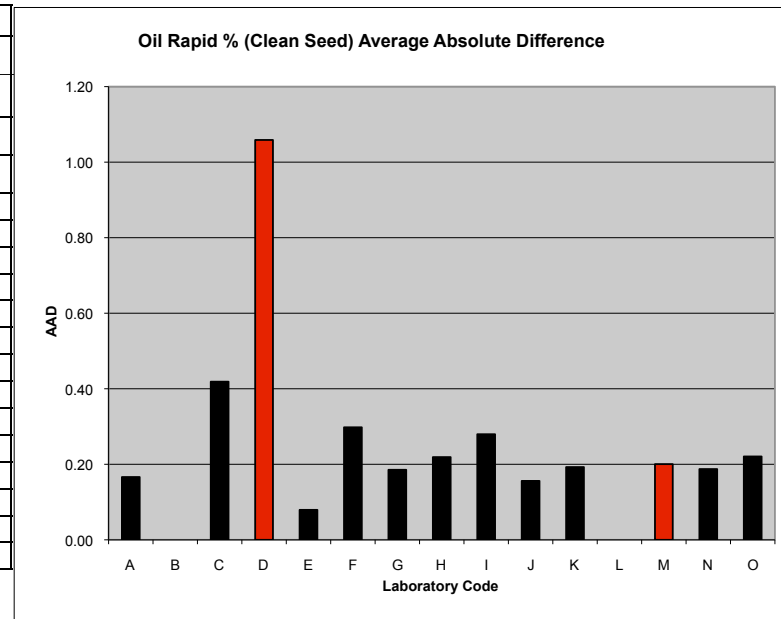
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Impurities %								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	0.45	-0.05	0.80	-0.02	1.05	-0.12	-0.06	0.06
B	0.57	0.07	0.70	-0.12	1.11	-0.06	-0.04	0.08
C	0.50	0.00	1.01	0.19	1.42	0.25	0.15	0.15
D	0.62	0.12	0.87	0.05	1.31	0.14	0.11	0.11
E	0.36	-0.14	0.62	-0.20	0.98	-0.19	-0.18	0.18
F	0.85	0.35	1.00	0.18	1.35	0.18	0.24	0.24
G	0.27	-0.23	0.91	0.09	1.42	0.25	0.04	0.19
H	0.09	-0.41	0.55	-0.27	0.64	-0.53	-0.40	0.40
I	0.45	-0.05	0.85	0.03	1.20	0.03	0.01	0.04
J	0.63	0.13	0.90	0.08	1.06	-0.11	0.03	0.11
K	0.40	-0.10	0.70	-0.12	1.10	-0.07	-0.09	0.09
L	0.35	-0.15	0.80	-0.02	1.19	0.02	-0.05	0.06
M	0.55	0.05	0.85	0.03	1.05	-0.12	-0.01	0.07
N	0.57	0.07	0.81	-0.01	1.09	-0.08	-0.01	0.05
O	0.43	-0.07	0.91	0.09	1.05	-0.12	-0.03	0.10
<b>MEAN</b>	<b>0.50</b>		<b>0.82</b>		<b>1.17</b>			<b>0.13</b>
<b>STDEV</b>	<b>0.15</b>		<b>0.13</b>		<b>0.15</b>			



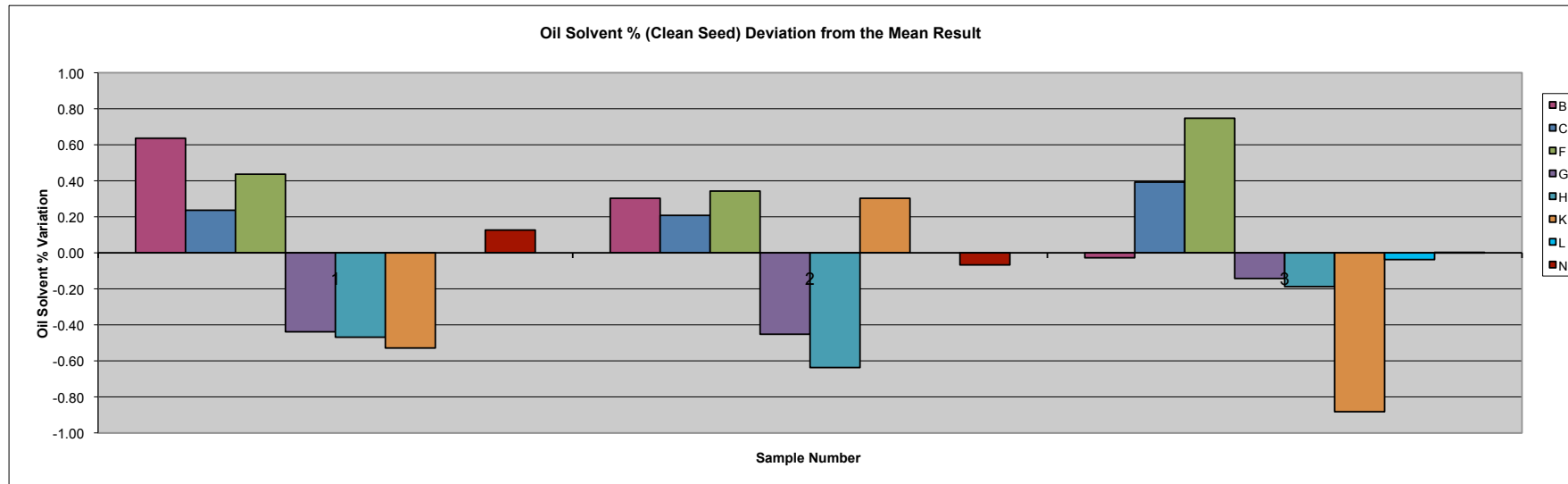
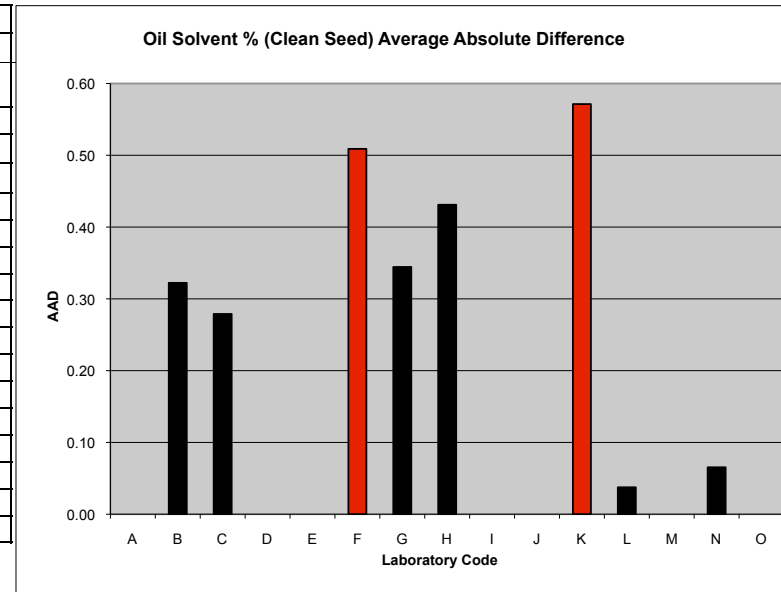
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Oil Rapid % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	39.15	-0.15	45.70	0.30	42.00	-0.04	0.04	0.17
B								
C	39.65	0.35	45.65	0.25	42.70	0.66	0.42	0.42
D	39.36	0.05	46.58	1.18	43.99	1.95	1.06	1.06
E	39.40	0.10	45.30	-0.10	42.00	-0.04	-0.01	0.08
F	39.15	-0.15	45.20	-0.20	41.50	-0.54	-0.30	0.30
G	39.40	0.10	45.60	0.20	42.30	0.26	0.19	0.19
H	39.05	-0.25	45.10	-0.30	42.15	0.11	-0.15	0.22
I	39.24	-0.06	44.77	-0.63	41.90	-0.15	-0.28	0.28
J	39.32	0.01	45.40	0.00	41.59	-0.45	-0.15	0.16
K	39.48	0.17	45.20	-0.20	41.84	-0.21	-0.08	0.19
L								
M	39.80	0.50	45.35	-0.05	42.10	0.06	0.17	0.20
N	39.15	-0.15	45.60	0.20	42.25	0.21	0.09	0.19
O	39.30	0.00	45.90	0.50	42.20	0.16	0.22	0.22
<b>MEAN</b>	<b>39.30</b>		<b>45.40</b>		<b>42.04</b>			<b>0.29</b>
<b>STDEV</b>	<b>0.17</b>		<b>0.31</b>		<b>0.32</b>			



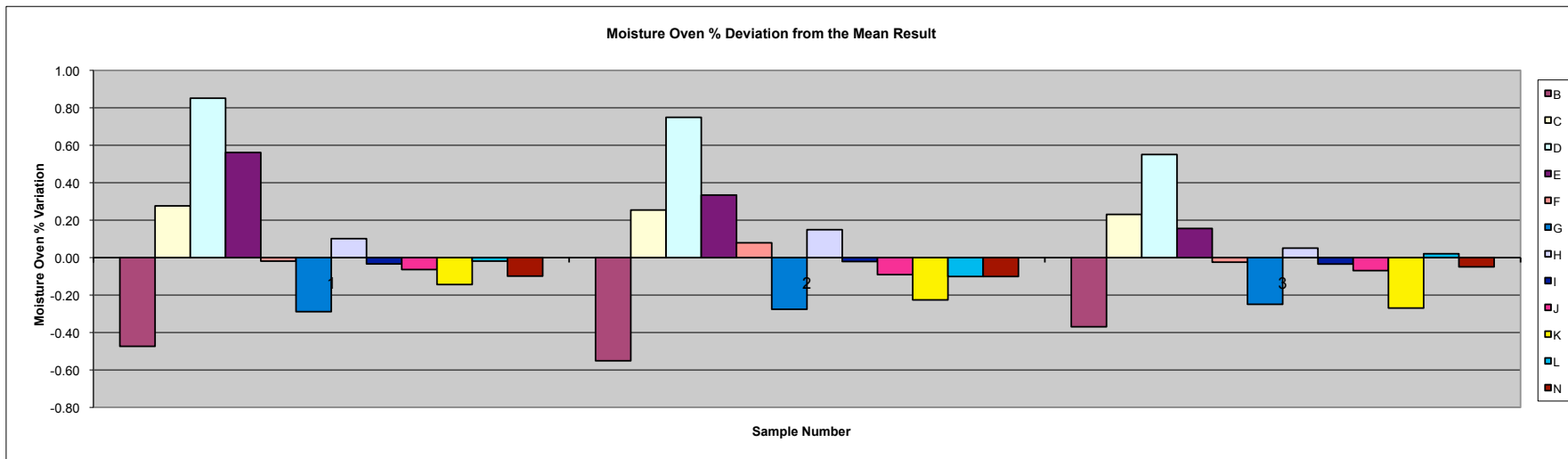
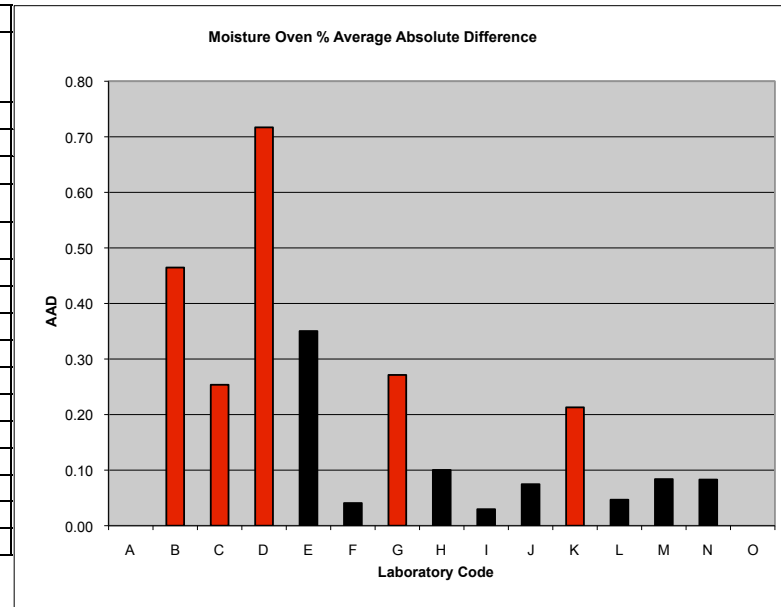
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Oil Solvent % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	39.61	0.64	45.34	0.30	42.46	-0.03	0.30	0.32
C	39.21	0.24	45.25	0.21	42.88	0.39	0.28	0.28
D								
E								
F	39.41	0.44	45.38	0.34	43.24	0.75	0.51	0.51
G	38.53	-0.44	44.59	-0.45	42.35	-0.14	-0.34	0.34
H	38.50	-0.47	44.40	-0.64	42.30	-0.19	-0.43	0.43
I								
J								
K	38.44	-0.53	45.34	0.30	41.61	-0.88	-0.37	0.57
L					42.45	-0.04	-0.04	0.04
M								
N	39.10	0.13	44.97	-0.07	42.49	0.00	0.02	0.07
O								
<b>MEAN</b>	<b>38.97</b>		<b>45.04</b>		<b>42.49</b>			<b>0.32</b>
<b>STDEV</b>	<b>0.48</b>		<b>0.40</b>		<b>0.21</b>			



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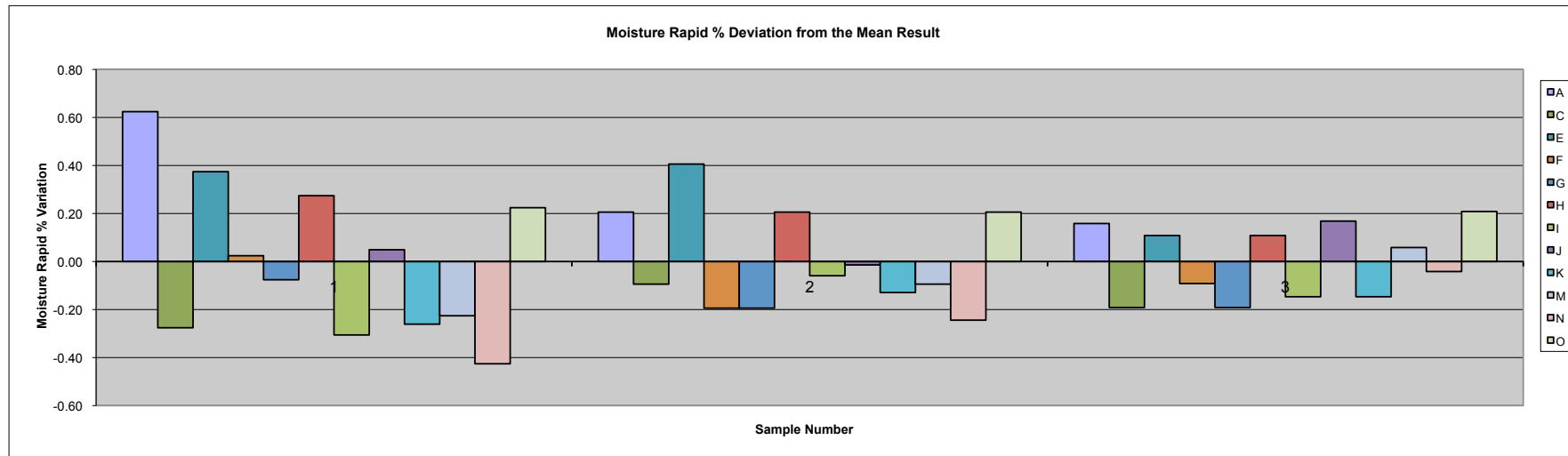
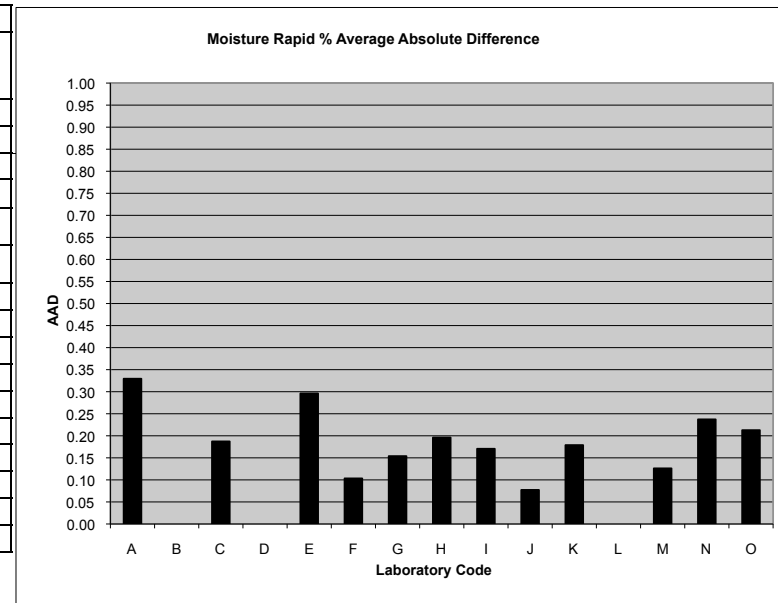
Moisture Oven % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	5.93	-0.47	6.10	-0.55	6.08	-0.37	-0.46	0.46
C	6.68	0.28	6.91	0.25	6.68	0.23	0.25	0.25
D	7.25	0.85	7.40	0.75	7.00	0.55	0.72	0.72
E	6.96	0.56	6.99	0.33	6.61	0.16	0.35	0.35
F	6.38	-0.02	6.73	0.08	6.43	-0.02	0.01	0.04
G	6.11	-0.29	6.38	-0.28	6.20	-0.25	-0.27	0.27
H	6.50	0.10	6.80	0.15	6.50	0.05	0.10	0.10
I	6.37	-0.03	6.63	-0.02	6.42	-0.03	-0.03	0.03
J	6.34	-0.06	6.56	-0.09	6.38	-0.07	-0.07	0.07
K	6.26	-0.14	6.43	-0.23	6.18	-0.27	-0.21	0.21
L	6.38	-0.02	6.55	-0.10	6.47	0.02	-0.03	0.05
M	6.60	0.20	6.65	0.00	6.40	-0.05	0.05	0.08
N	6.30	-0.10	6.55	-0.10	6.40	-0.05	-0.08	0.08
O								
MEAN	6.40		6.65		6.45			0.21
STDEV	0.27		0.19		0.07			





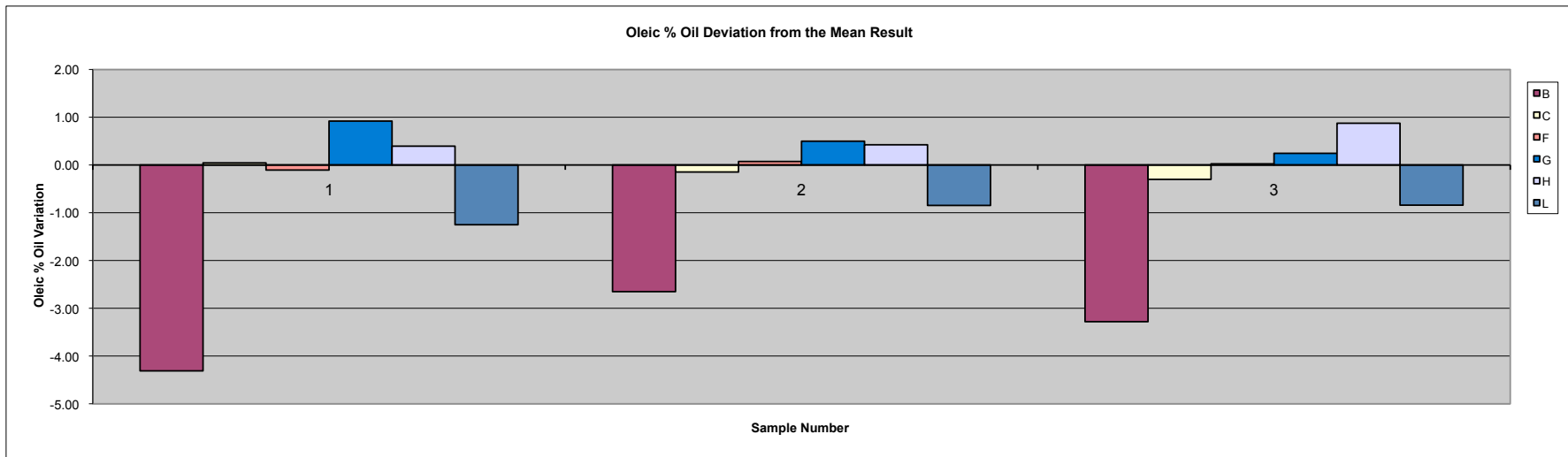
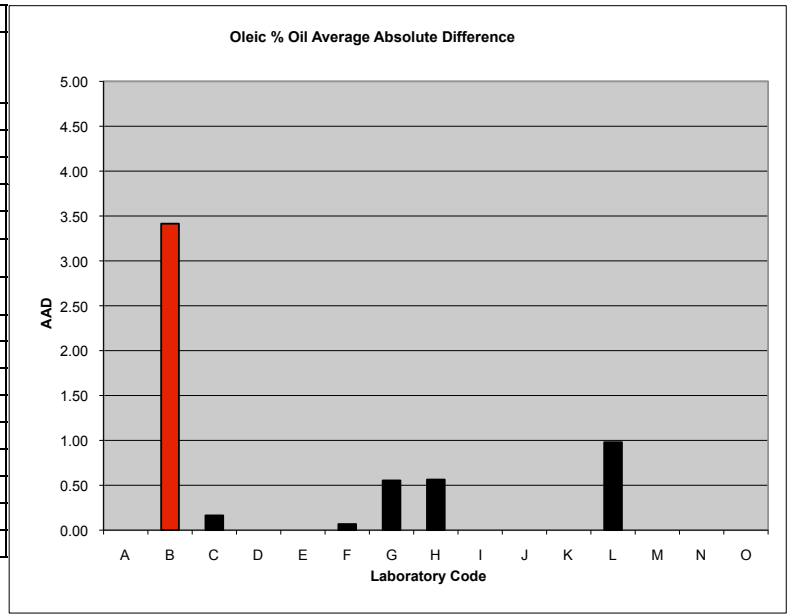
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Moisture Rapid % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	7.40	0.62	6.85	0.21	6.55	0.16	0.33	0.33
B								
C	6.50	-0.28	6.55	-0.09	6.20	-0.19	-0.19	0.19
D								
E	7.15	0.37	7.05	0.41	6.50	0.11	0.30	0.30
F	6.80	0.02	6.45	-0.19	6.30	-0.09	-0.09	0.10
G	6.70	-0.08	6.45	-0.19	6.20	-0.19	-0.15	0.15
H	7.05	0.27	6.85	0.21	6.50	0.11	0.20	0.20
I	6.47	-0.31	6.59	-0.06	6.25	-0.15	-0.17	0.17
J	6.83	0.05	6.63	-0.01	6.56	0.17	0.07	0.08
K	6.52	-0.26	6.52	-0.13	6.25	-0.15	-0.18	0.18
L								
M	6.55	-0.23	6.55	-0.09	6.45	0.06	-0.09	0.13
N	6.35	-0.43	6.40	-0.24	6.35	-0.04	-0.24	0.24
O	7.00	0.22	6.85	0.21	6.60	0.21	0.21	0.21
<b>MEAN</b>	<b>6.78</b>		<b>6.64</b>		<b>6.39</b>			<b>0.19</b>
<b>STDEV</b>	<b>0.32</b>		<b>0.21</b>		<b>0.15</b>			



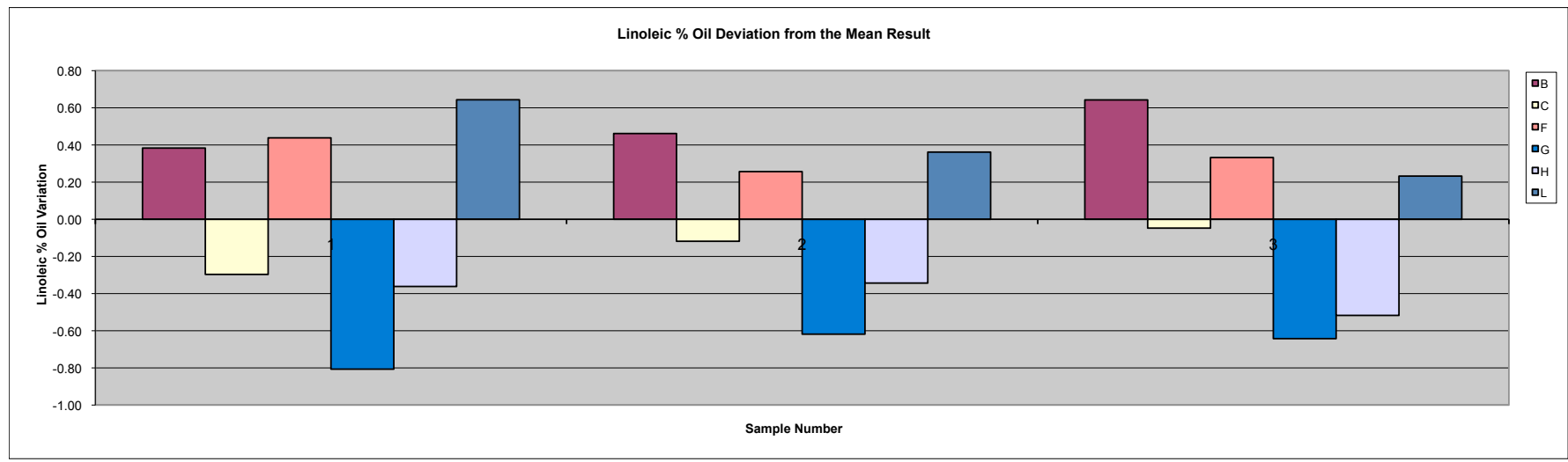
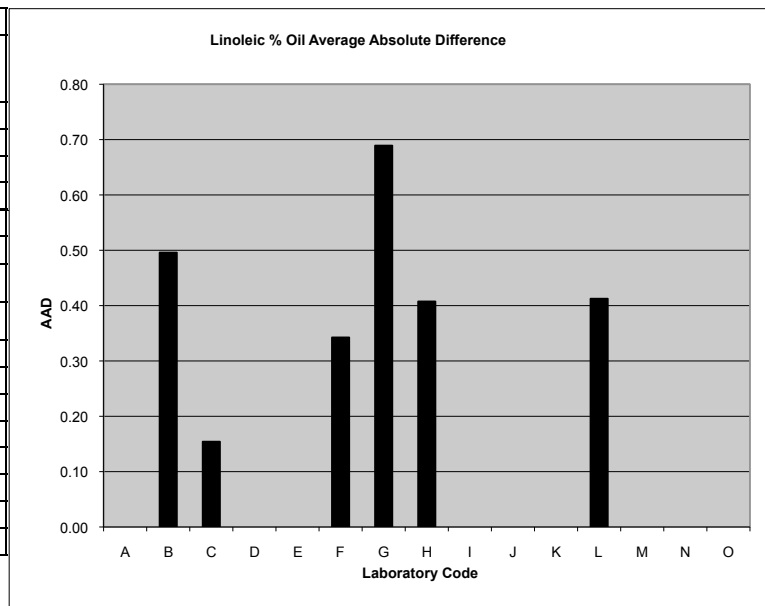
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Oleic % Oil Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	59.50	-4.31	58.58	-2.65	54.65	-3.28	-3.41	3.41
C	63.85	0.04	61.08	-0.15	57.63	-0.30	-0.13	0.16
D								
E								
F	63.70	-0.11	61.30	0.07	57.95	0.02	0.00	0.07
G	64.73	0.92	61.73	0.50	58.17	0.24	0.55	0.55
H	64.20	0.39	61.65	0.42	58.80	0.87	0.56	0.56
I								
J								
K								
L	62.56	-1.25	60.38	-0.85	57.09	-0.84	-0.98	0.98
M								
N								
O								
<b>MEAN</b>	<b>63.81</b>		<b>61.23</b>		<b>57.93</b>			<b>0.96</b>
<b>STDEV</b>	<b>0.80</b>		<b>0.54</b>		<b>0.64</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	19.05	0.38	19.91	0.46	21.96	0.64	0.50	0.50
C	18.37	-0.30	19.33	-0.12	21.27	-0.05	-0.15	0.15
D								
E								
F	19.10	0.44	19.70	0.26	21.65	0.33	0.34	0.34
G	17.86	-0.81	18.83	-0.62	20.68	-0.64	-0.69	0.69
H	18.30	-0.36	19.10	-0.34	20.80	-0.52	-0.41	0.41
I								
J								
K								
L	19.31	0.64	19.81	0.36	21.55	0.23	0.41	0.41
M								
N								
O								
<b>MEAN</b>	<b>18.66</b>		<b>19.44</b>		<b>21.32</b>			<b>0.42</b>
<b>STDEV</b>	<b>0.57</b>		<b>0.43</b>		<b>0.50</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	0.48	-0.05	0.17	-0.09	0.22	-0.10	-0.08	0.08
C	0.31	-0.22	0.29	0.02	0.30	-0.02	-0.07	0.09
D								
E	0.68	0.16	0.47	0.20	0.50	0.18	0.18	0.18
F	0.45	-0.08	0.22	-0.05	0.21	-0.11	-0.08	0.08
G	0.56	0.04	0.33	0.07	0.40	0.07	0.06	0.06
H	0.48	-0.05	0.30	0.04	0.35	0.02	0.00	0.04
I								
J								
K	0.48	-0.04	0.23	-0.03	0.26	-0.06	-0.05	0.05
L	0.56	0.03	0.32	0.05	0.35	0.02	0.04	0.04
M								
N								
O								
MEAN	0.52		0.26		0.32			0.08
STDEV	0.08		0.06		0.10			

