



**2014 AOF Test Check Program**  
**Monthly Report**  
**Round 3**  
**March - 2014**  
01/03/2014 – 01/04/2014

Result Receiving Dates

Lab Code	Date
A	11/03/2014
B	31/03/2014
C	31/03/2014
D	24/03/2014
E	27/03/2014
F	-
G	-
H	31/03/2014
I	31/03/2014
J	28/03/2014
K	31/03/2014
L	19/03/2014
M	06/03/2014
N	24/03/2014
O	18/03/2014
Q	17/03/2014

Discussion of Results

A new laboratory (Q) has been added as an ongoing participant to the AOF test check program.

**Test Weight**

Sample 1 – No outliers were observed.

Sample 2 – No outliers were observed.

Sample 3 – Outliers were identified for Labs **D**, **M** and **O**. Lab **D** and **M** were of 6.62 and 0.11 h/L discrepancy from the lower quartile limit (66.46 h/L). Lab **O** was 0.58 of a percent discrepancy from the upper quartile limit (67.84 h/L).

**Impurities**

Sample 1 – One outlier was identified for Lab **C** with a 0.77 of a percent discrepancy from the upper quartile limit (3.48%).

Sample 2 – One outlier was identified for Lab **B** with a 1.59 of a percent discrepancy from the upper quartile limit (5.25%).

Sample 3 – No outliers were observed.



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***Oil Rapid***

Sample 1 – One outlier was identified for Lab **D** with a 0.40 of a percent discrepancy from the upper quartile limit (43.30%).

Sample 2 – No outliers were observed.

Sample 3 – One outlier was identified for Lab **D** with a 0.77 of a percent discrepancy from the upper quartile limit (48.36%).

***Oil Solvent Extraction***

No Outliers were identified for this test method.

***Moisture Oven***

Sample 1 – Outliers were identified for Lab **C** and **D** with both resulting in a 0.38 and 0.51 of a percent discrepancy from the upper quartile limit (5.24%)

Sample 2 – One outlier was identified for Lab **D** with a 0.73 of a percent discrepancy from the upper quartile limit (7.83%).

Sample 3 – One outlier was identified for Lab **D** with a 0.19 of a percent discrepancy from the upper quartile limit (6.16%).

***Moisture Rapid***

No Outliers were identified for this test method.

***Oleic Oil***

Sample 1 – One outlier was identified for Lab **C** with a 0.76 of a percent discrepancy from the upper quartile limit (65.49%).

Sample 2 – No outliers were observed.

Sample 3 – No outliers were observed.



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***Linoleic Oil***

Sample 1 – Outliers were identified for Labs **B** and **C**. Lab **B** was 0.2 of a percent discrepancy from the upper quartile limit (18.73%). Lab **C** was 0.86 of a percent discrepancy from the lower quartile limit (18.29%).

Sample 2 – No outliers were observed.

Sample 3 – Outliers were identified for Labs **B** and **C**. Lab **B** was 0.03 of a percent discrepancy from the upper quartile limit (18.6%). Lab **C** was 0.17 of a percent discrepancy from the lower quartile limit (18.12%).

***Free Fatty Acid***

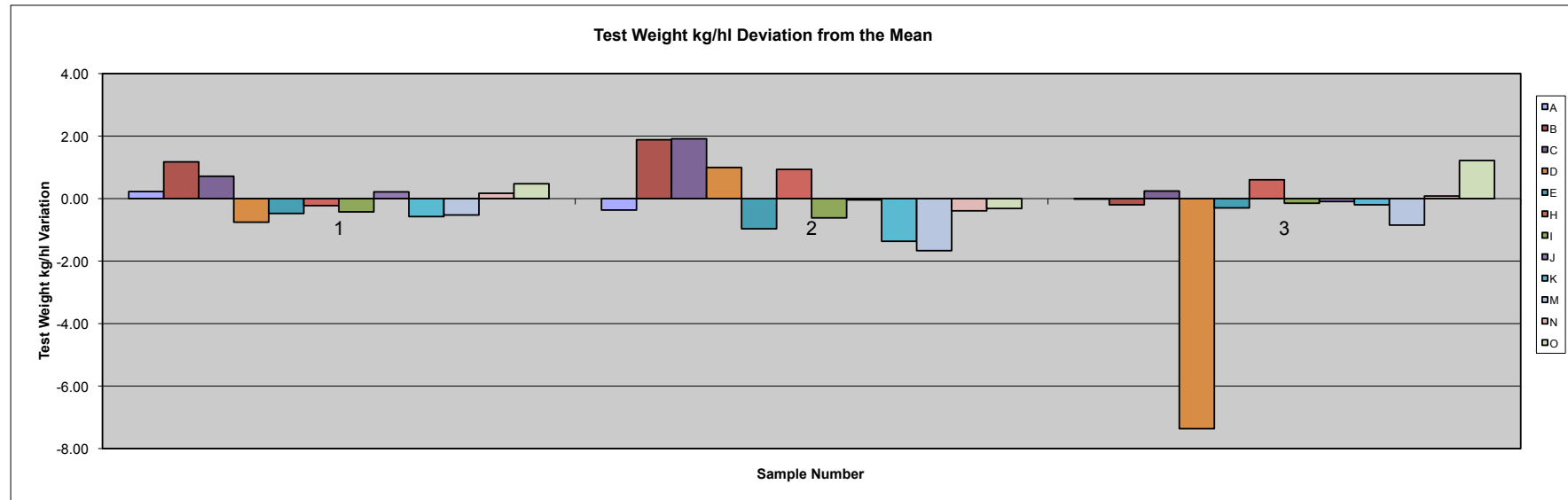
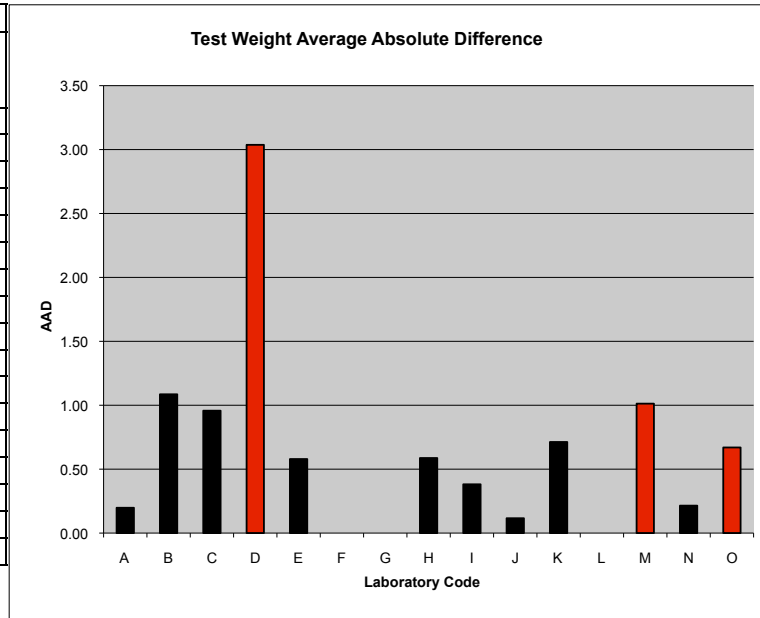
Sample 1 – One outlier was identified for Lab **E** with a 0.16 of a percent discrepancy from the upper quartile limit (0.31%).

Sample 2 – No outliers were observed.

Sample 3 – No outliers were observed.

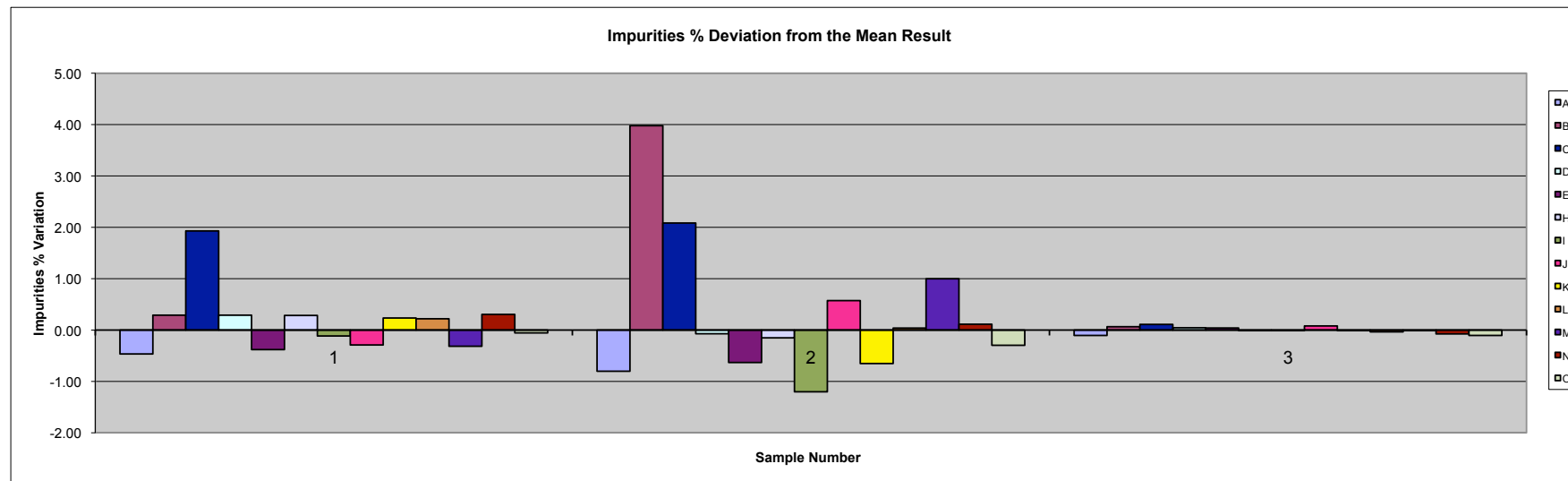
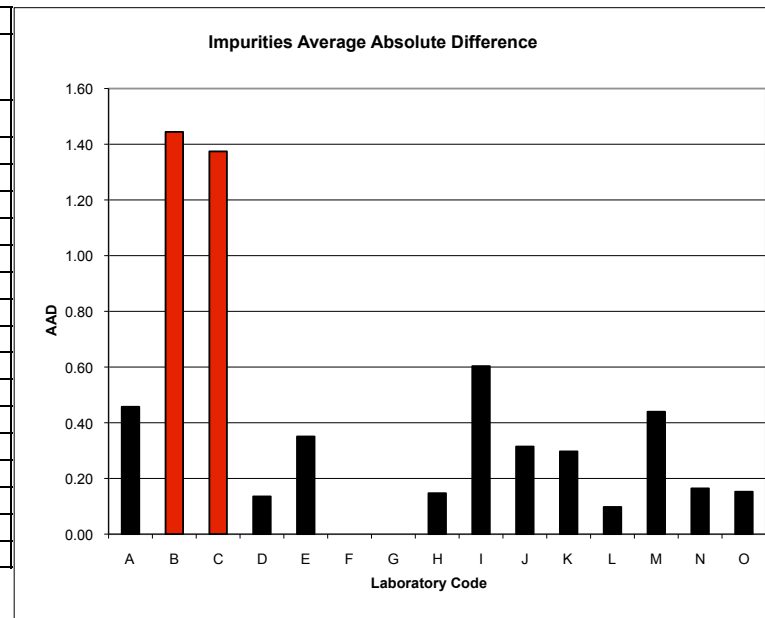
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Test Weight kg/hl								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	67.80	0.23	68.00	-0.37	67.20	0.00	-0.05	0.20
B	68.75	1.18	70.25	1.88	67.00	-0.20	0.95	1.09
C	68.29	0.72	70.28	1.91	67.44	0.24	0.96	0.96
D	66.82	-0.75	69.36	0.99	59.84	-7.36	-2.37	3.04
E	67.10	-0.47	67.40	-0.97	66.90	-0.30	-0.58	0.58
F								
G								
H	67.35	-0.22	69.30	0.93	67.80	0.60	0.44	0.59
I	67.15	-0.42	67.75	-0.62	67.05	-0.15	-0.38	0.38
J	67.79	0.22	68.33	-0.04	67.11	-0.09	0.03	0.12
K	67.00	-0.57	67.00	-1.37	67.00	-0.20	-0.71	0.71
L								
M	67.05	-0.52	66.70	-1.67	66.35	-0.85	-1.01	1.01
N	67.75	0.17	67.98	-0.39	67.28	0.08	-0.05	0.21
O	68.05	0.48	68.05	-0.32	68.42	1.22	0.46	0.67
Q								
MEAN	67.57		68.37		67.20			0.80
STDEV	0.59		1.18		0.28			



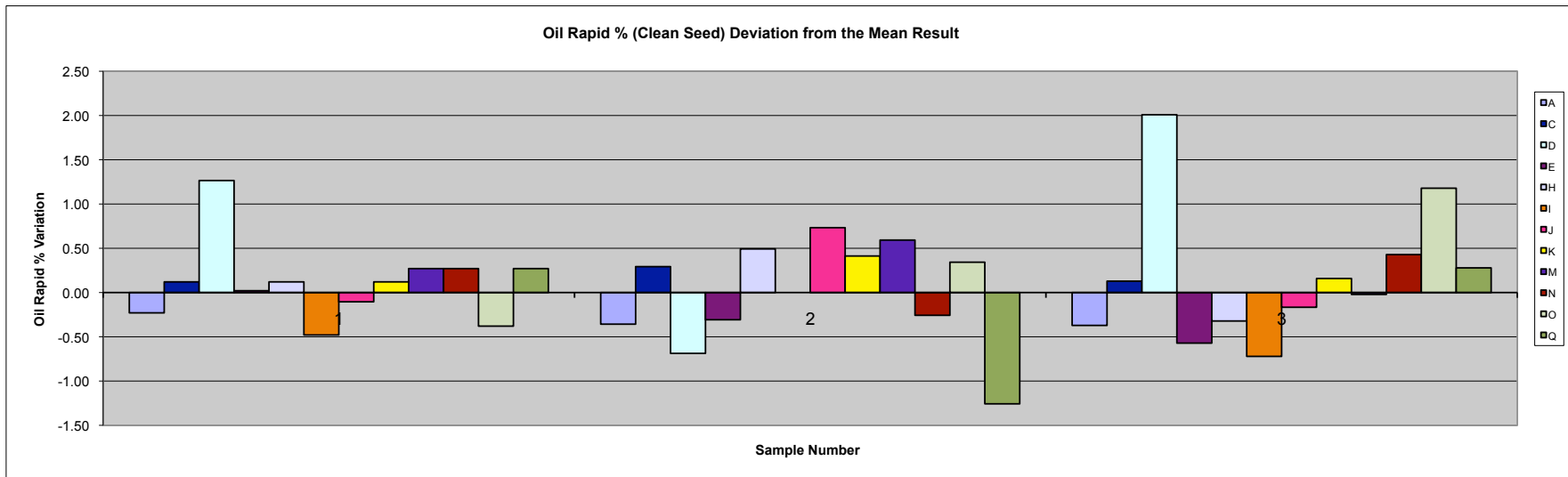
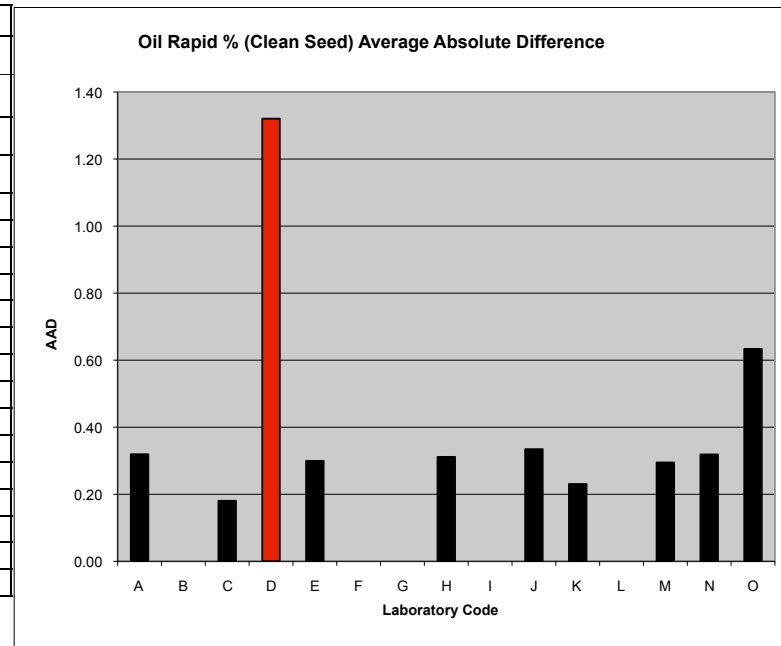
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Impurities %								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	1.85	-0.47	2.05	-0.80	0.00	-0.11	-0.46	0.46
B	2.61	0.29	6.83	3.98	0.17	0.07	1.44	1.44
C	4.25	1.93	4.94	2.08	0.22	0.11	1.37	1.37
D	2.61	0.29	2.78	-0.07	0.15	0.05	0.09	0.14
E	1.94	-0.38	2.22	-0.63	0.15	0.04	-0.32	0.35
F								
G								
H	2.60	0.28	2.70	-0.15	0.10	-0.01	0.04	0.15
I	2.20	-0.12	1.65	-1.20	0.10	-0.01	-0.60	0.60
J	2.03	-0.29	3.43	0.57	0.19	0.08	0.12	0.31
K	2.55	0.23	2.20	-0.65	0.10	-0.01	-0.14	0.30
L	2.54	0.22	2.89	0.04	0.07	-0.04	0.07	0.10
M	2.00	-0.32	3.85	1.00	0.10	-0.01	0.23	0.44
N	2.62	0.30	2.97	0.11	0.03	-0.08	0.11	0.16
O	2.26	-0.06	2.56	-0.30	0.00	-0.11	-0.15	0.15
Q								
MEAN	2.32		2.85		0.11			0.46
STDEV	0.30		1.34		0.07			



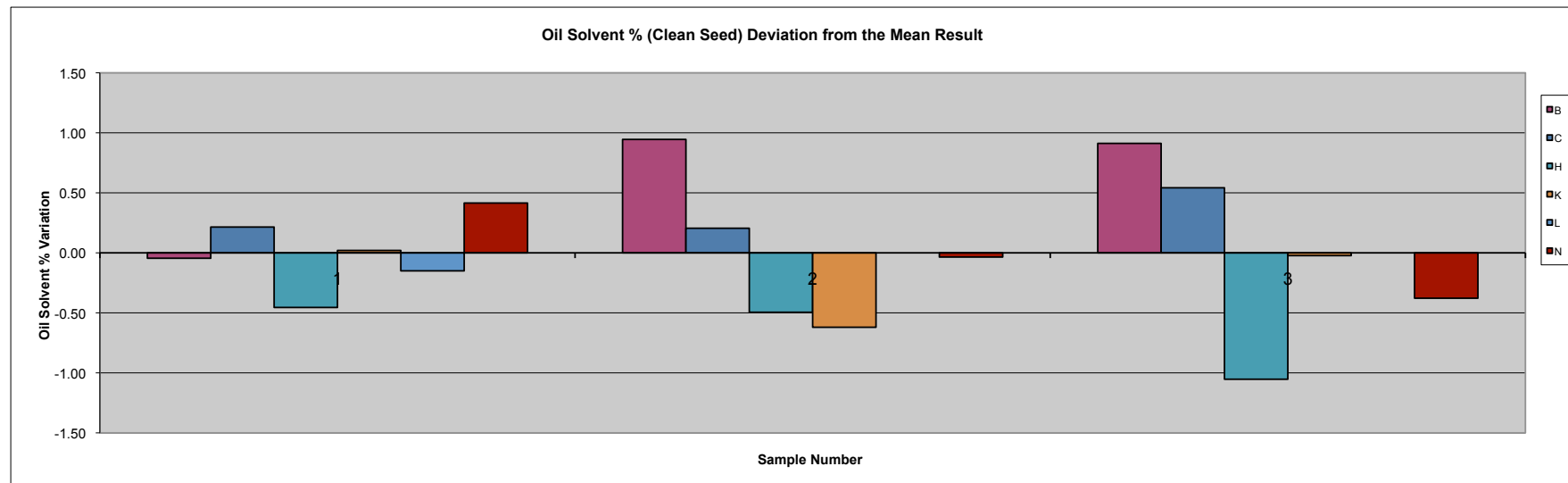
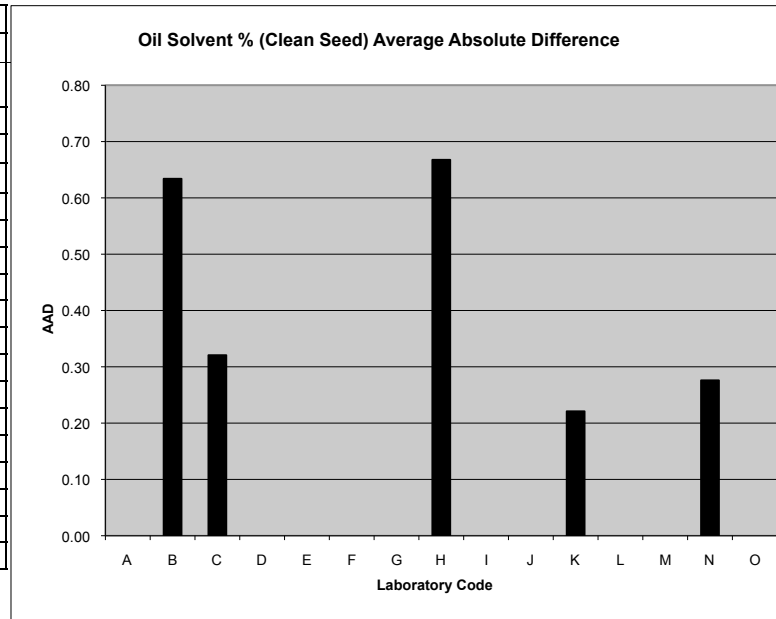
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Oil Rapid % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	42.20	-0.23	33.40	-0.36	46.75	-0.37	-0.32	0.32
B								
C	42.55	0.12	34.05	0.29	47.25	0.13	0.18	0.18
D	43.70	1.27	33.07	-0.69	49.13	2.01	0.86	1.32
E	42.45	0.02	33.45	-0.31	46.55	-0.57	-0.29	0.30
F								
G								
H	42.55	0.12	34.25	0.49	46.80	-0.32	0.10	0.31
I	41.95	-0.48			46.40	-0.72		
J	42.33	-0.10	34.49	0.73	46.96	-0.17	0.15	0.33
K	42.55	0.12	34.17	0.41	47.28	0.16	0.23	0.23
L								
M	42.70	0.27	34.35	0.59	47.10	-0.02	0.28	0.29
N	42.70	0.27	33.50	-0.26	47.55	0.43	0.15	0.32
O	42.05	-0.38	34.10	0.34	48.30	1.18	0.38	0.63
Q	42.70	0.27	32.50	-1.26	47.40	0.28	-0.24	0.60
<b>MEAN</b>	<b>42.43</b>		<b>33.76</b>		<b>47.12</b>			<b>0.44</b>
<b>STDEV</b>	<b>0.26</b>		<b>0.62</b>		<b>0.53</b>			



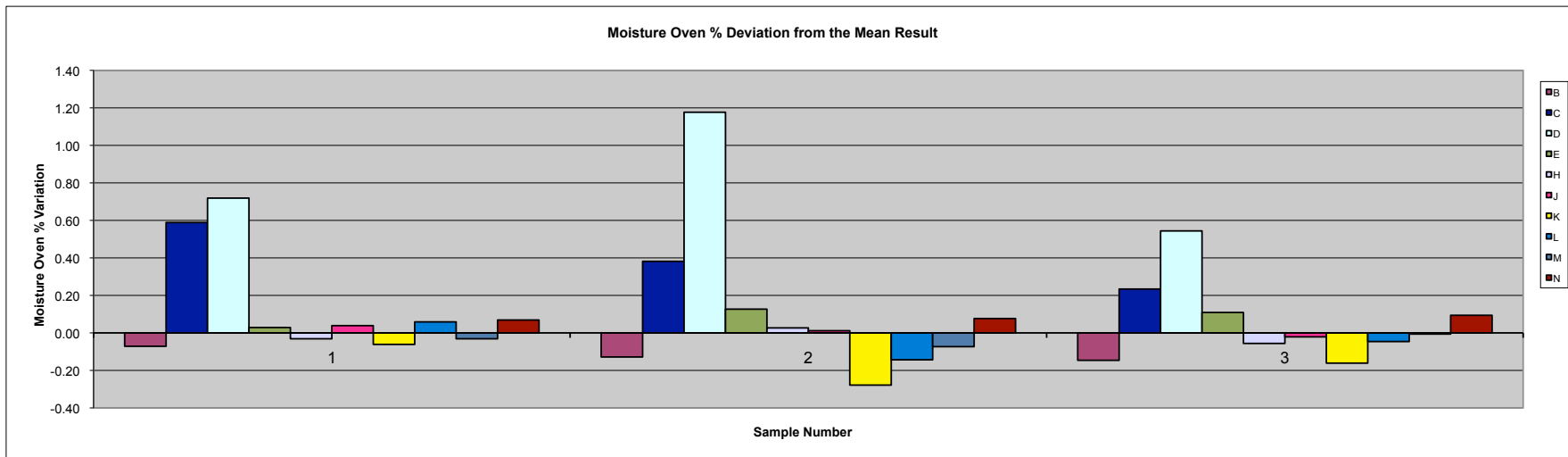
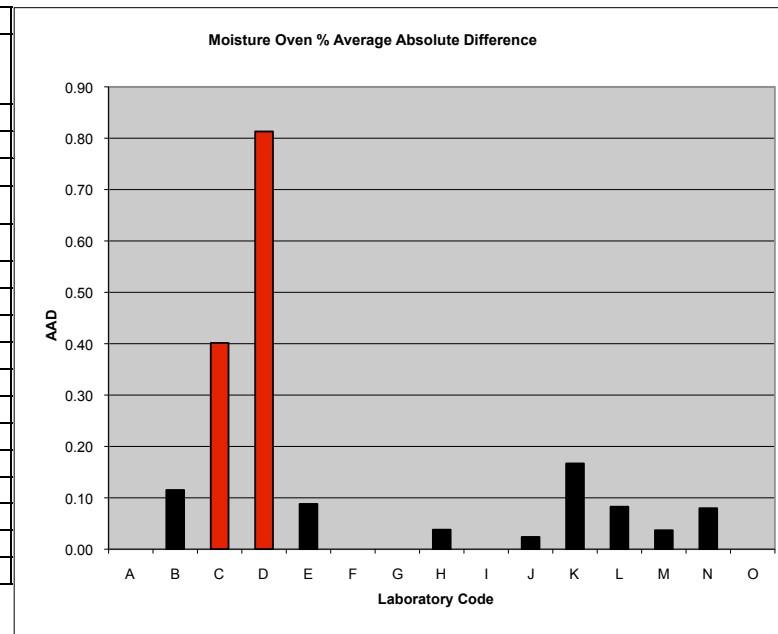
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Oil Solvent % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	42.11	-0.05	34.39	0.95	48.42	0.91	0.60	0.63
C	42.37	0.22	33.65	0.21	48.05	0.54	0.32	0.32
D								
E								
F								
G								
H	41.70	-0.45	32.95	-0.49	46.45	-1.05	-0.67	0.67
I								
J								
K	42.18	0.02	32.83	-0.62	47.48	-0.02	-0.21	0.22
L	42.01	-0.15						
M								
N	42.57	0.41	33.41	-0.04	47.13	-0.38	0.00	0.28
O								
Q								
<b>MEAN</b>	<b>42.16</b>		<b>33.45</b>		<b>47.50</b>			<b>0.42</b>
<b>STDEV</b>	<b>0.30</b>		<b>0.63</b>		<b>0.77</b>			



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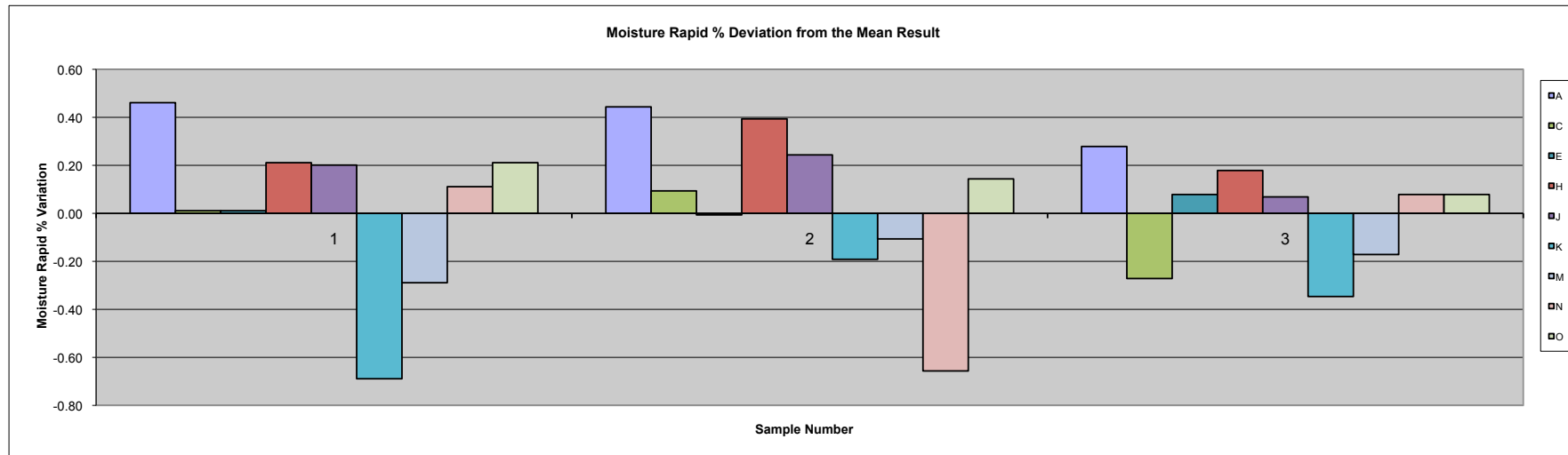
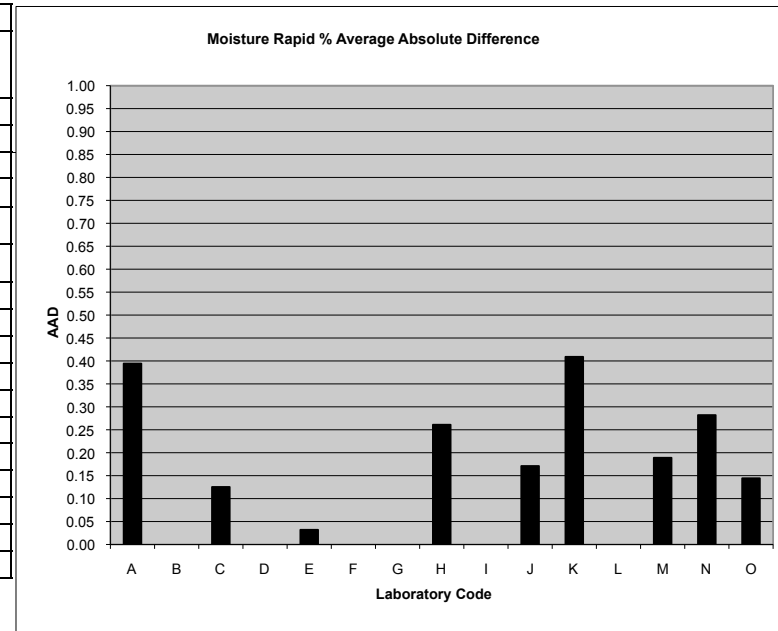
Moisture Oven % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	4.96	-0.07	7.25	-0.13	5.66	-0.15	-0.12	0.12
C	5.62	0.59	7.76	0.38	6.04	0.23	0.40	0.40
D	5.75	0.72	8.55	1.18	6.35	0.54	0.81	0.81
E	5.06	0.03	7.50	0.13	5.92	0.11	0.09	0.09
F								
G								
H	5.00	-0.03	7.40	0.03	5.75	-0.06	-0.02	0.04
I								
J	5.07	0.04	7.39	0.01	5.79	-0.02	0.01	0.02
K	4.97	-0.06	7.10	-0.28	5.65	-0.16	-0.17	0.17
L	5.09	0.06	7.23	-0.14	5.76	-0.05	-0.04	0.08
M	5.00	-0.03	7.30	-0.07	5.80	-0.01	-0.04	0.04
N	5.10	0.07	7.45	0.08	5.90	0.09	0.08	0.08
O								
Q								
MEAN	5.03		7.37		5.81			0.18
STDEV	0.06		0.19		0.13			





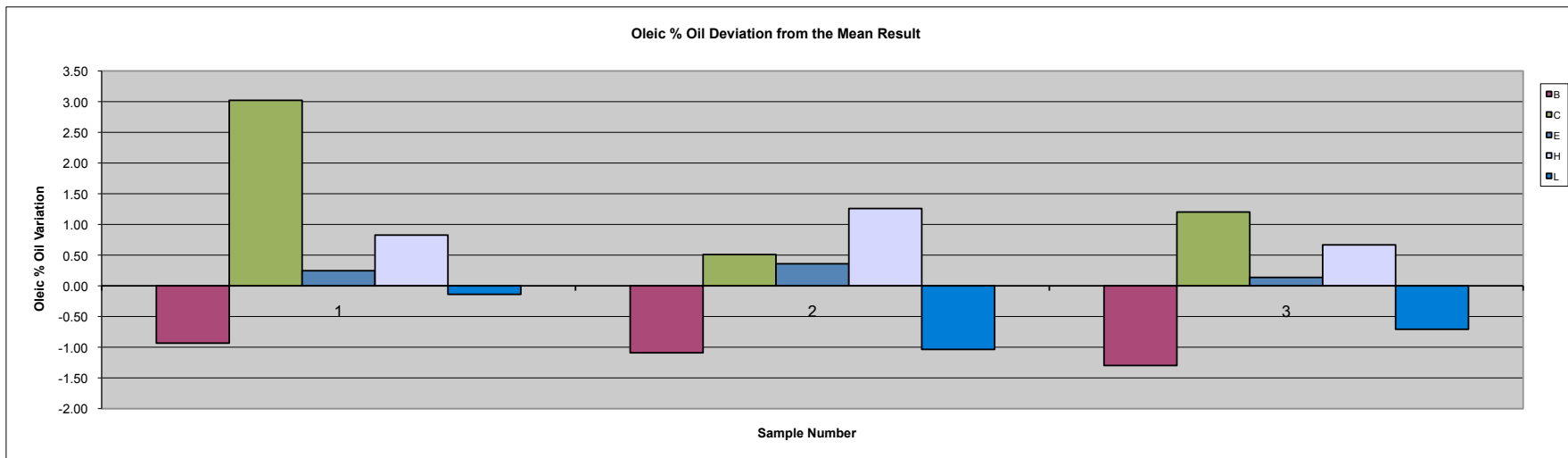
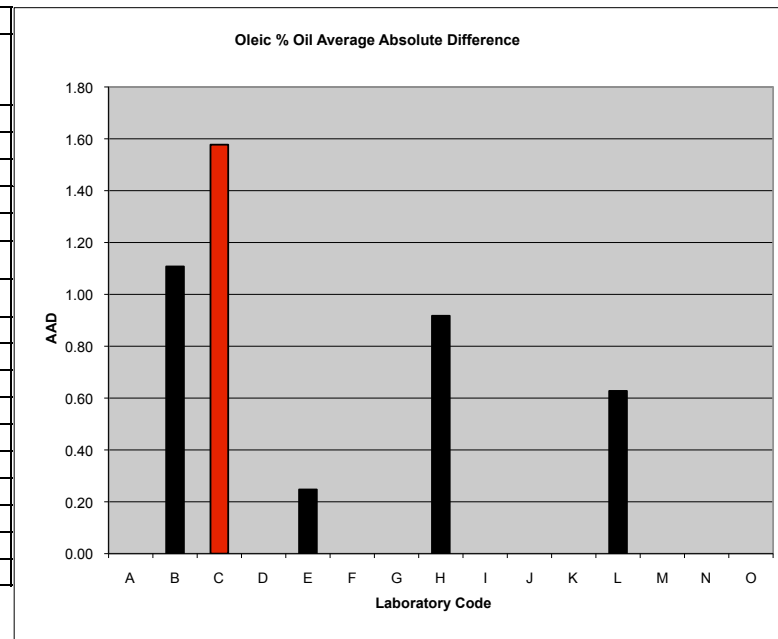
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Moisture Rapid % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	5.75	0.46	8.15	0.44	6.15	0.28	0.39	0.39
B								
C	5.30	0.01	7.80	0.09	5.60	-0.27	-0.06	0.13
D								
E	5.30	0.01	7.70	-0.01	5.95	0.08	0.03	0.03
F								
G								
H	5.50	0.21	8.10	0.39	6.05	0.18	0.26	0.26
I								
J	5.49	0.20	7.95	0.24	5.94	0.07	0.17	0.17
K	4.60	-0.69	7.52	-0.19	5.53	-0.35	-0.41	0.41
L								
M	5.00	-0.29	7.60	-0.11	5.70	-0.17	-0.19	0.19
N	5.40	0.11	7.05	-0.66	5.95	0.08	-0.16	0.28
O	5.50	0.21	7.85	0.14	5.95	0.08	0.14	0.14
Q	5.05	-0.24	7.35	-0.36	5.90	0.03	-0.19	0.21
<b>MEAN</b>	<b>5.29</b>		<b>7.71</b>		<b>5.87</b>			<b>0.22</b>
<b>STDEV</b>	<b>0.33</b>		<b>0.34</b>		<b>0.20</b>			



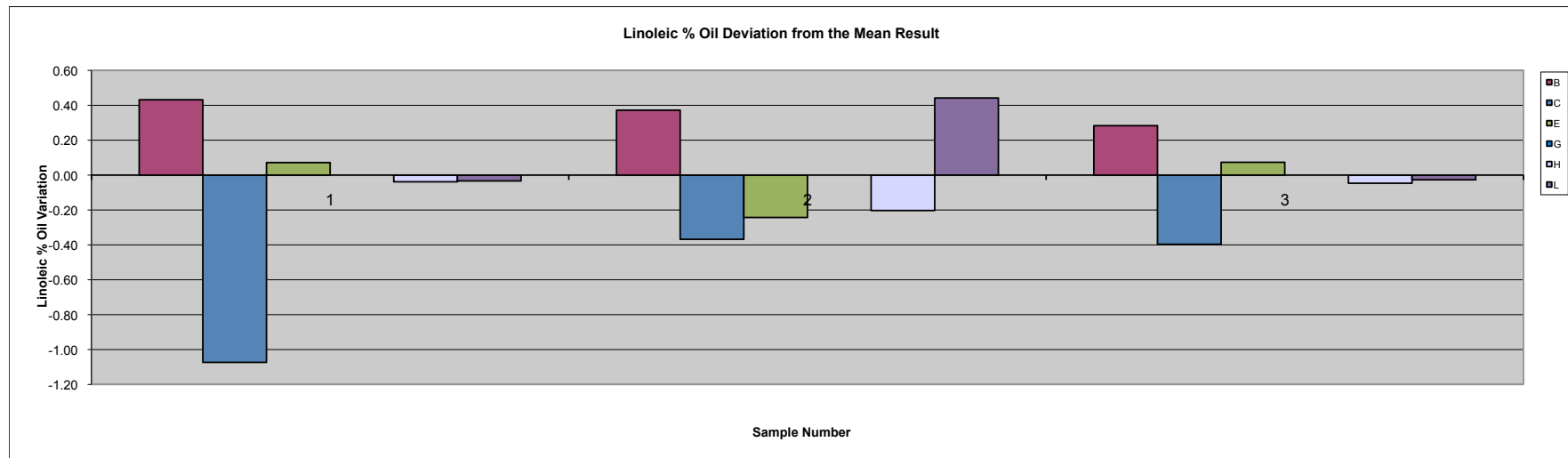
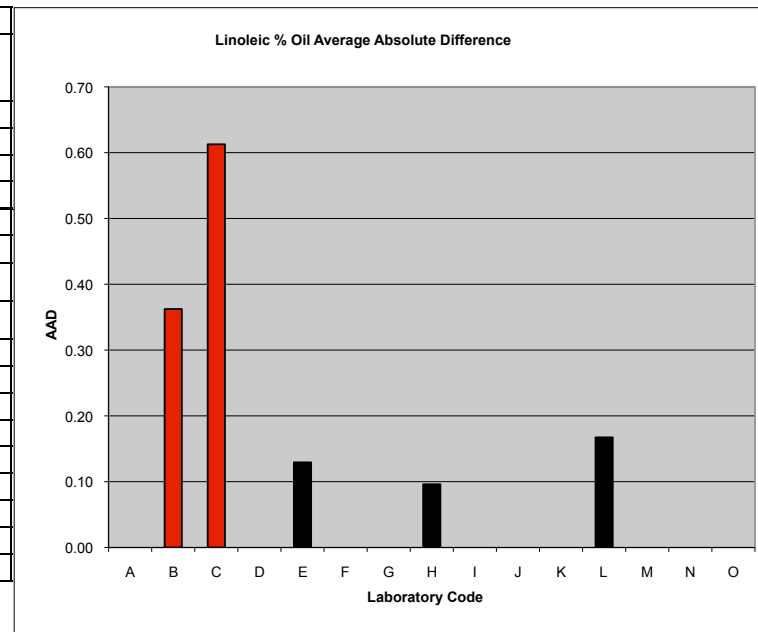
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Oleic % Oil Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	62.29	-0.93	58.90	-1.09	62.54	-1.30	-1.11	1.11
C	66.25	3.02	60.50	0.51	65.04	1.20	1.58	1.58
D								
E	63.47	0.25	60.35	0.36	63.97	0.14	0.25	0.25
F								
G								
H	64.05	0.83	61.25	1.26	64.50	0.67	0.92	0.92
I								
J								
K								
L	63.09	-0.14	58.96	-1.04	63.13	-0.71	-0.63	0.63
M								
N								
O								
Q								
<b>MEAN</b>	<b>63.22</b>		<b>59.99</b>		<b>63.83</b>			<b>0.90</b>
<b>STDEV</b>	<b>0.74</b>		<b>1.03</b>		<b>1.01</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	18.92	0.43	21.93	0.37	18.63	0.28	0.36	0.36
C	17.42	-1.07	21.19	-0.37	17.95	-0.40	-0.61	0.61
D								
E	18.56	0.07	21.31	-0.24	18.42	0.07	-0.03	0.13
F								
G								
H	18.45	-0.04	21.35	-0.20	18.30	-0.05	-0.10	0.10
I								
J								
K								
L	18.46	-0.03	22.00	0.44	18.32	-0.03	0.13	0.17
M								
N								
O								
Q								
<b>MEAN</b>	<b>18.49</b>		<b>21.55</b>		<b>18.35</b>			<b>0.27</b>
<b>STDEV</b>	<b>0.06</b>		<b>0.38</b>		<b>0.06</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	0.11	-0.09	0.90	-0.18	0.13	-0.11	-0.13	0.13
C								
D								
E	0.46	0.26	1.45	0.37	0.42	0.18	0.27	0.27
F								
G								
H	0.13	-0.07	0.89	-0.19	0.29	0.06	-0.07	0.10
I								
J								
K	0.11	-0.09	1.01	-0.07	0.14	-0.10	-0.08	0.08
L	0.19	-0.01	1.15	0.07	0.20	-0.03	0.01	0.04
M								
N								
O								
Q								
MEAN	0.20		1.08		0.23			0.12
STDEV	0.15		0.23		0.12			

