



**2013 AOF Test Check Program  
Monthly Report  
Round 10  
October- 2013  
01/10/2013 – 01/11/2013**

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**Result Receival Dates**

<b>Lab Code</b>	<b>Date</b>
<b>A</b>	11/10/2013
<b>B</b>	30/10/2013
<b>C</b>	01/11/2013
<b>D</b>	31/10/2013
<b>E</b>	16/10/2013
<b>F</b>	29/10/2013
<b>G</b>	18/10/2013
<b>H</b>	25/10/2013
<b>I</b>	25/10/2013
<b>J</b>	29/10/2013
<b>K</b>	16/10/2013
<b>L</b>	18/10/2013
<b>M</b>	23/10/2013
<b>N</b>	09/10/2013
<b>O</b>	01/11/2013

**Discussion of Results**

***Test Weight***

No Outliers were identified for this test method.

***Impurities***

Sample 1 – One outlier was identified for Lab **C** where results were found at the upper quartile limit – 2.72%.

Sample 2 – No outliers were observed.

Sample 3 – No outliers were observed.

***Oil Rapid***

Sample 1 – No outliers were observed.

Sample 2 – One outlier was identified for Lab **D** with a 0.93 of a percent discrepancy from the upper quartile limit (46.71%).

Sample 3 – No outliers were observed.



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***Oil Solvent Extraction***

Sample 1 – One outlier was identified for Lab **K** with a 0.17 of a percent discrepancy from the upper quartile limit (40.74%).

Sample 2 – No outliers were observed.

Sample 3 – No outliers were observed.

***Moisture Oven***

Sample 1 – No outliers were observed.

Sample 2 – Outliers were identified for Lab **D** and **E**. Lab D results were 0.23 of a percent discrepancy from the lower quartile limit (5.58%). Lab H results were 0.91 of a percent discrepancy from the upper quartile limit (6.18%).

Sample 3 – One outlier was identified for Lab **E** with a 0.02 of a percent discrepancy from the upper quartile limit (5.85%).

***Moisture Rapid***

No Outliers were identified for this test method.

***Oleic Oil***

Sample 1 – One outlier was identified for Lab **H** with a 1.70 of a percent discrepancy from the upper quartile limit (69.10%).

Sample 2 – One outlier was identified for Lab **H** with a 1.30 of a percent discrepancy from the upper quartile limit (65.95%).

Sample 3 – One outlier was identified for Lab **H** with a 0.57 of a percent discrepancy from the upper quartile limit (68.88%).

***Linoleic Oil***

No Outliers were identified for this test method.

***Free Fatty Acid***

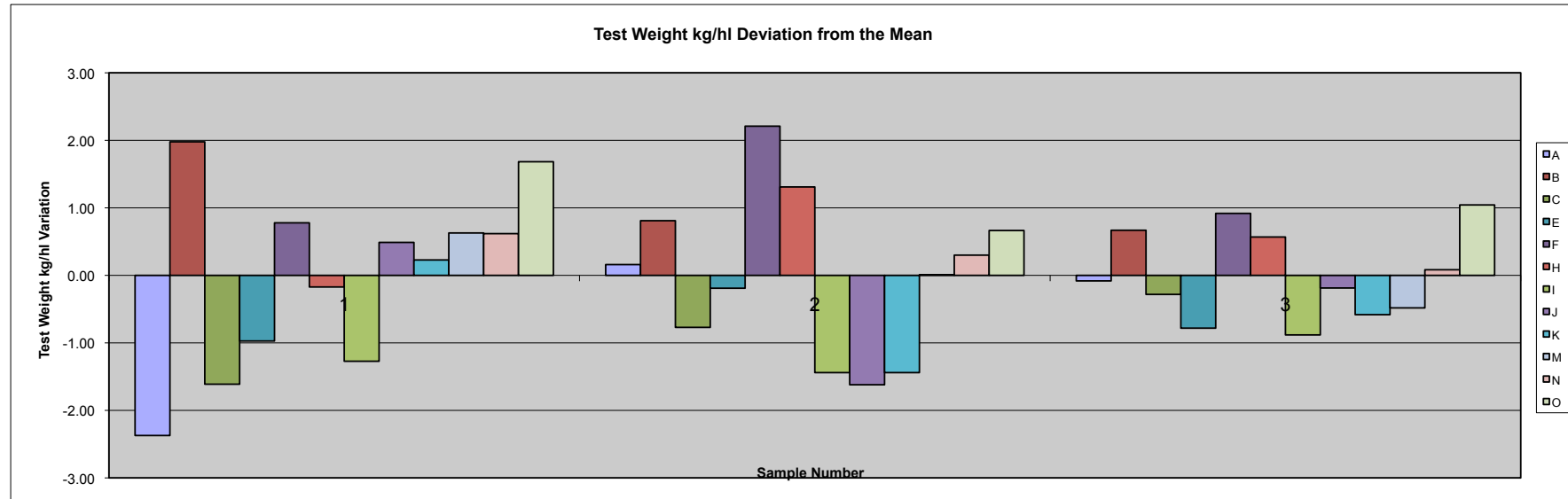
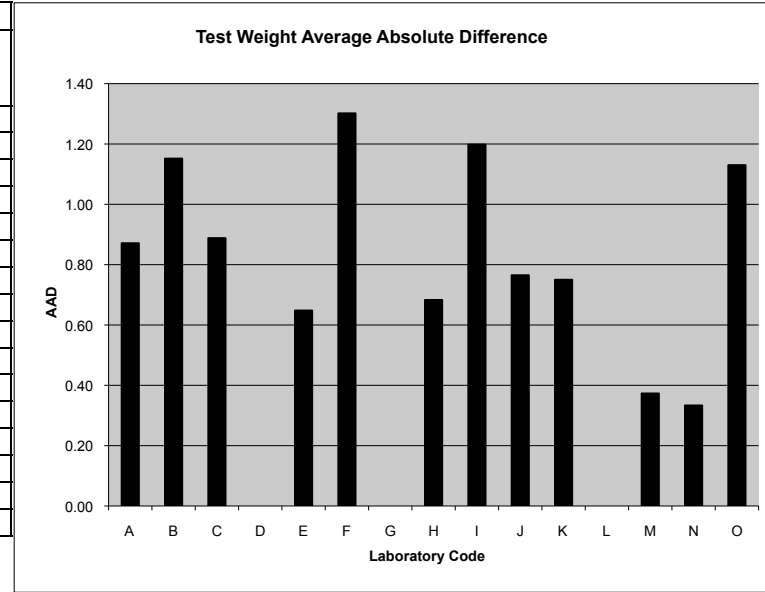
Sample 1 – Outliers were identified for Lab **C** and **E**. Lab C results were 0.11 of a percent discrepancy from the lower quartile limit (0.21%). Lab E results were 0.22 of a percent discrepancy from the upper quartile limit (0.45%).

Sample 2 – No outliers were observed.

Sample 3 – One outlier was identified for Lab **E** with a 0.05 of a percent discrepancy from the upper quartile limit (0.37%).

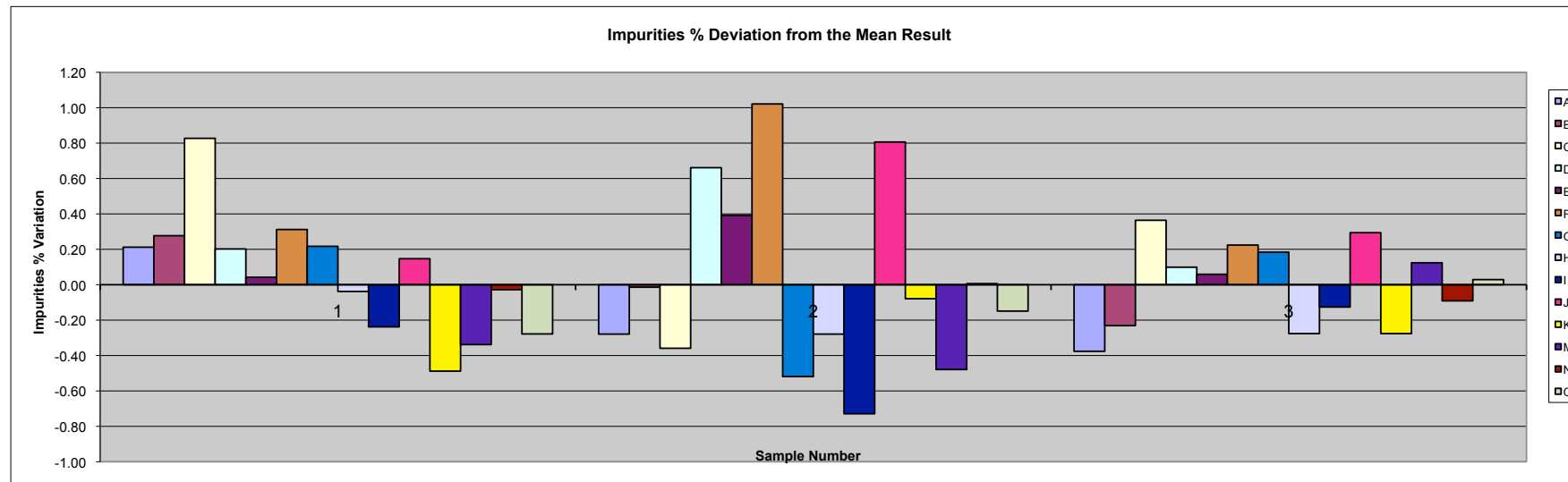
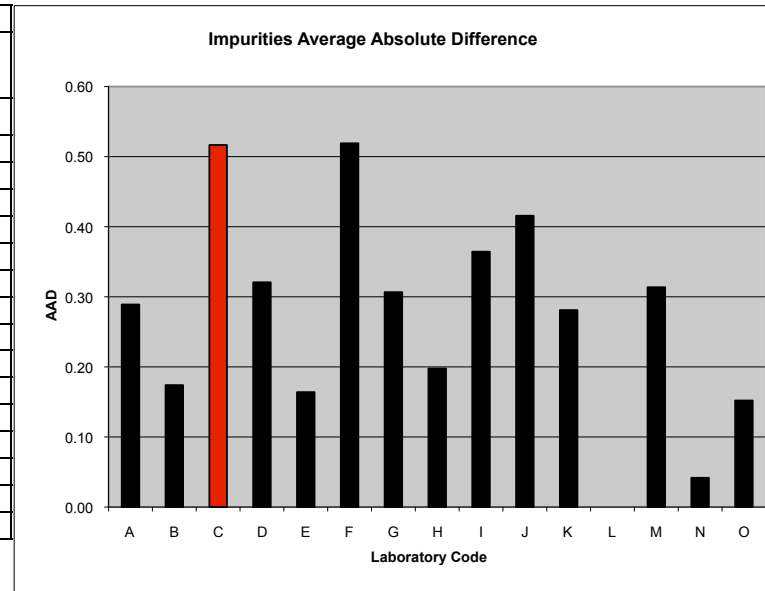
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Test Weight kg/hl								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	64.40	-2.37	65.60	0.16	65.50	-0.08	-0.76	0.87
B	68.75	1.98	66.25	0.81	66.25	0.67	1.15	1.15
C	65.16	-1.61	64.67	-0.77	65.30	-0.28	-0.89	0.89
D								
E	65.80	-0.97	65.25	-0.19	64.80	-0.78	-0.65	0.65
F	67.55	0.78	67.65	2.21	66.50	0.92	1.30	1.30
G								
H	66.60	-0.17	66.75	1.31	66.15	0.57	0.57	0.68
I	65.50	-1.27	64.00	-1.44	64.70	-0.88	-1.20	1.20
J	67.26	0.49	63.82	-1.62	65.40	-0.19	-0.44	0.77
K	67.00	0.23	64.00	-1.44	65.00	-0.58	-0.60	0.75
L								
M	67.40	0.63	65.45	0.01	65.10	-0.48	0.05	0.37
N	67.39	0.62	65.74	0.30	65.67	0.08	0.33	0.33
O	68.46	1.68	66.11	0.66	66.63	1.04	1.13	1.13
<b>MEAN</b>	<b>66.77</b>		<b>65.44</b>		<b>65.58</b>			<b>0.81</b>
<b>STDEV</b>	<b>1.32</b>		<b>1.18</b>		<b>0.66</b>			



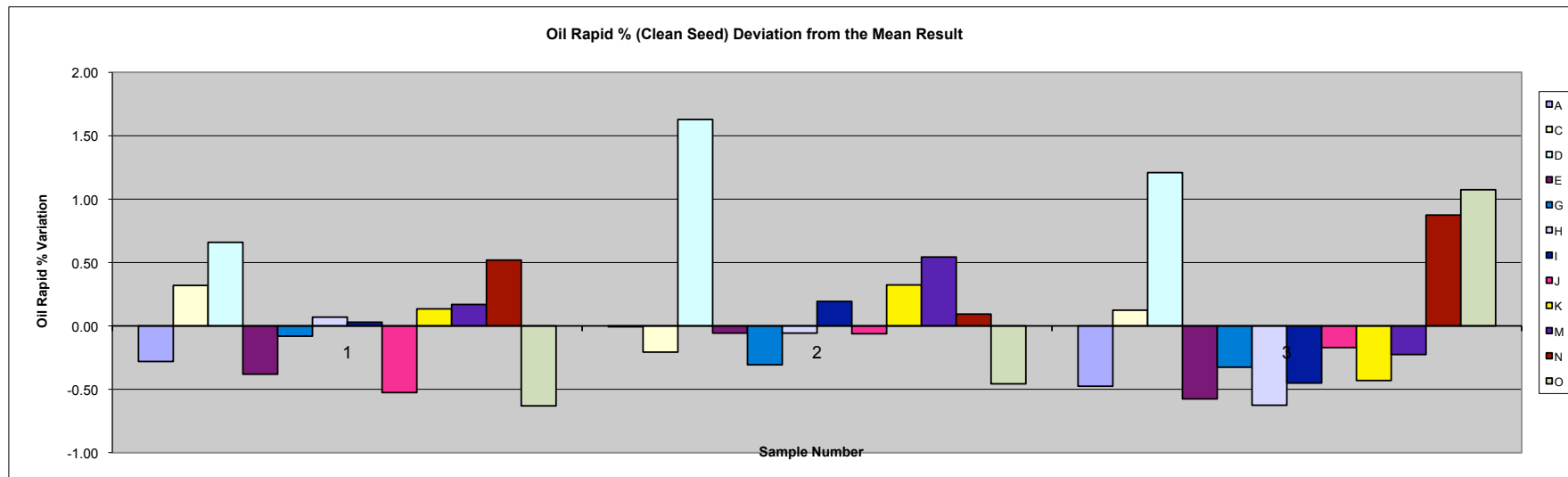
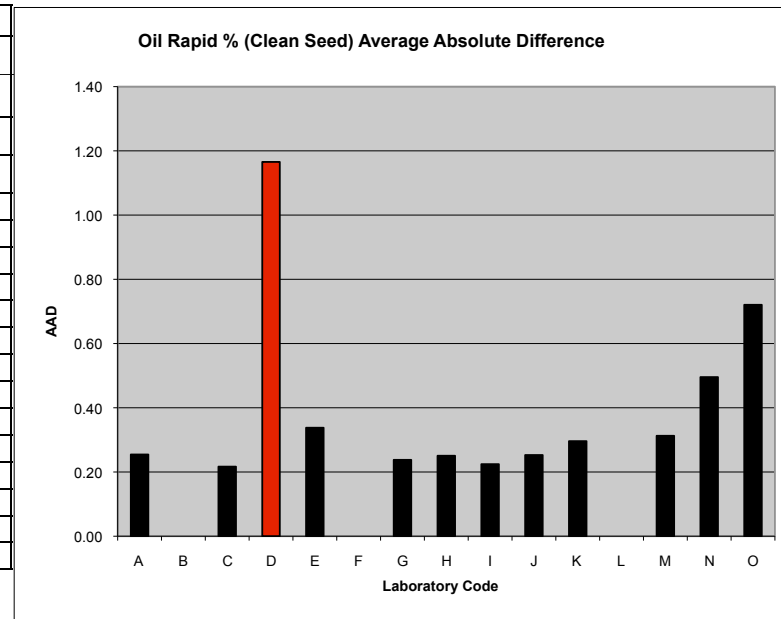
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Impurities %								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	2.10	0.21	1.50	-0.28	0.50	-0.38	-0.15	0.29
B	2.17	0.28	1.77	-0.01	0.65	-0.23	0.01	0.17
C	2.72	0.83	1.42	-0.36	1.24	0.36	0.28	0.52
D	2.09	0.20	2.44	0.66	0.98	0.10	0.32	0.32
E	1.93	0.04	2.17	0.39	0.94	0.06	0.16	0.16
F	2.20	0.31	2.80	1.02	1.10	0.22	0.52	0.52
G	2.11	0.22	1.26	-0.52	1.06	0.18	-0.04	0.31
H	1.85	-0.04	1.50	-0.28	0.60	-0.28	-0.20	0.20
I	1.65	-0.24	1.05	-0.73	0.75	-0.13	-0.36	0.36
J	2.04	0.15	2.59	0.81	1.17	0.29	0.42	0.42
K	1.40	-0.49	1.70	-0.08	0.60	-0.28	-0.28	0.28
L								
M	1.55	-0.34	1.30	-0.48	1.00	0.12	-0.23	0.31
N	1.86	-0.03	1.79	0.01	0.79	-0.09	-0.04	0.04
O	1.61	-0.28	1.63	-0.15	0.91	0.03	-0.13	0.15
<b>MEAN</b>	<b>1.89</b>		<b>1.78</b>		<b>0.88</b>			<b>0.30</b>
<b>STDEV</b>	<b>0.26</b>		<b>0.53</b>		<b>0.23</b>			



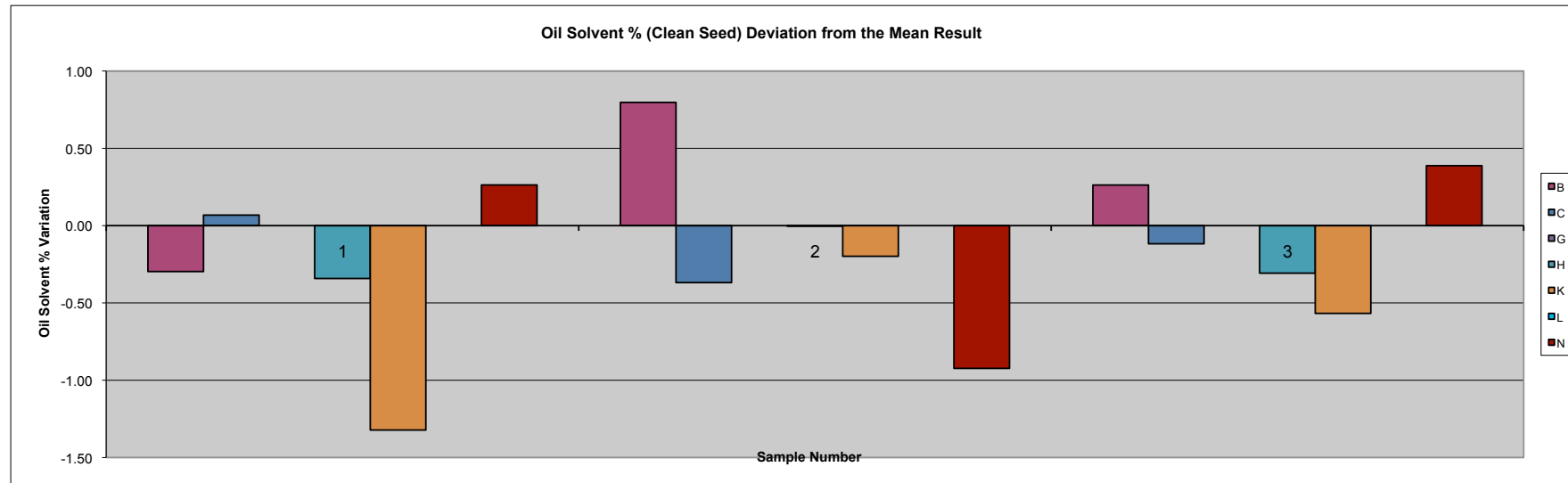
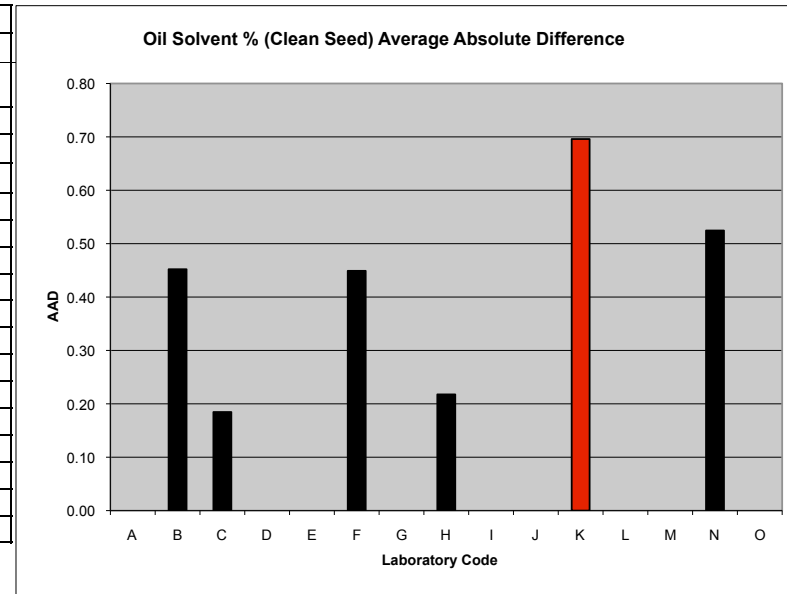
**2013 AOF Test Check Program  
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Oil Rapid % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	41.50	-0.28	46.00	-0.01	46.65	-0.48	-0.25	0.25
B								
C	42.10	0.32	45.80	-0.21	47.25	0.12	0.08	0.22
D	42.44	0.66	47.64	1.63	48.34	1.21	1.17	1.17
E	41.40	-0.38	45.95	-0.06	46.55	-0.58	-0.34	0.34
F								
G	41.70	-0.08	45.70	-0.31	46.80	-0.33	-0.24	0.24
H	41.85	0.07	45.95	-0.06	46.50	-0.63	-0.20	0.25
I	41.81	0.03	46.20	0.19	46.68	-0.45	-0.08	0.22
J	41.26	-0.53	45.95	-0.06	46.96	-0.17	-0.25	0.25
K	41.92	0.13	46.33	0.32	46.70	-0.43	0.01	0.30
L								
M	41.95	0.17	46.55	0.54	46.90	-0.23	0.16	0.31
N	42.30	0.52	46.10	0.09	48.00	0.87	0.50	0.50
O	41.15	-0.63	45.55	-0.46	48.20	1.07	0.00	0.72
<b>MEAN</b>	<b>41.78</b>		<b>46.01</b>		<b>47.13</b>			<b>0.37</b>
<b>STDEV</b>	<b>0.40</b>		<b>0.28</b>		<b>0.67</b>			



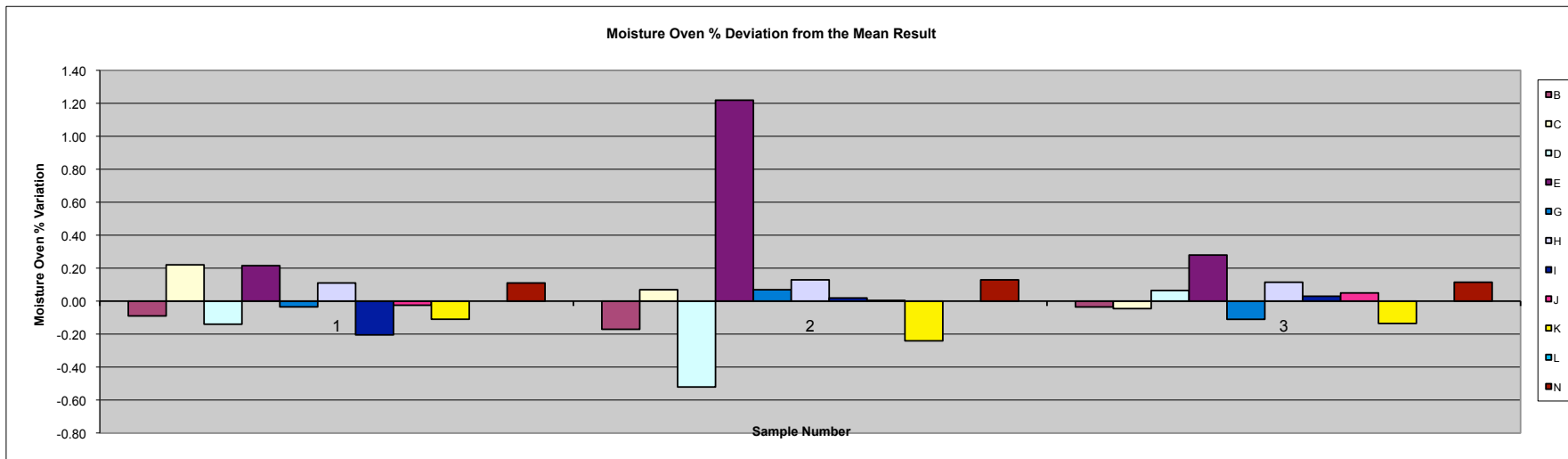
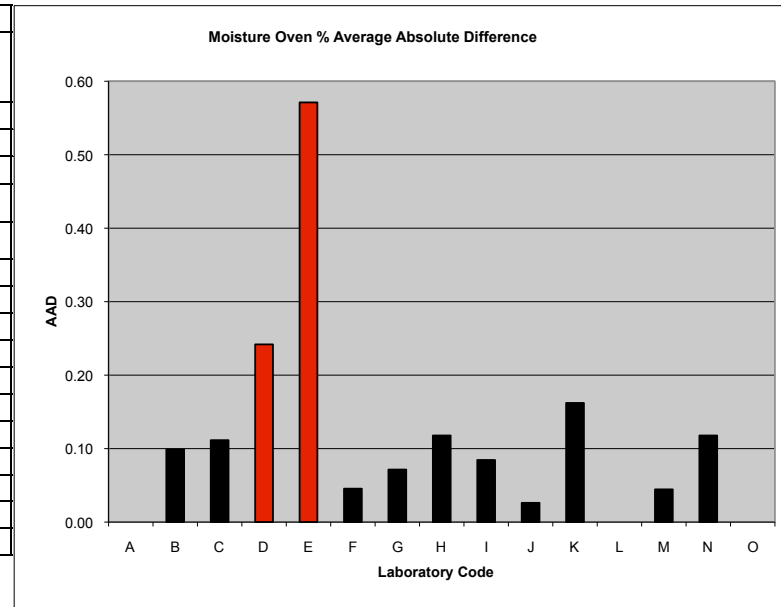
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Oil Solvent % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	41.60	-0.30	47.55	0.80	47.47	0.26	0.25	0.45
C	41.96	0.07	46.39	-0.37	47.09	-0.12	-0.14	0.18
D								
E								
F	42.20	0.31	47.45	0.70	47.55	0.34	0.45	0.45
G								
H	41.55	-0.34	46.75	0.00	46.90	-0.31	-0.22	0.22
I								
J								
K	40.57	-1.32	46.56	-0.20	46.64	-0.57	-0.70	0.70
L								
M								
N	42.16	0.26	45.83	-0.92	47.60	0.39	-0.09	0.52
O								
MEAN	41.89		46.75		47.21			0.42
STDEV	0.31		0.66		0.39			



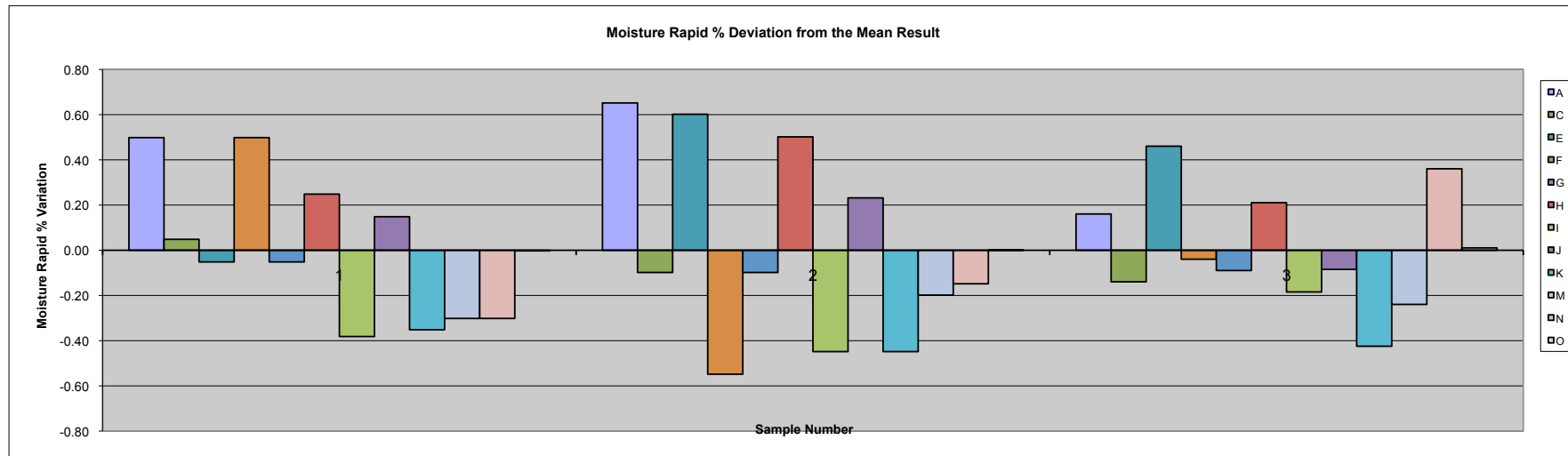
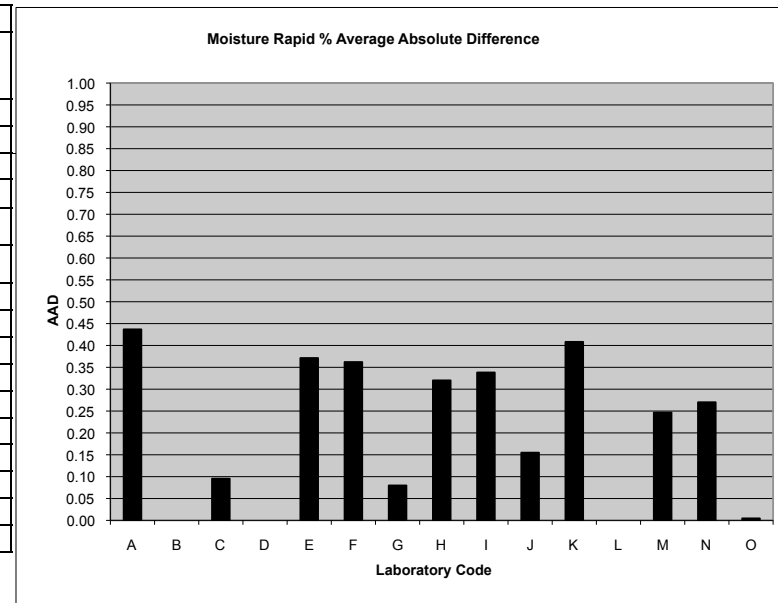
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Moisture Oven % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	6.70	-0.09	5.70	-0.17	5.55	-0.04	-0.10	0.10
C	7.01	0.22	5.94	0.07	5.54	-0.05	0.08	0.11
D	6.65	-0.14	5.35	-0.52	5.65	0.06	-0.20	0.24
E	7.01	0.22	7.09	1.22	5.87	0.28	0.57	0.57
F	6.83	0.04	5.84	-0.04	5.53	-0.06	-0.02	0.05
G	6.76	-0.03	5.94	0.07	5.48	-0.11	-0.03	0.07
H	6.90	0.11	6.00	0.13	5.70	0.11	0.12	0.12
I	6.59	-0.21	5.89	0.02	5.62	0.03	-0.05	0.08
J	6.77	-0.03	5.88	0.00	5.64	0.05	0.01	0.03
K	6.68	-0.11	5.63	-0.24	5.45	-0.14	-0.16	0.16
L								
M	6.70	-0.09	5.90	0.03	5.60	0.01	-0.02	0.04
N	6.90	0.11	6.00	0.13	5.70	0.11	0.12	0.12
O								
MEAN	6.79		5.87		5.59			0.14
STDEV	0.14		0.12		0.08			



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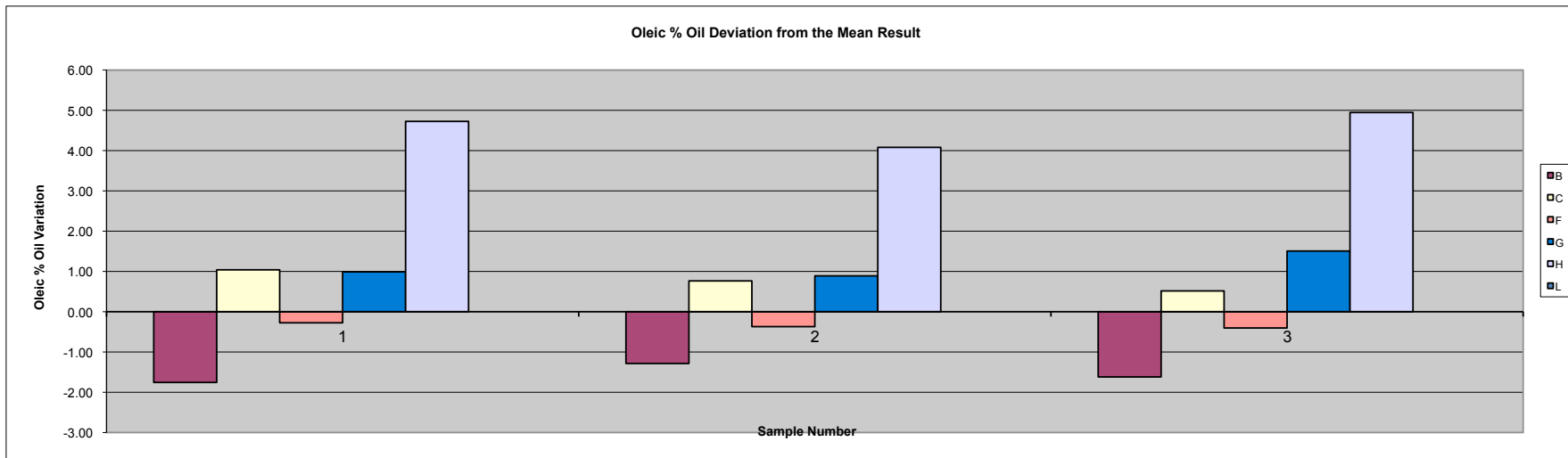
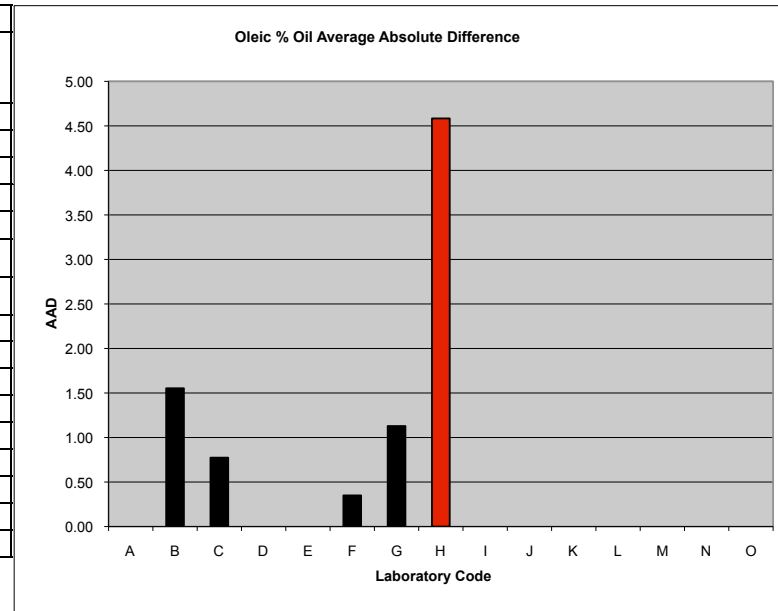
Moisture Rapid % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	7.65	0.50	7.20	0.65	5.75	0.16	0.44	0.44
B								
C	7.20	0.05	6.45	-0.10	5.45	-0.14	-0.06	0.10
D								
E	7.10	-0.05	7.15	0.60	6.05	0.46	0.34	0.37
F	7.65	0.50	6.00	-0.55	5.55	-0.04	-0.03	0.36
G	7.10	-0.05	6.45	-0.10	5.50	-0.09	-0.08	0.08
H	7.40	0.25	7.05	0.50	5.80	0.21	0.32	0.32
I	6.77	-0.38	6.10	-0.45	5.41	-0.18	-0.34	0.34
J	7.30	0.15	6.78	0.23	5.51	-0.08	0.10	0.15
K	6.80	-0.35	6.10	-0.45	5.17	-0.42	-0.41	0.41
L								
M	6.85	-0.30	6.35	-0.20	5.35	-0.24	-0.25	0.25
N	6.85	-0.30	6.40	-0.15	5.95	0.36	-0.03	0.27
O	7.15	0.00	6.55	0.00	5.60	0.01	0.00	0.00
<b>MEAN</b>	<b>7.15</b>		<b>6.55</b>		<b>5.59</b>			<b>0.26</b>
<b>STDEV</b>	<b>0.31</b>		<b>0.41</b>		<b>0.26</b>			





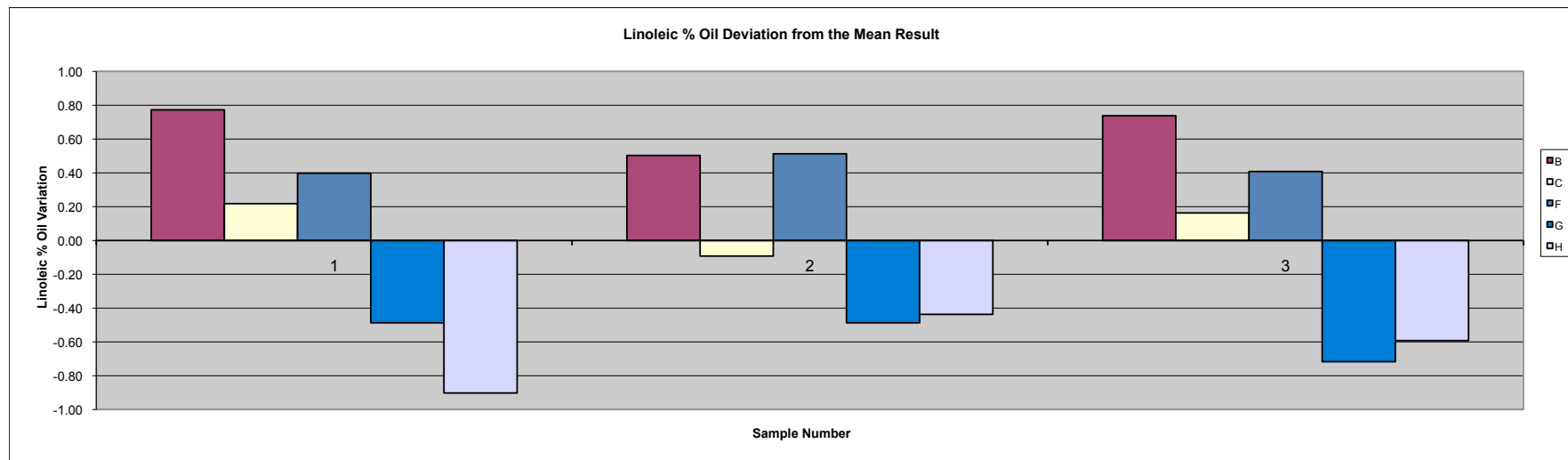
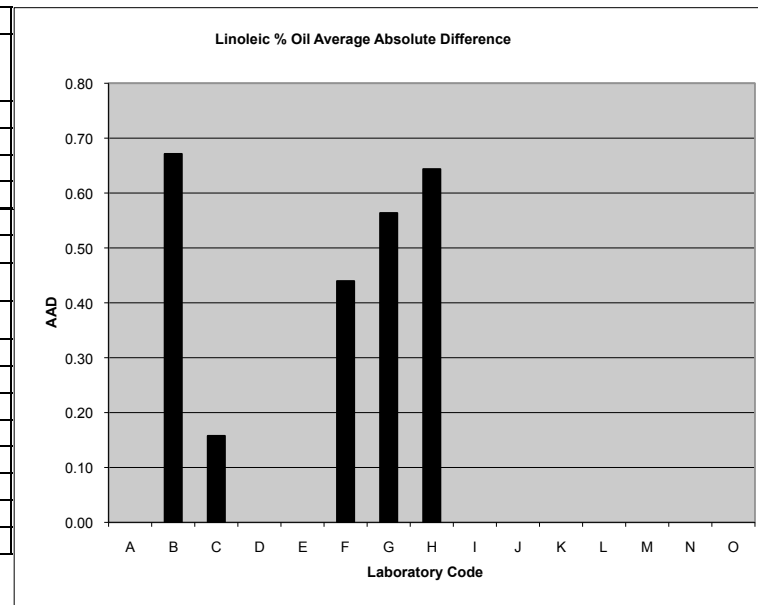
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Oleic % Oil Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	64.32	-1.76	61.89	-1.29	62.89	-1.62	-1.55	1.55
C	67.12	1.04	63.94	0.77	65.02	0.52	0.77	0.77
D								
E								
F	65.80	-0.28	62.80	-0.37	64.10	-0.40	-0.35	0.35
G	67.07	0.99	64.06	0.89	66.01	1.51	1.13	1.13
H	70.80	4.73	67.25	4.08	69.45	4.95	4.58	4.58
I								
J								
K								
L								
M								
N								
O								
MEAN	66.08		63.17		64.50			1.68
STDEV	1.32		1.03		1.33			



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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	18.88	0.77	20.94	0.50	18.58	0.74	0.67	0.67
C	18.32	0.22	20.35	-0.09	18.01	0.16	0.10	0.16
D								
E								
F	18.50	0.40	20.95	0.51	18.25	0.41	0.44	0.44
G	17.62	-0.49	19.95	-0.49	17.13	-0.72	-0.56	0.56
H	17.20	-0.90	20.00	-0.44	17.25	-0.59	-0.64	0.64
I								
J								
K								
L								
M								
N								
O								
<b>MEAN</b>	<b>18.10</b>		<b>20.44</b>		<b>17.84</b>			<b>0.50</b>
<b>STDEV</b>	<b>0.68</b>		<b>0.49</b>		<b>0.63</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	0.30	-0.03	0.39	-0.07	0.11	-0.06	-0.05	0.05
C	0.10	-0.22	0.30	-0.16	0.18	0.01	-0.12	0.13
D								
E	0.67	0.35	0.70	0.24	0.42	0.25	0.28	0.28
F	0.33	0.01	0.44	-0.02	0.18	0.01	0.00	0.01
G	0.39	0.07	0.59	0.13	0.27	0.10	0.10	0.10
H	0.30	-0.02	0.30	-0.16	0.13	-0.04	-0.07	0.07
I								
J								
K	0.30	-0.02	0.48	0.02	0.13	-0.04	-0.01	0.03
L								
M								
N								
O								
MEAN	0.32		0.46		0.17			0.10
STDEV	0.04		0.15		0.06			

