



**2012 AOF Test Check Program**  
**Monthly Report**  
**Round 9**  
**September 2012**  
01/09/2012 – 30/09/2012

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**Result Receiving Dates**

<b>Lab Code</b>	<b>Date</b>
<b>A</b>	12/09/2012
<b>B</b>	27/09/2012
<b>C</b>	04/10/2012
<b>D</b>	02/10/2012
<b>E</b>	19/09/2012
<b>F</b>	27/09/2012
<b>G</b>	28/09/2012
<b>H</b>	29/09/2012
<b>I</b>	12/09/2012
<b>J</b>	27/09/2012
<b>K</b>	24/09/2012
<b>L</b>	17/09/2012
<b>M</b>	05/10/2012
<b>N</b>	25/09/2012

**Discussion of Results**

***Test Weight***

Sample 1 – No outliers were observed.

Sample 2 – Outliers were identified for Lab **F** and **H**. Lab F results were 0.94 of a percent discrepancy from the upper (68.06%) quartile limit. Lab H results were 0.29 of a percent discrepancy from the upper (68.06%) quartile limit

Sample 3 – No outliers were observed.

***Impurities***

Sample 1 – No outliers were observed.

Sample 2 – No outliers were observed.

Sample 3 – Outliers were identified for Lab **H** and **M**. Lab H results were 0.02 of a percent discrepancy from the lower (0.73%) quartile limit. Lab M results were 2.88 of a percent discrepancy from the upper (2.53%) quartile limit



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***Oil Rapid***

Sample 1 – No outliers were observed.

Sample 2 – Outliers were identified for Lab **A** and **N**. Lab A results were 0.14 of a percent discrepancy from the lower (45.69%) quartile limit. Lab N results were 0.02 of a percent discrepancy from the upper (47.93%) quartile limit

Sample 3 – One outlier was identified for Lab **M** with a 0.43 percent discrepancy from the upper (44.03%) quartile limit.

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

Sample 1 – No outliers were observed.

Sample 2 – No outliers were observed.

Sample 3 – One outlier was identified for Lab **F** with a 0.04 percent discrepancy from the lower (41.49%) quartile limit.

***Oil Solvent Reference (AOCS Method Am 2-93 - FOSFA)***

No outliers were observed for this analysis.

***Moisture Oven***

Sample 1 – One outlier was identified for Lab **D** with a 0.16 percent discrepancy from the upper (6.64%) quartile limit.

Sample 2 – One outlier was identified for Lab **D** with a 0.30 percent discrepancy from the upper (5.41%) quartile limit.

Sample 3 – Outliers were identified for Lab **D** and **F**. Lab D results were 0.49 of a percent discrepancy from the upper (7.11%) quartile limit. Lab F results were 0.08 of a percent discrepancy from the lower (6.63%) quartile limit.

***Moisture Rapid***

Sample 1 – No outliers were observed.

Sample 2 – No outliers were observed.

Sample 3 – One outlier was identified for Lab **N** with a 0.08 percent discrepancy from the lower (6.43%) quartile limit.



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***Oleic Oil***

Sample 1 – One outlier was identified for Lab **B** with a 0.12 of a percent discrepancy from the lower (63 %) quartile limit.

Sample 2 – No outliers were observed.

Sample 3 – No outliers were observed.

***Linoleic Oil***

Sample 1 – Outliers were identified for Lab **C** and **H**. Lab C results were 0.12 of a percent discrepancy from the lower (18.40%) quartile limit. Lab H results were 0.14 of a percent discrepancy from the upper (19.36%) quartile limit

Sample 2 – One outlier was identified for Lab **C** with a 0.25 of a percent discrepancy from the lower (17.65%) quartile limit.

Sample 3 – No outliers were observed.

***Free Fatty Acid***

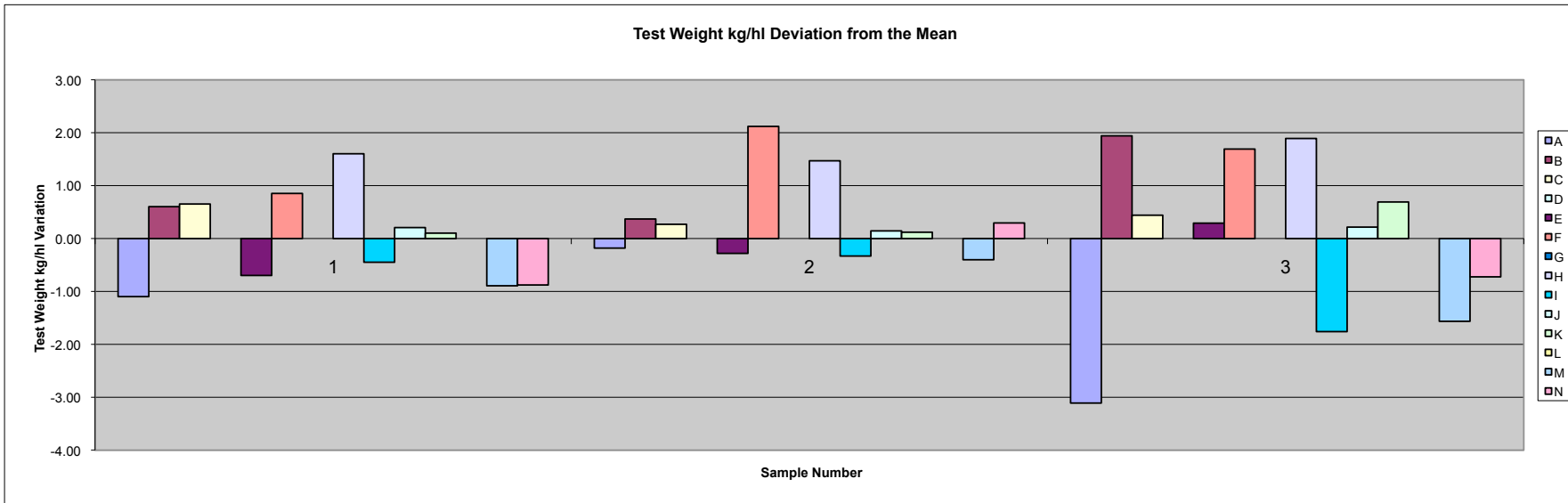
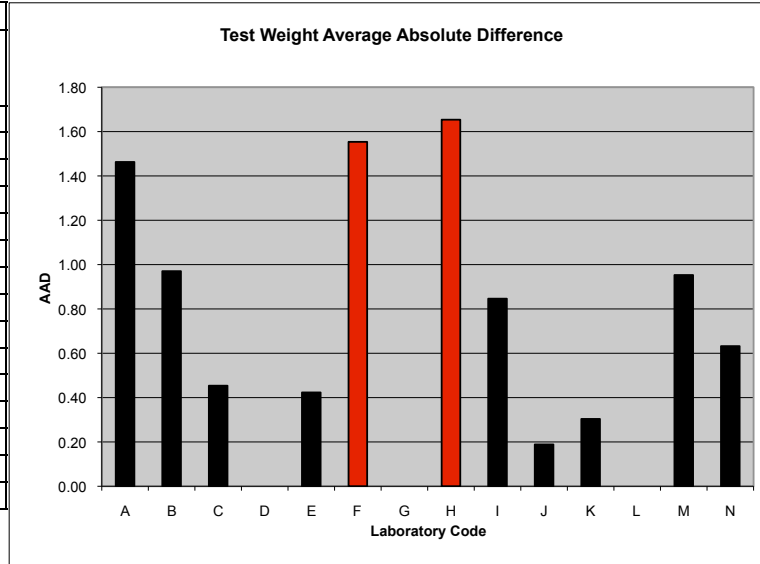
Sample 1 – One outlier was identified for Lab **E** with a 0.08 of a percent discrepancy from the upper (1.07%) quartile limit.

Sample 2 – No outliers were observed.

Sample 3 – No outliers were observed.

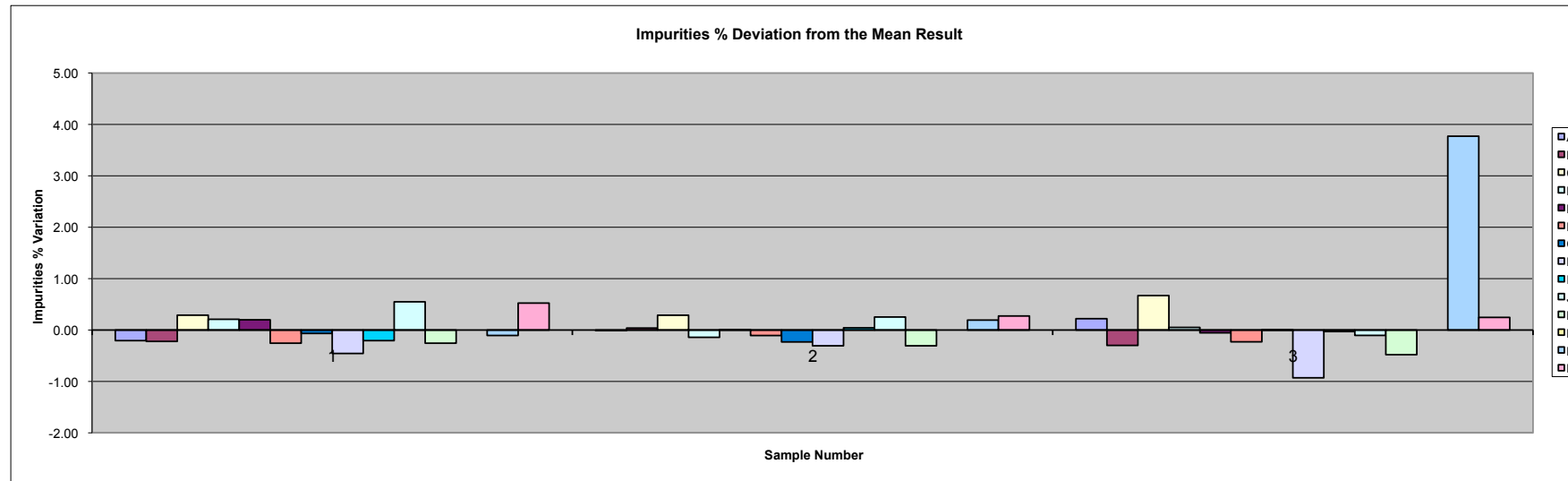
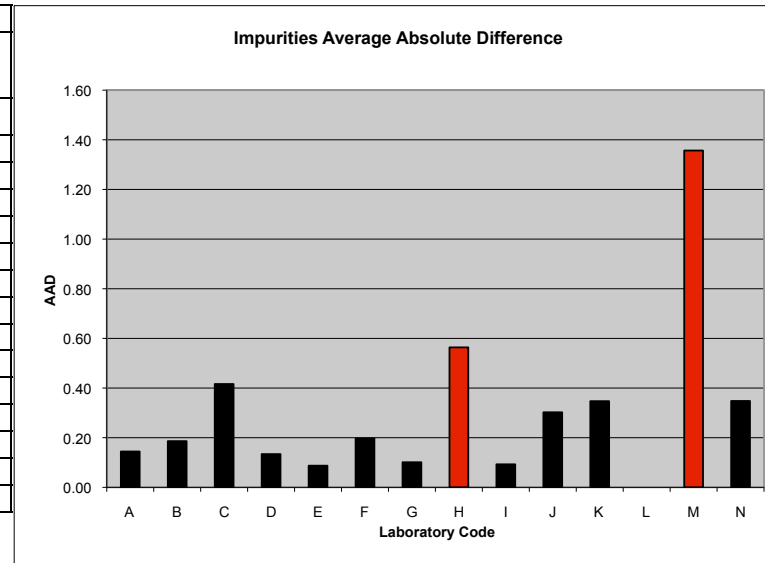
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Test Weight kg/hl								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	65.80	-1.10	66.70	-0.18	63.20	-3.11	-1.46	1.46
B	67.50	0.60	67.25	0.37	68.25	1.94	0.97	0.97
C	67.55	0.65	67.15	0.27	66.75	0.44	0.45	0.45
D								
E	66.20	-0.70	66.60	-0.28	66.60	0.29	-0.23	0.42
F	67.75	0.85	69.00	2.12	68.00	1.69	1.55	1.55
G								
H	68.50	1.60	68.35	1.47	68.20	1.89	1.65	1.65
I	66.45	-0.45	66.55	-0.33	64.55	-1.76	-0.85	0.85
J	67.11	0.21	67.03	0.14	66.53	0.22	0.19	0.19
K	67.00	0.10	67.00	0.12	67.00	0.69	0.30	0.30
L								
M	66.01	-0.89	66.48	-0.40	64.75	-1.56	-0.95	0.95
N	66.02	-0.88	67.18	0.29	65.59	-0.72	-0.44	0.63
MEAN	66.90		66.88		66.31			0.86
STDEV	0.87		0.30		1.64			



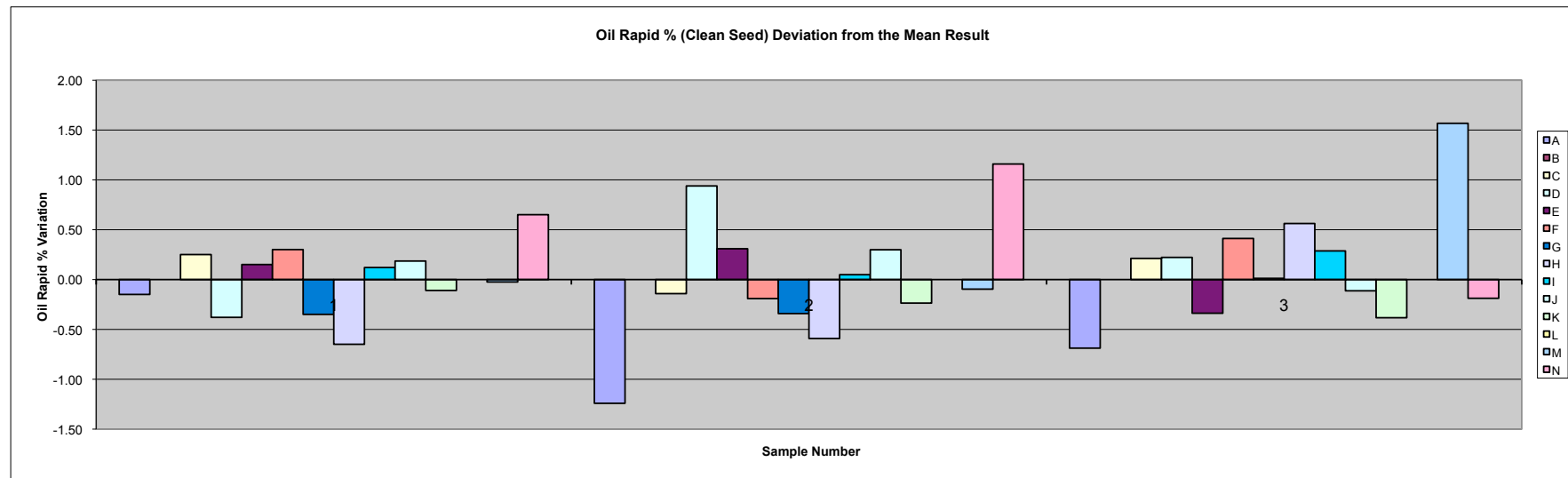
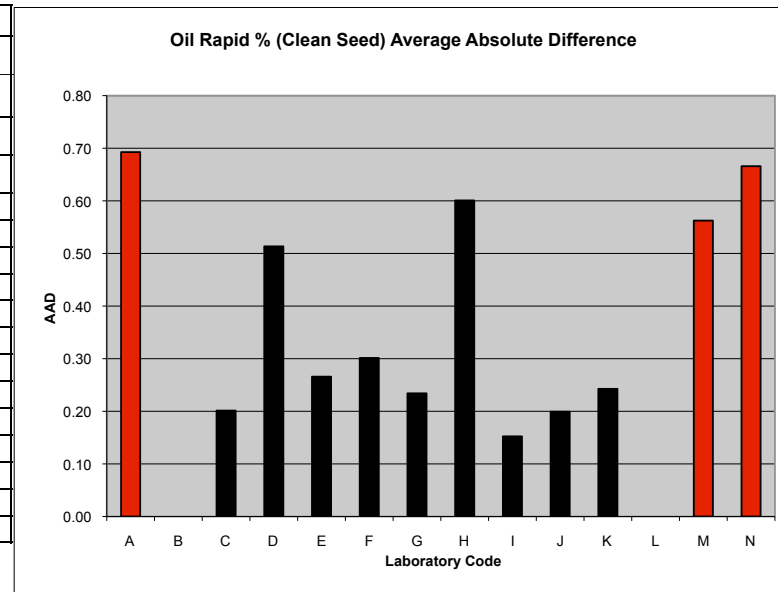
**2012 AOF Test Check Program  
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Impurities %								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	0.90	-0.21	0.60	-0.01	1.85	0.22	0.00	0.14
B	0.89	-0.22	0.65	0.04	1.33	-0.30	-0.16	0.19
C	1.40	0.29	0.90	0.29	2.30	0.67	0.42	0.42
D	1.32	0.21	0.47	-0.14	1.68	0.05	0.04	0.13
E	1.31	0.20	0.62	0.01	1.58	-0.05	0.05	0.09
F	0.85	-0.26	0.50	-0.11	1.40	-0.23	-0.20	0.20
G	1.04	-0.07	0.38	-0.23	1.64	0.01	-0.10	0.10
H	0.65	-0.46	0.30	-0.31	0.70	-0.93	-0.56	0.56
I	0.90	-0.21	0.65	0.04	1.60	-0.03	-0.06	0.09
J	1.66	0.55	0.86	0.25	1.53	-0.10	0.23	0.30
K	0.85	-0.26	0.30	-0.31	1.15	-0.48	-0.35	0.35
L								
M	1.00	-0.11	0.80	0.19	5.40	3.77	1.29	1.36
N	1.63	0.52	0.88	0.27	1.88	0.25	0.35	0.35
MEAN	1.11		0.61		1.63			0.33
STDEV	0.32		0.21		0.31			



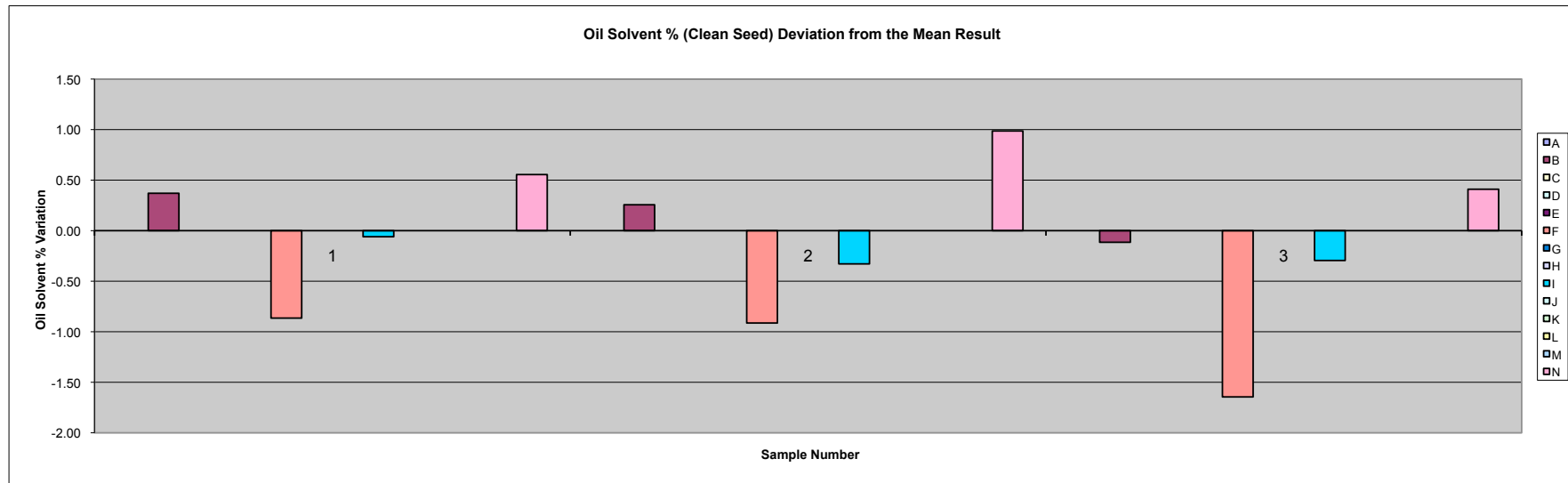
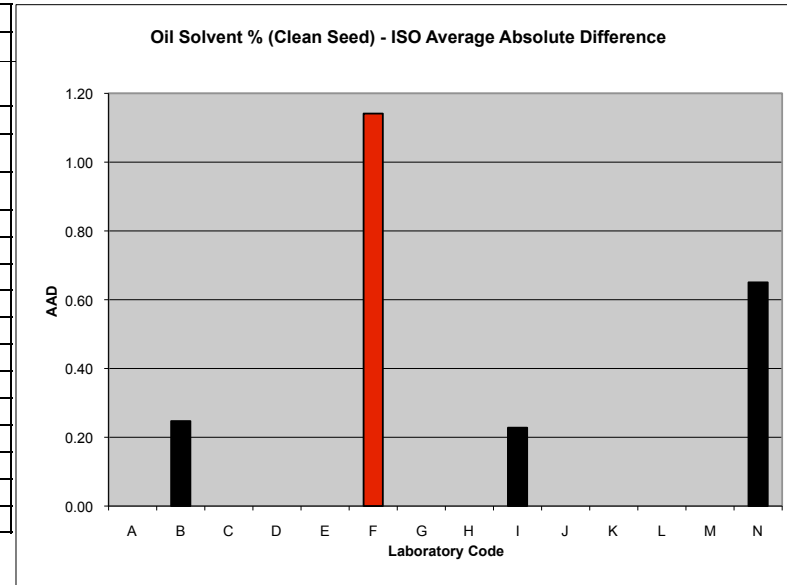
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Oil Rapid % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
<b>A</b>	39.85	-0.15	<b>45.55</b>	<b>-1.24</b>	42.20	-0.69	-0.69	0.69
<b>B</b>								
<b>C</b>	40.25	0.25	46.65	-0.14	43.10	0.21	0.11	0.20
<b>D</b>	39.62	-0.38	47.73	0.94	43.11	0.22	0.26	0.51
<b>E</b>	40.15	0.15	47.10	0.31	42.55	-0.34	0.04	0.27
<b>F</b>	40.30	0.30	46.60	-0.19	43.30	0.41	0.17	0.30
<b>G</b>	39.65	-0.35	46.45	-0.34	42.90	0.01	-0.23	0.23
<b>H</b>	39.35	-0.65	46.20	-0.59	43.45	0.56	-0.23	0.60
<b>I</b>	40.12	0.12	46.84	0.05	43.18	0.29	0.15	0.15
<b>J</b>	40.19	0.19	47.09	0.30	42.78	-0.11	0.12	0.20
<b>K</b>	39.89	-0.11	46.56	-0.24	42.51	-0.38	-0.24	0.24
<b>L</b>								
<b>M</b>	39.98	-0.02	46.70	-0.10	<b>44.46</b>	<b>1.57</b>	0.48	0.56
<b>N</b>	40.65	0.65	<b>47.95</b>	<b>1.16</b>	42.70	-0.19	0.54	0.67
<b>MEAN</b>	<b>40.00</b>		<b>46.79</b>		<b>42.89</b>			<b>0.39</b>
<b>STDEV</b>	<b>0.35</b>		<b>0.43</b>		<b>0.38</b>			



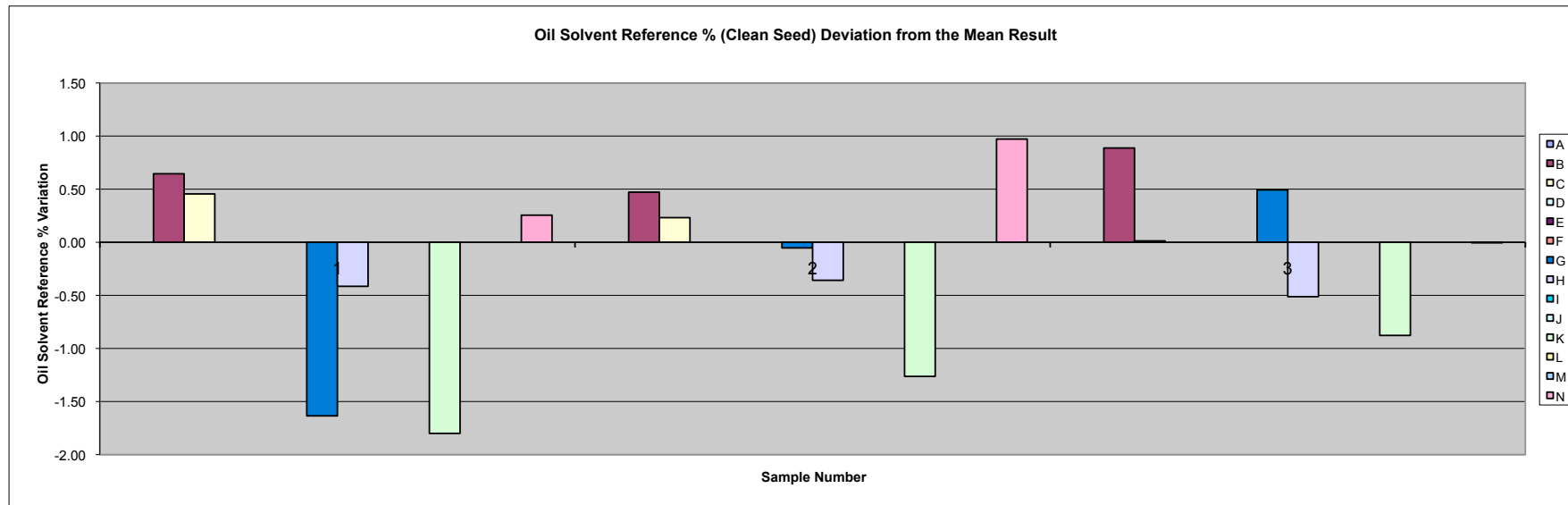
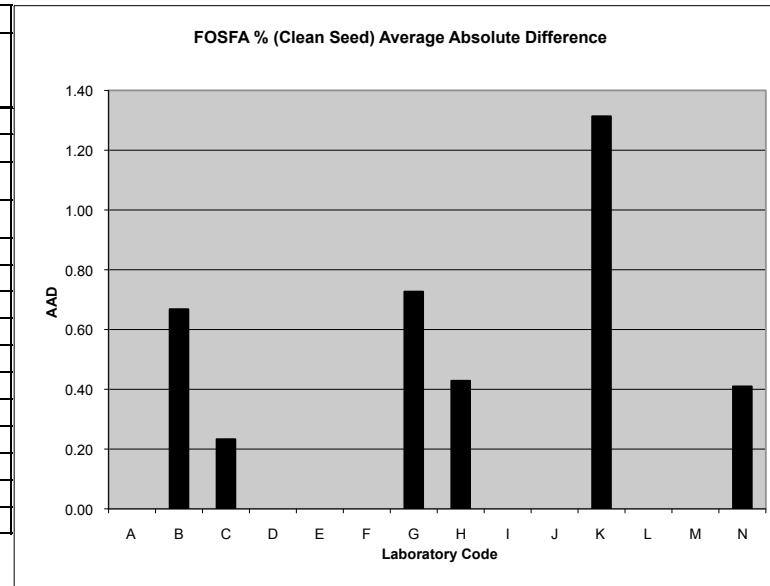
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Oil Solvent % (Clean Seed) - ISO Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	40.69	0.37	46.97	0.26	42.98	-0.11	0.17	0.25
C								
D								
E								
F	39.45	-0.86	45.80	-0.91	41.45	-1.65	-1.14	1.14
G								
H	0.00	0.00	0.00	0.00	0.00	0.00		
I	40.26	-0.06	46.39	-0.33	42.80	-0.30	-0.23	0.23
J								
K								
L								
M								
N	40.87	0.56	47.70	0.99	43.51	0.41	0.65	0.65
<b>MEAN</b>	<b>40.32</b>		<b>46.71</b>		<b>43.10</b>			<b>0.57</b>
<b>STDEV</b>	<b>0.63</b>		<b>0.81</b>		<b>0.37</b>			



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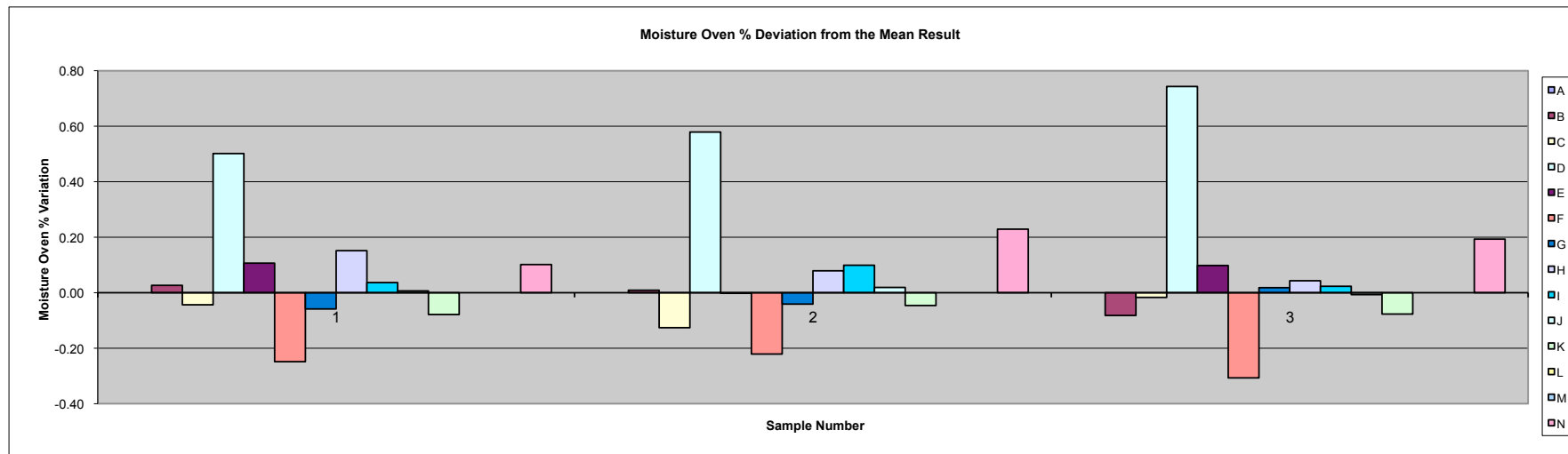
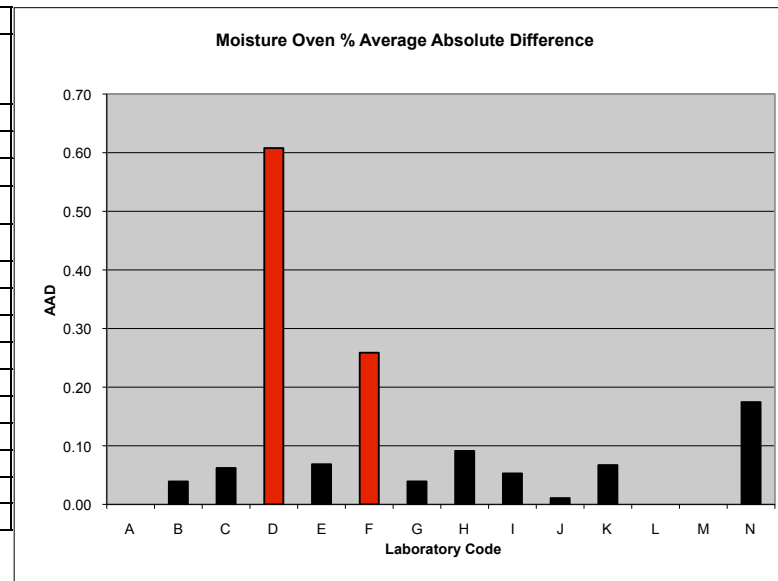
FOSFA % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	40.96	0.65	47.13	0.47	43.65	0.89	0.67	0.67
C	40.77	0.45	46.89	0.23	42.78	0.01	0.23	0.23
D								
E								
F	0.00	0.00	0.00	0.00	0.00	0.00		
G	38.68	-1.64	46.61	-0.05	43.26	0.49	-0.40	0.73
H	39.90	-0.41	46.30	-0.36	42.25	-0.51	-0.43	0.43
I								
J								
K	38.52	-1.80	45.40	-1.26	41.89	-0.88	-1.31	1.31
L								
M								
N	40.57	0.26	47.63	0.97	42.76	0.00	0.41	0.41
<b>MEAN</b>	<b>39.90</b>		<b>46.66</b>		<b>42.76</b>			<b>0.63</b>
<b>STDEV</b>	<b>1.07</b>		<b>0.77</b>		<b>0.64</b>			





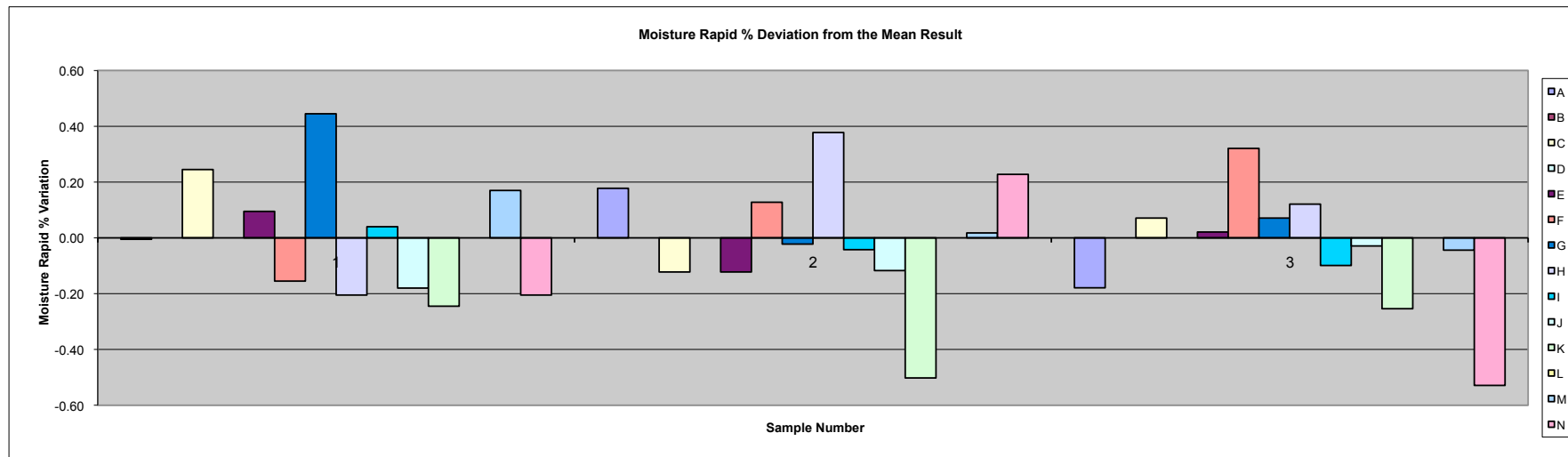
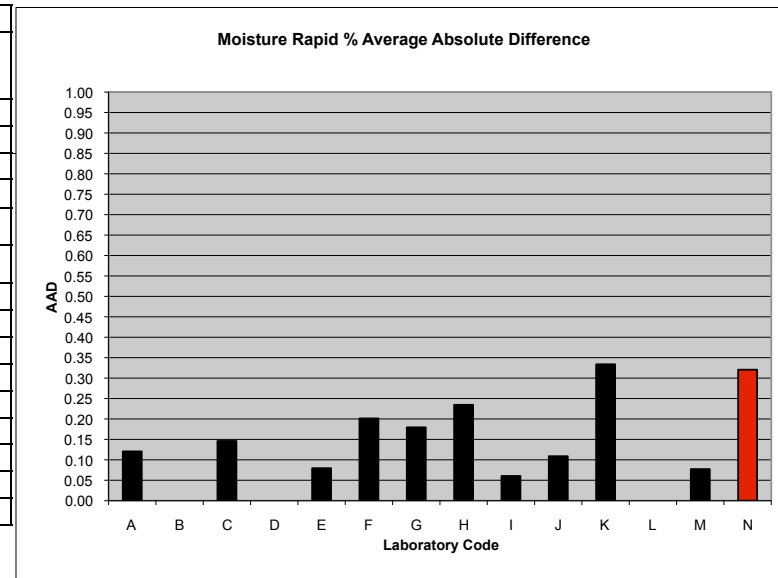
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Moisture Oven % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	6.33	0.03	5.13	0.01	6.78	-0.08	-0.02	0.04
C	6.26	-0.04	5.00	-0.13	6.84	-0.02	-0.06	0.06
D	6.80	0.50	5.70	0.58	7.60	0.74	0.61	0.61
E	6.41	0.11	5.12	0.00	6.96	0.10	0.07	0.07
F	6.05	-0.25	4.90	-0.22	6.55	-0.31	-0.26	0.26
G	6.24	-0.06	5.08	-0.04	6.88	0.02	-0.03	0.04
H	6.45	0.15	5.20	0.08	6.90	0.04	0.09	0.09
I	6.34	0.04	5.22	0.10	6.88	0.02	0.05	0.05
J	6.31	0.01	5.14	0.02	6.85	-0.01	0.01	0.01
K	6.22	-0.08	5.08	-0.05	6.78	-0.08	-0.07	0.07
L								
M	0.00	0.00	0.00	0.00	0.00	0.00		
N	6.40	0.10	5.35	0.23	7.05	0.19	0.17	0.17
<b>MEAN</b>	<b>6.30</b>		<b>5.12</b>		<b>6.86</b>			<b>0.13</b>
<b>STDEV</b>	<b>0.12</b>		<b>0.12</b>		<b>0.06</b>			



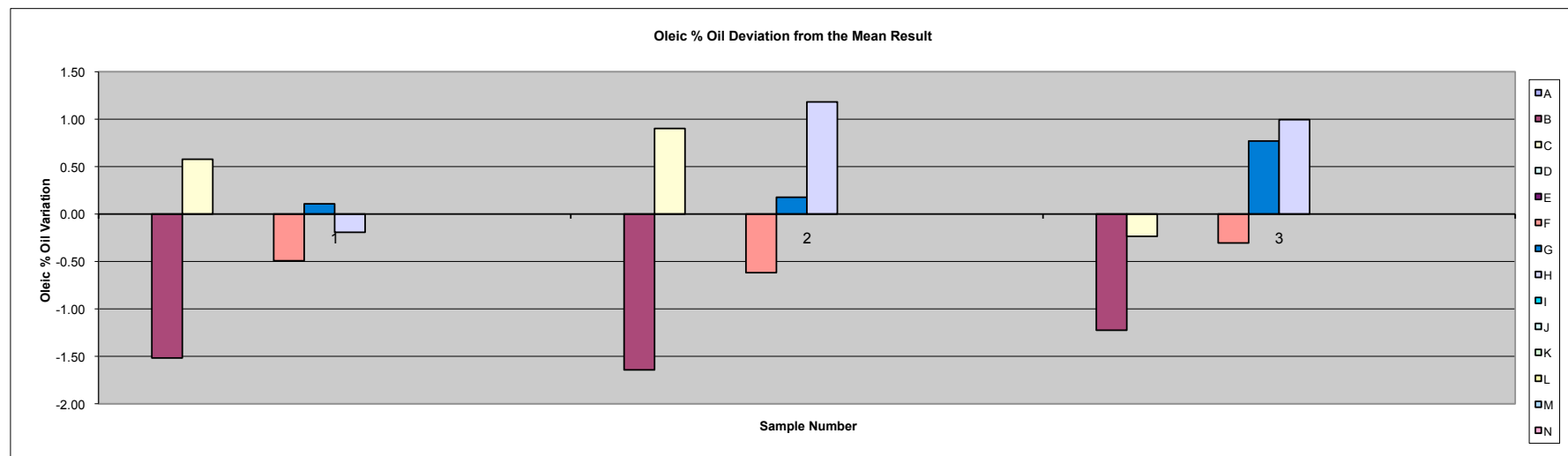
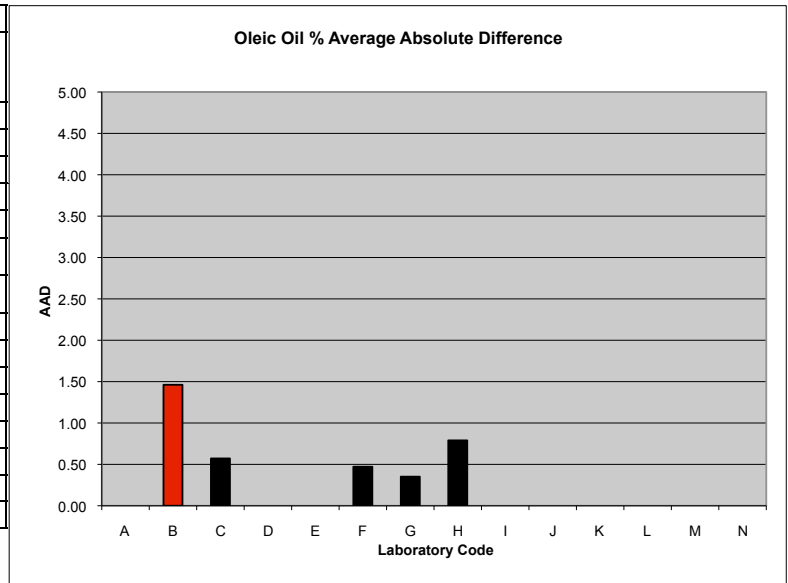
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Moisture Rapid % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	6.40	-0.01	5.30	0.18	6.70	-0.18	0.00	0.12
B								
C	6.65	0.24	5.00	-0.12	6.95	0.07	0.06	0.15
D								
E	6.50	0.09	5.00	-0.12	6.90	0.02	0.00	0.08
F	6.25	-0.16	5.25	0.13	7.20	0.32	0.10	0.20
G	6.85	0.44	5.10	-0.02	6.95	0.07	0.16	0.18
H	6.20	-0.21	5.50	0.38	7.00	0.12	0.10	0.23
I	6.45	0.04	5.08	-0.04	6.78	-0.10	-0.03	0.06
J	6.23	-0.18	5.01	-0.12	6.85	-0.03	-0.11	0.11
K	6.16	-0.25	4.62	-0.50	6.63	-0.25	-0.33	0.33
L								
M	6.58	0.17	5.14	0.02	6.84	-0.04	0.05	0.08
N	6.20	-0.21	5.35	0.23	6.35	-0.53	-0.17	0.32
<b>MEAN</b>	<b>6.41</b>		<b>5.12</b>		<b>6.88</b>			<b>0.17</b>
<b>STDEV</b>	<b>0.22</b>		<b>0.23</b>		<b>0.16</b>			



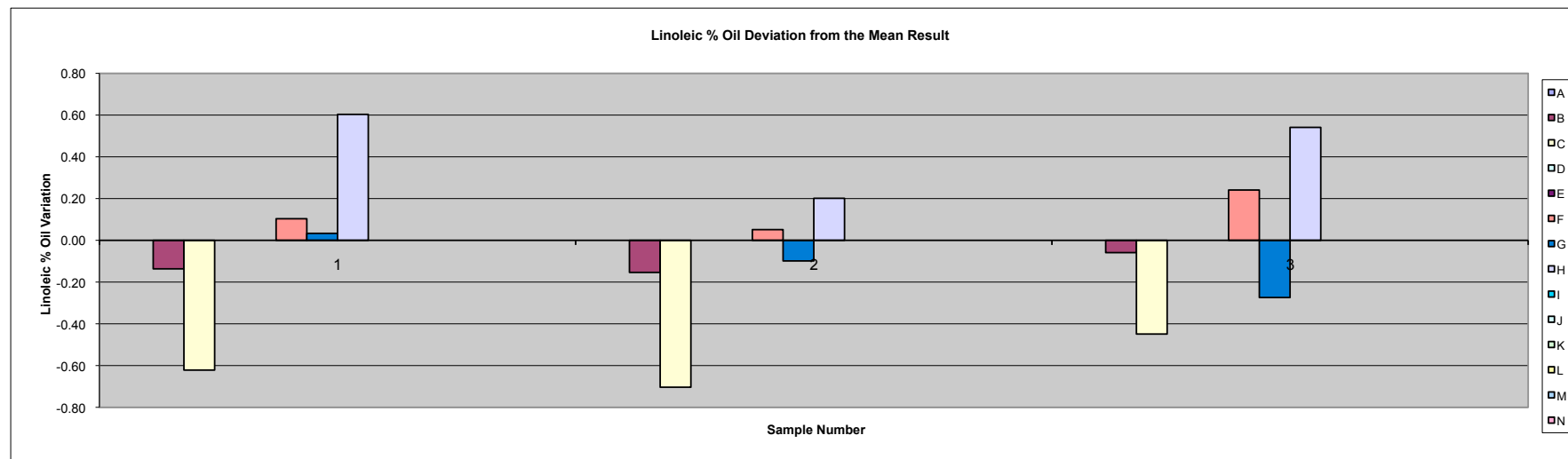
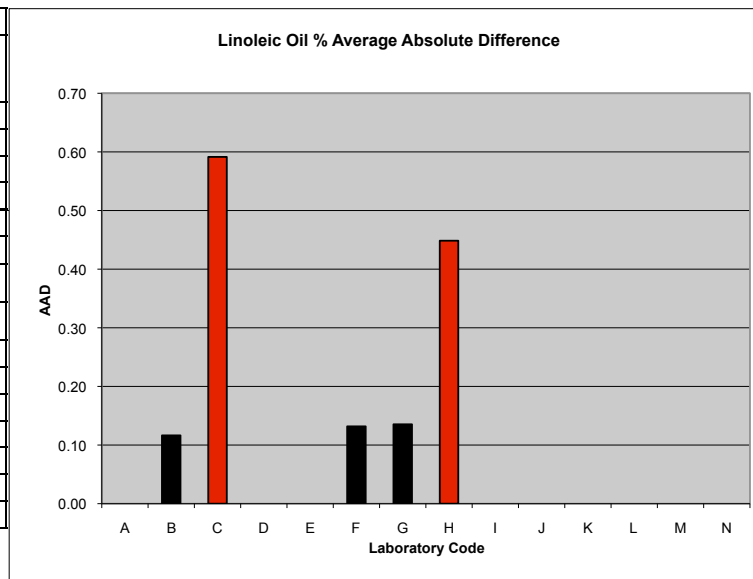
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Oleic % Oil Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	62.88	-1.52	63.83	-1.64	69.38	-1.22	-1.46	1.46
C	64.97	0.58	66.37	0.90	70.37	-0.23	0.41	0.57
D								
E								
F	63.90	-0.49	64.85	-0.62	70.30	-0.30	-0.47	0.47
G	64.50	0.11	65.65	0.18	71.38	0.77	0.35	0.35
H	64.20	-0.19	66.65	1.18	71.60	1.00	0.66	0.79
I								
J								
K								
L								
M								
N								
MEAN	64.39		65.47		70.61			0.73
STDEV	0.46		1.15		0.90			



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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	18.76	-0.14	17.95	-0.15	13.15	-0.06	-0.12	0.12
C	18.28	-0.62	17.40	-0.70	12.76	-0.45	-0.59	0.59
D								
E	0.00	0.00	0.00	0.00	0.00	0.00		
F	19.00	0.10	18.15	0.05	13.45	0.24	0.13	0.13
G	18.93	0.03	18.00	-0.10	12.94	-0.27	-0.11	0.14
H	19.50	0.60	18.30	0.20	13.75	0.54	0.45	0.45
I								
J								
K	0.00	0.00	0.00	0.00	0.00	0.00		
L	0.00	0.00	0.00	0.00	0.00	0.00		
M	0.00	0.00	0.00	0.00	0.00	0.00		
N	0.00	0.00	0.00	0.00	0.00	0.00		
<b>MEAN</b>	<b>18.90</b>		<b>18.10</b>		<b>13.21</b>			<b>0.28</b>
<b>STDEV</b>	<b>0.12</b>		<b>0.16</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	0.55	-0.11	0.09	-0.12	0.08	-0.13	-0.12	0.12
C	0.57	-0.08	0.25	0.04	0.24	0.03	0.00	0.05
D								
E	1.15	0.50	0.27	0.07	0.29	0.08	0.22	0.22
F	0.68	0.02	0.40	0.20	0.46	0.25	0.16	0.16
G	0.88	0.23	0.15	-0.06	0.14	-0.07	0.03	0.12
H	0.65	-0.01	0.16	-0.05	0.18	-0.03	-0.03	0.03
I								
J								
K	0.61	-0.04	0.11	-0.10	0.09	-0.12	-0.09	0.09
L								
M	0.00	0.00	0.00	0.00	0.00	0.00		
N								
MEAN	0.65		0.20		0.21			0.11
STDEV	0.12		0.11		0.13			

