



**2013 AOF Test Check Program  
Monthly Report  
Round 3  
March 2013  
01/03/2013 – 01/04/2013**

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**Result Receival Dates**

<b>Lab Code</b>	<b>Date (DD-MM-YYYY)</b>
<b>A</b>	05-04-2013
<b>B</b>	28-03-2013
<b>C</b>	-
<b>D</b>	04-04-2013
<b>E</b>	13-03-2013
<b>F</b>	05-04-2013
<b>G</b>	-
<b>H</b>	01-03-2013
<b>I</b>	11-03-2013
<b>J</b>	25-03-2013
<b>K</b>	28-03-2013
<b>L</b>	21-03-2013
<b>M</b>	25-03-2013
<b>N</b>	10-03-2013
<b>O</b>	12-03-2013

**Discussion of Results**

***Test Weight***

Sample 1 – One outlier was identified for Lab **F** with a 2.09 percent discrepancy from the upper quartile limit (69.36%).

Sample 2 – One outlier was identified for Lab **F** with a 0.02 percent discrepancy from the upper quartile limit (67.78%).

Sample 3 – One outlier was identified for Lab **F** with a 0.51 percent discrepancy from the upper quartile limit (69.94%).

***Impurities***

Sample 1 – One outlier was identified for Lab **B** with a 1.32 percent discrepancy from the upper quartile limit (1.49%).

Sample 2 – One outlier was identified for Lab **B** with a 1.30 percent discrepancy from the upper quartile limit (2.00%).

Sample 3 – One outlier was identified for Lab **B** with a 1.67 percent discrepancy from the upper quartile limit (1.73%).



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***Oil Rapid***

Sample 1 – Outliers were identified for Lab **D** and **O**. Lab D results were 0.28 of a percent discrepancy from the upper quartile limit (43.76%). Lab O results were 0.06 of a percent discrepancy from the lower quartile limit (42.06%).

Sample 2 – One outlier was identified for Lab **H** with a 0.01 percent discrepancy from the lower quartile limit (45.01%).

Sample 3 – One outlier was identified for Lab **M** with a 0.03 percent discrepancy from the upper quartile limit (39.93%).

***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 – No outliers were observed.

Sample 3 – One outlier was identified for Lab H with a 0.23 of a percent discrepancy from the lower quartile limit (38.63%).

***Moisture Oven***

Sample 1 – One outlier was identified for Lab **E** with a 0.30 of a percent discrepancy from the upper quartile limit (5.00%).

Sample 2 – One outlier was identified for Lab **E** with a 0.76 of a percent discrepancy from the upper quartile limit (6.30%).

Sample 3 – One outlier was identified for Lab **E** with a 0.05 of a percent discrepancy from the upper quartile limit (7.22%).

***Moisture Rapid***

Sample 1 – No outliers were observed.

Sample 2 – Lab **E** was identified as an outlier with the result situated at the upper quartile limit (7.10%).

Sample 3 – No outliers were observed.



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***Oleic Oil***

No Outliers were identified for this test method.

***Linoleic Oil***

Sample 1 – One outlier was identified for Lab **H** with a 0.27 of a percent discrepancy from the lower quartile limit (12.97%).

Sample 2 – One outlier was identified for Lab **H** with a 0.37 of a percent discrepancy from the lower quartile limit (19.52%).

Sample 3 – One outlier was identified for Lab **H** with a 0.29 of a percent discrepancy from the upper quartile limit (17.74%).

***Free Fatty Acid***

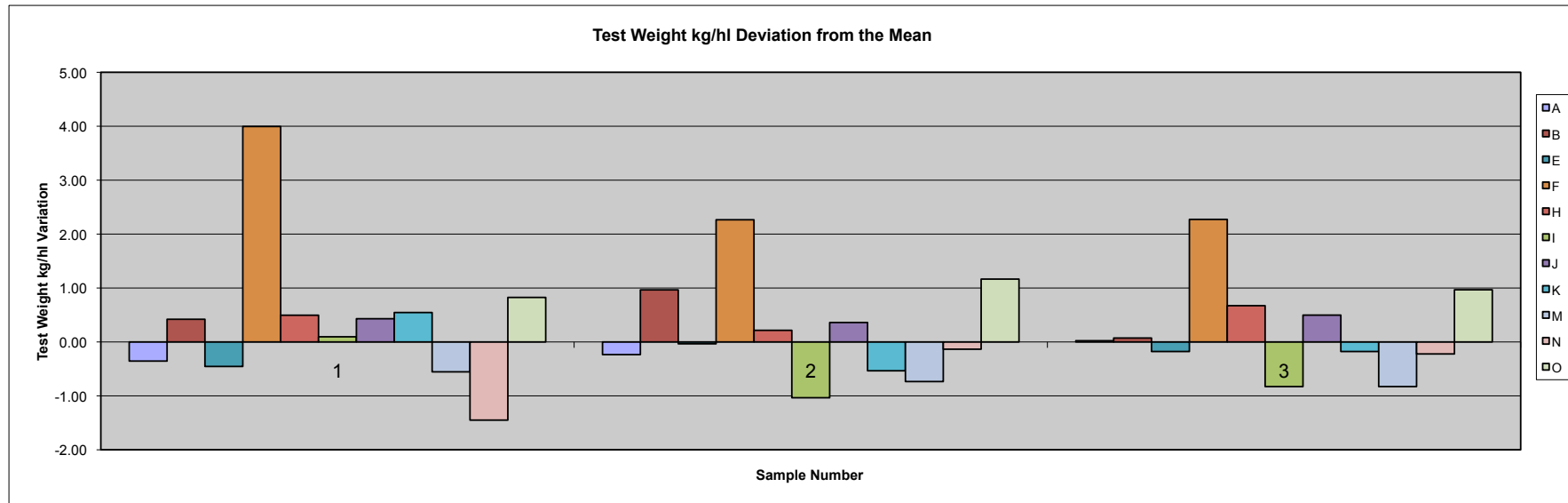
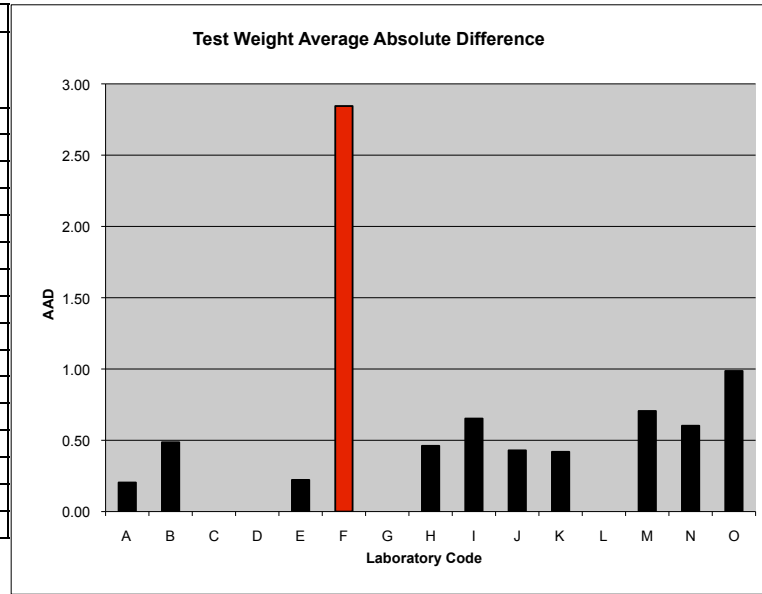
Sample 1 – One outlier was identified for Lab **E** with a 0.15 of a percent discrepancy from the upper quartile limit (0.30%).

Sample 2 – One outlier was identified for Lab **E** with a 0.54 of a percent discrepancy from the upper quartile limit (0.49%).

Sample 3 – One outlier was identified for Lab **E** with a 0.80 of a percent discrepancy from the upper quartile limit (0.92%).

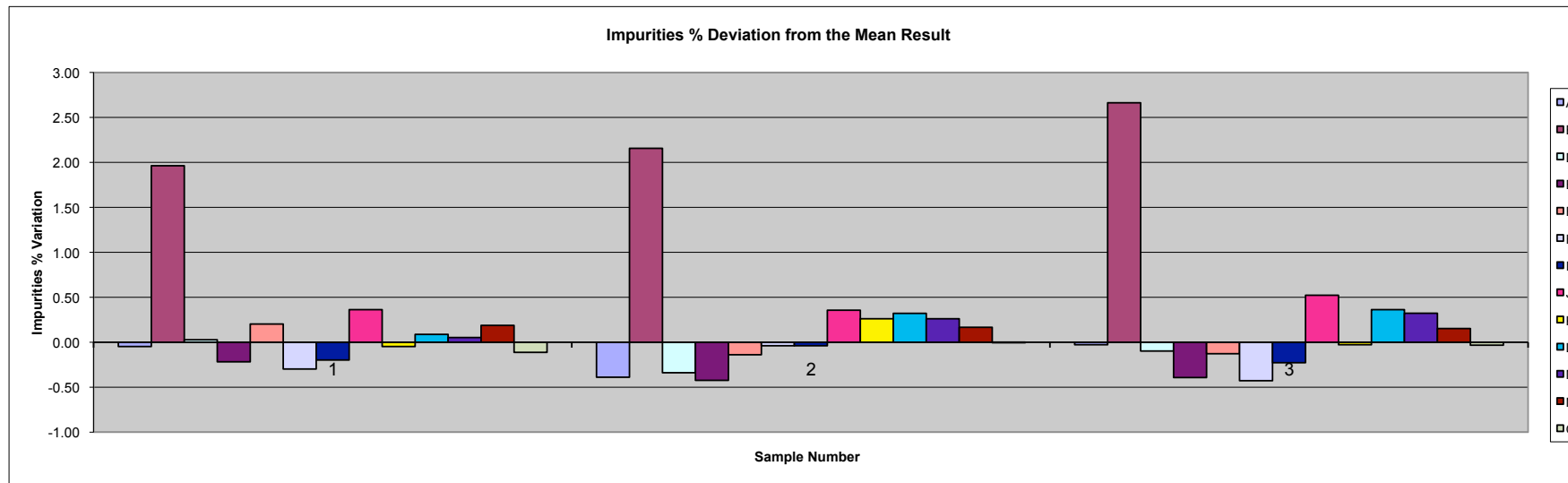
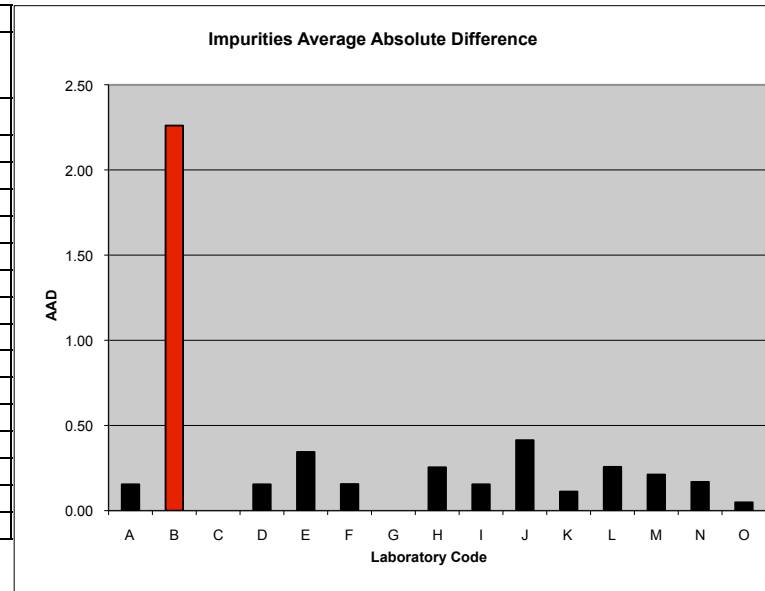
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Test Weight kg/hl								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	67.10	-0.35	65.30	-0.23	68.20	0.02	-0.19	0.20
B	67.88	0.42	66.50	0.97	68.25	0.07	0.49	0.49
C								
D								
E	67.00	-0.45	65.50	-0.03	68.00	-0.18	-0.22	0.22
F	71.45	4.00	67.80	2.27	70.45	2.27	2.84	2.84
G								
H	67.95	0.50	65.75	0.22	68.85	0.67	0.46	0.46
I	67.55	0.10	64.50	-1.03	67.35	-0.83	-0.59	0.65
J	67.89	0.43	65.90	0.36	68.68	0.50	0.43	0.43
K	68.00	0.55	65.00	-0.53	68.00	-0.18	-0.06	0.42
L								
M	66.90	-0.55	64.80	-0.73	67.35	-0.83	-0.71	0.71
N	66.01	-1.45	65.40	-0.13	67.96	-0.22	-0.60	0.60
O	68.28	0.83	66.70	1.17	69.15	0.97	0.99	0.99
<b>MEAN</b>	<b>67.45</b>		<b>65.53</b>		<b>68.18</b>			<b>0.70</b>
<b>STDEV</b>	<b>0.69</b>		<b>0.70</b>		<b>0.59</b>			



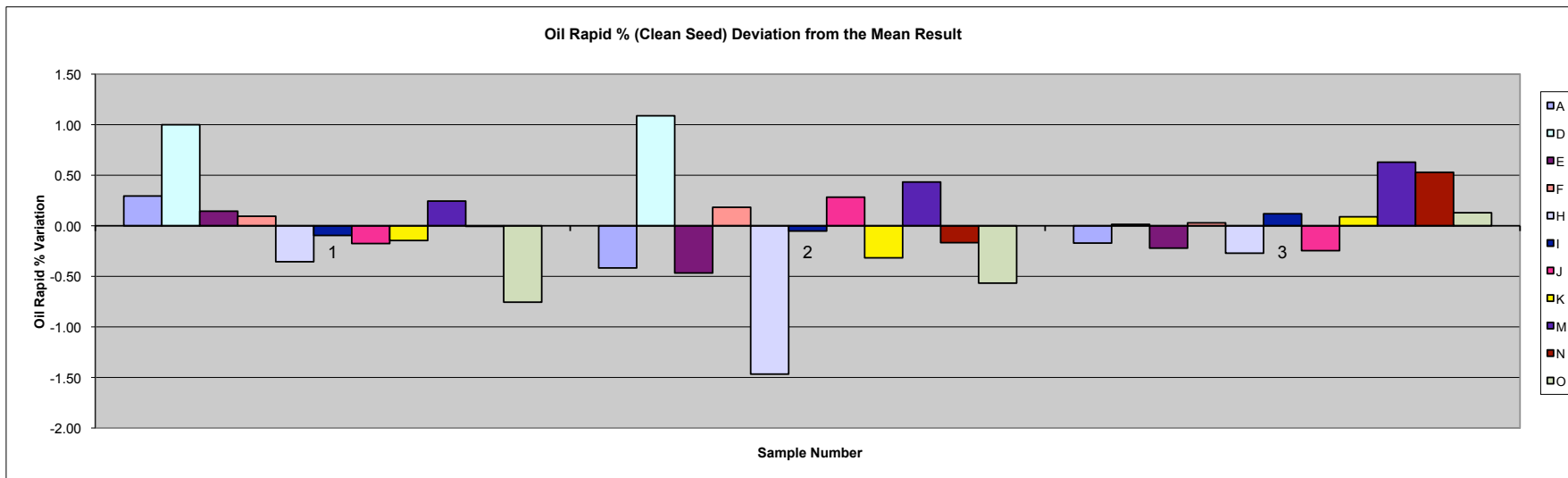
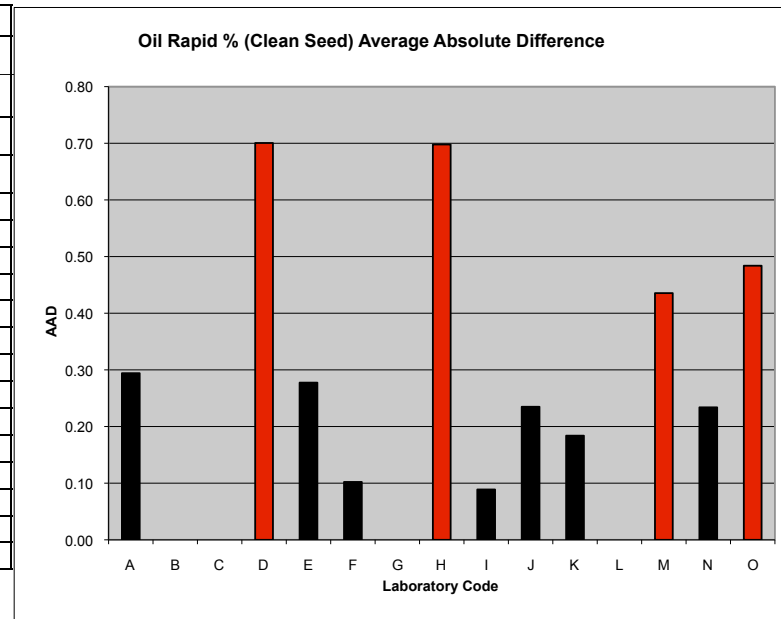
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Impurities %								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	0.80	-0.05	0.75	-0.39	0.70	-0.03	-0.15	0.15
B	2.81	1.96	3.30	2.16	3.39	2.66	2.26	2.26
C								
D	0.88	0.03	0.80	-0.34	0.63	-0.10	-0.14	0.15
E	0.63	-0.22	0.72	-0.42	0.34	-0.39	-0.34	0.34
F	1.05	0.20	1.00	-0.14	0.60	-0.13	-0.02	0.16
G								
H	0.55	-0.30	1.10	-0.04	0.30	-0.43	-0.25	0.25
I	0.65	-0.20	1.10	-0.04	0.50	-0.23	-0.15	0.15
J	1.21	0.36	1.50	0.36	1.25	0.52	0.41	0.41
K	0.80	-0.05	1.40	0.26	0.70	-0.03	0.06	0.11
L	0.94	0.09	1.46	0.32	1.09	0.36	0.26	0.26
M	0.90	0.05	1.40	0.26	1.05	0.32	0.21	0.21
N	1.04	0.19	1.31	0.17	0.88	0.15	0.17	0.17
O	0.74	-0.11	1.14	0.00	0.70	-0.03	-0.05	0.05
<b>MEAN</b>	<b>0.85</b>		<b>1.14</b>		<b>0.73</b>			<b>0.39</b>
<b>STDEV</b>	<b>0.19</b>		<b>0.28</b>		<b>0.29</b>			



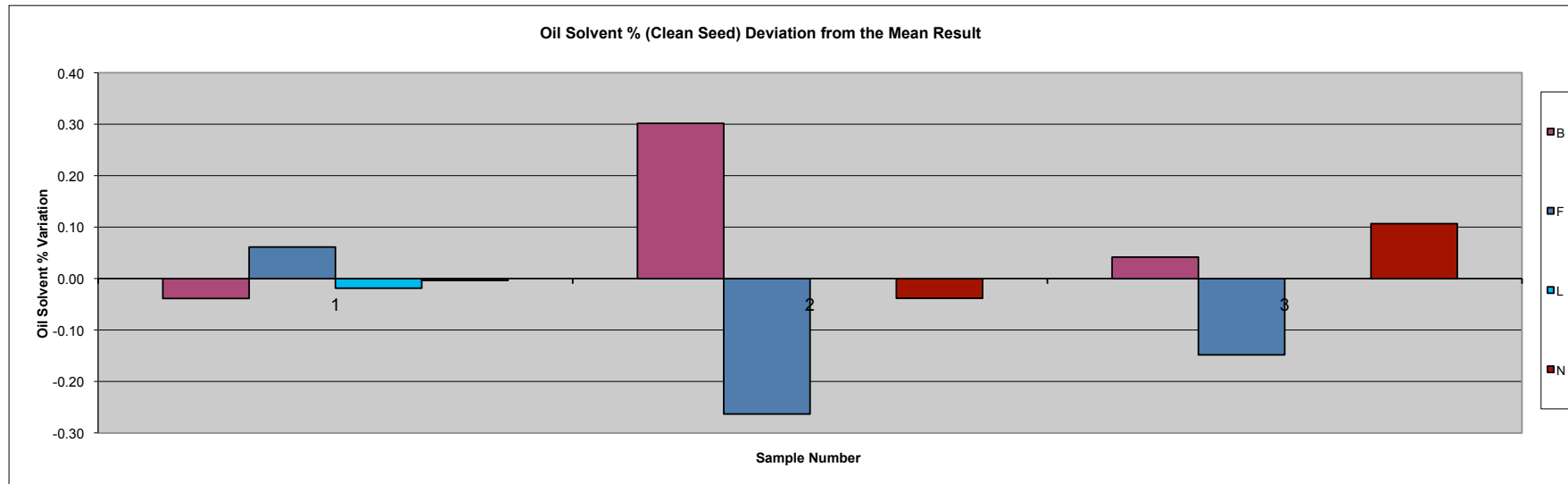
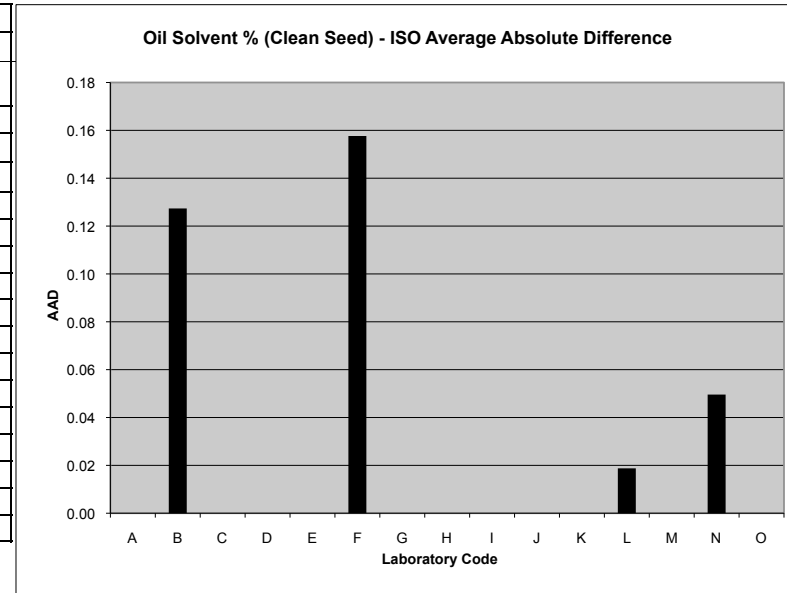
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Oil Rapid % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	43.05	0.29	46.05	-0.42	39.15	-0.17	-0.10	0.29
B								
C								
D	43.76	1.00	47.56	1.09	39.34	0.01	0.70	0.70
E	42.90	0.14	46.00	-0.47	39.10	-0.22	-0.18	0.28
F	42.85	0.09	46.65	0.18	39.35	0.03	0.10	0.10
G								
H	42.40	-0.36	45.00	-1.47	39.05	-0.27	-0.70	0.70
I	42.66	-0.10	46.42	-0.05	39.44	0.12	-0.01	0.09
J	42.58	-0.18	46.75	0.28	39.08	-0.25	-0.05	0.23
K	42.61	-0.15	46.15	-0.32	39.41	0.09	-0.12	0.18
L								
M	43.00	0.24	46.90	0.43	39.95	0.63	0.44	0.44
N	42.75	-0.01	46.30	-0.17	39.85	0.53	0.12	0.23
O	42.00	-0.76	45.90	-0.57	39.45	0.13	-0.40	0.48
<b>MEAN</b>	<b>42.76</b>		<b>46.47</b>		<b>39.32</b>			<b>0.32</b>
<b>STDEV</b>	<b>0.21</b>		<b>0.51</b>		<b>0.24</b>			



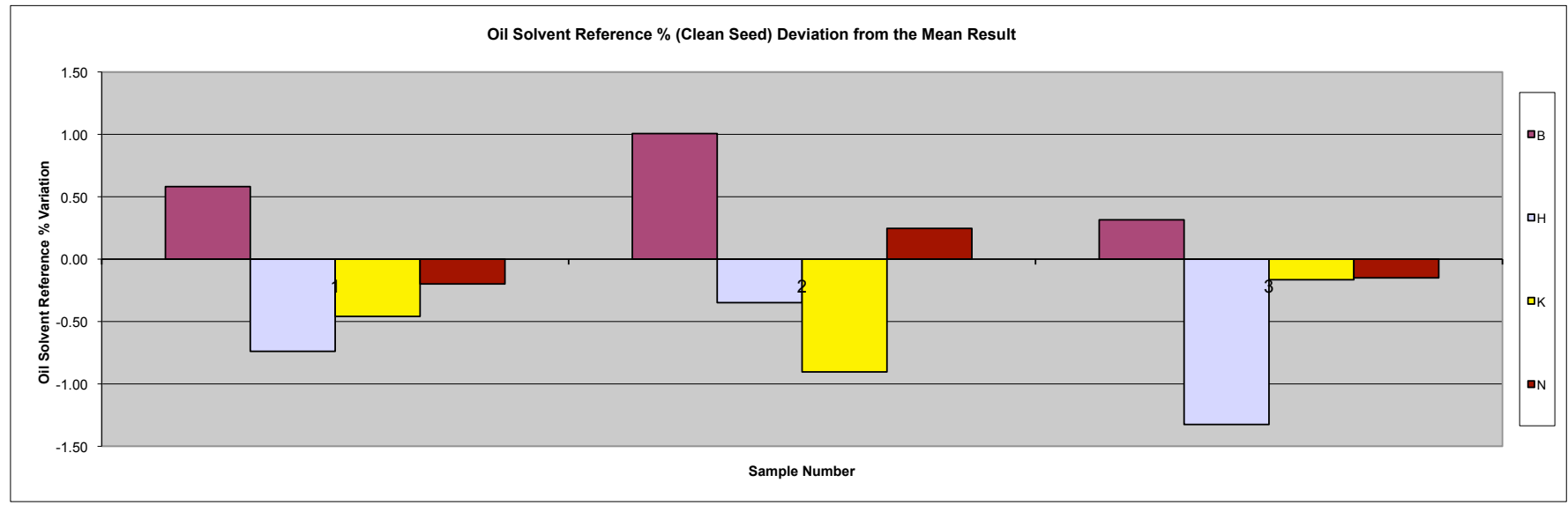
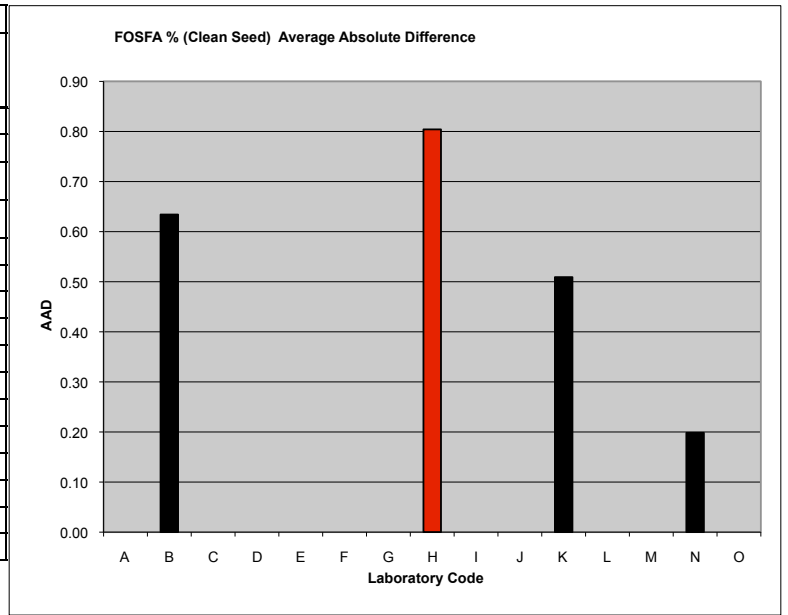
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Oil Solvent % (Clean Seed) - ISO Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	43.10	-0.04	47.42	0.30	39.64	0.04	0.10	0.13
C								
D								
E								
F	43.20	0.06	46.85	-0.26	39.45	-0.15	-0.12	0.16
G								
H								
I								
J								
K								
L	43.12	-0.02					-0.02	0.02
M								
N	43.14	0.00	47.08	-0.04	39.71	0.11	0.02	0.05
O								
<b>MEAN</b>	<b>43.14</b>		<b>47.11</b>		<b>39.60</b>			<b>0.09</b>
<b>STDEV</b>	<b>0.04</b>		<b>0.28</b>		<b>0.13</b>			



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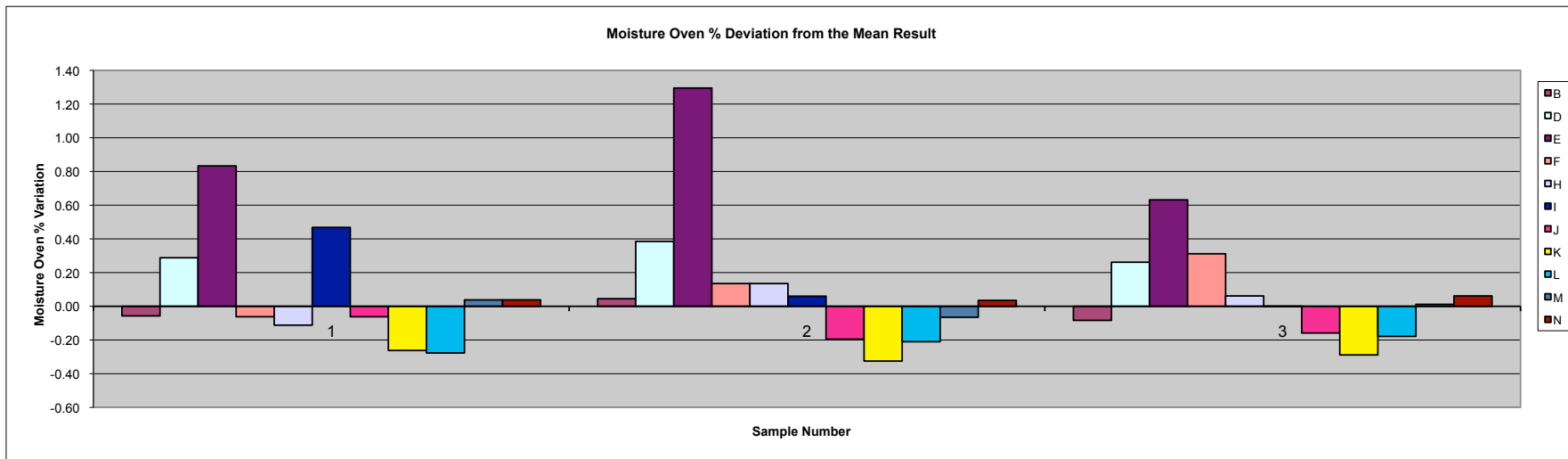
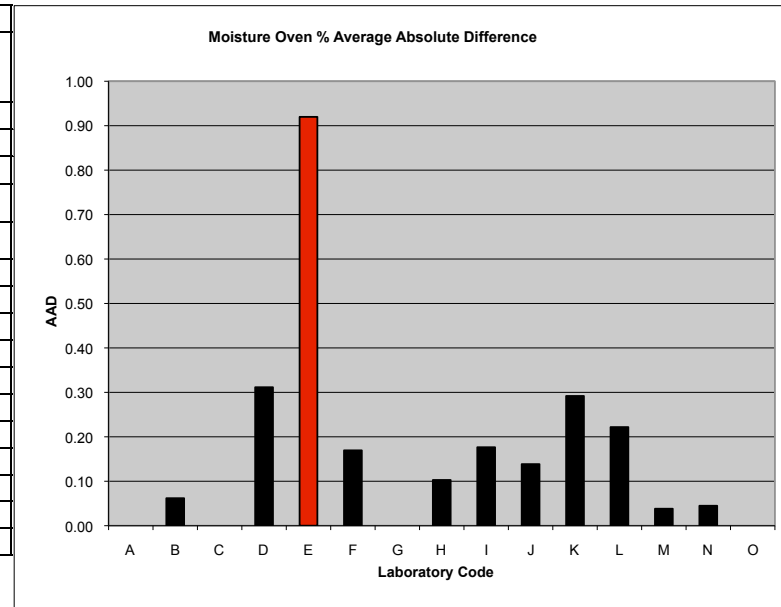
FOSFA % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	43.72	0.58	47.96	1.01	40.04	0.32	0.63	0.63
C								
D								
E								
F								
G								
H	42.40	-0.74	46.60	-0.35	38.40	-1.33	-0.80	0.80
I								
J								
K	42.68	-0.46	46.05	-0.90	39.56	-0.16	-0.51	0.51
L								
M								
N	42.94	-0.20	47.20	0.25	39.58	-0.15	-0.03	0.20
O								
<b>MEAN</b>	<b>42.94</b>		<b>46.95</b>		<b>39.73</b>			<b>0.54</b>
<b>STDEV</b>	<b>0.57</b>		<b>0.82</b>		<b>0.27</b>			





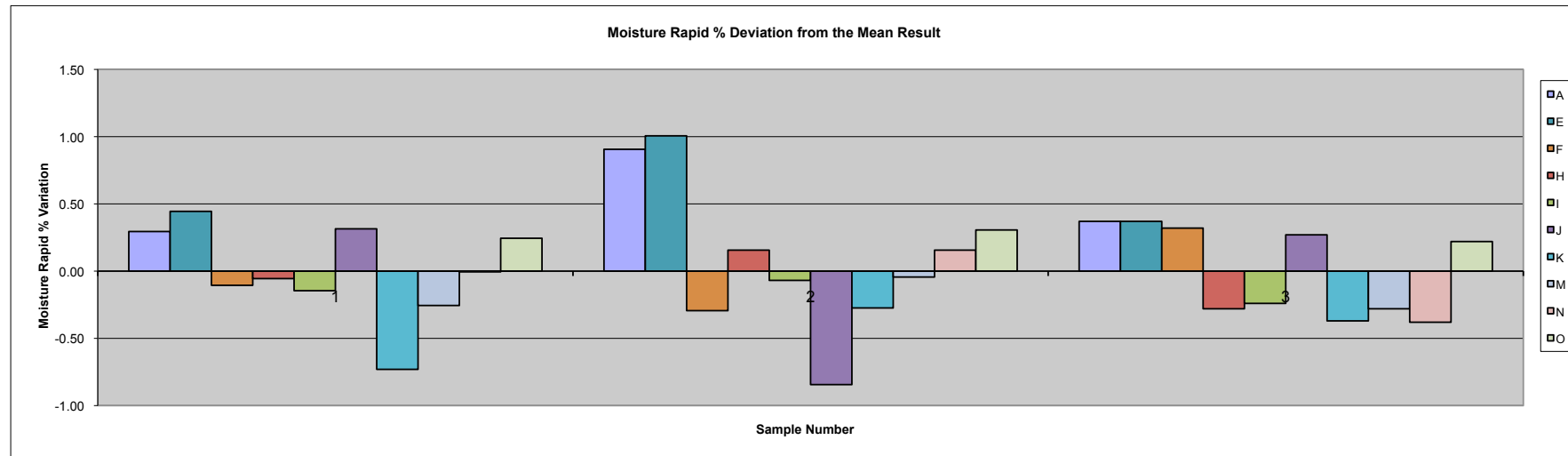
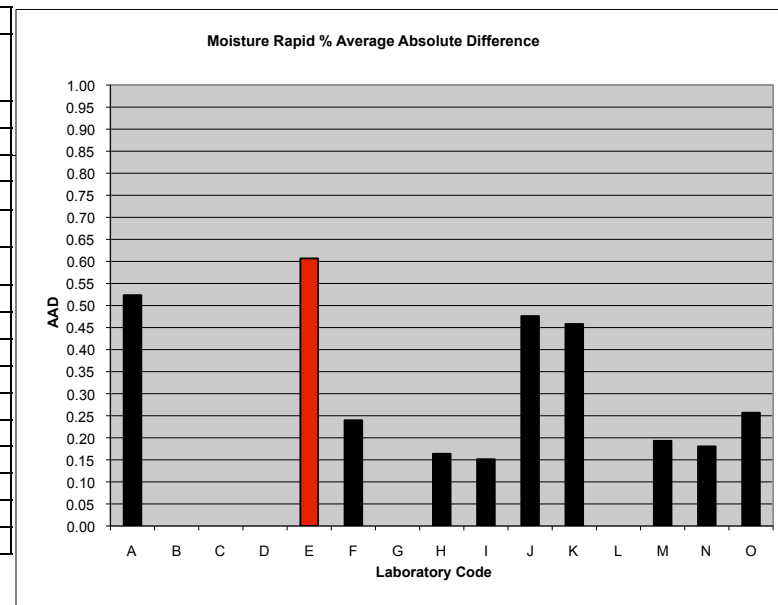
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Moisture Oven % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	4.41	-0.06	5.81	0.05	6.56	-0.08	-0.03	0.06
C								
D	4.75	0.29	6.15	0.39	6.90	0.26	0.31	0.31
E	5.30	0.83	7.06	1.30	7.27	0.63	0.92	0.92
F	4.40	-0.06	5.90	0.14	6.95	0.31	0.13	0.17
G								
H	4.35	-0.11	5.90	0.14	6.70	0.06	0.03	0.10
I	4.93	0.47	5.83	0.06	6.64	0.00	0.18	0.18
J	4.40	-0.06	5.57	-0.19	6.48	-0.16	-0.14	0.14
K	4.20	-0.26	5.44	-0.32	6.35	-0.29	-0.29	0.29
L	4.19	-0.28	5.56	-0.21	6.46	-0.18	-0.22	0.22
M	4.50	0.04	5.70	-0.06	6.65	0.01	-0.01	0.04
N	4.50	0.04	5.80	0.04	6.70	0.06	0.04	0.04
O								
MEAN	4.46		5.77		6.64			0.23
STDEV	0.23		0.21		0.19			



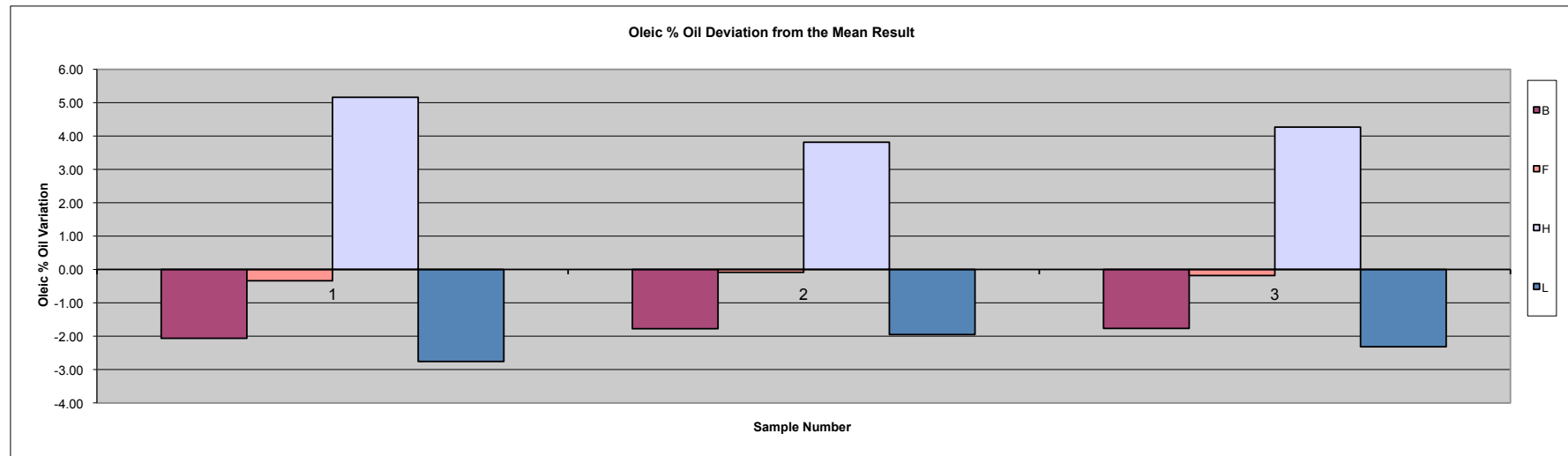
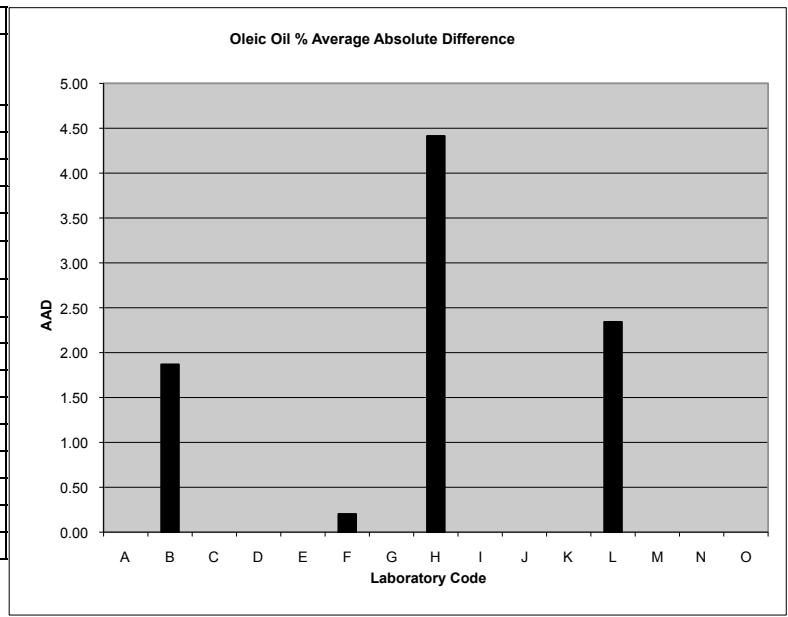
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Moisture Rapid % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	5.10	0.29	7.00	0.91	7.35	0.37	0.52	0.52
B								
C								
D								
E	5.25	0.44	7.10	1.01	7.35	0.37	0.61	0.61
F	4.70	-0.11	5.80	-0.29	7.30	0.32	-0.03	0.24
G								
H	4.75	-0.06	6.25	0.16	6.70	-0.28	-0.06	0.16
I	4.66	-0.15	6.03	-0.07	6.74	-0.24	-0.15	0.15
J	5.12	0.31	5.25	-0.84	7.25	0.27	-0.09	0.48
K	4.08	-0.73	5.82	-0.27	6.61	-0.37	-0.46	0.46
L								
M	4.55	-0.26	6.05	-0.04	6.70	-0.28	-0.19	0.19
N	4.80	-0.01	6.25	0.16	6.60	-0.38	-0.08	0.18
O	5.05	0.24	6.40	0.31	7.20	0.22	0.26	0.26
<b>MEAN</b>	<b>4.81</b>		<b>6.09</b>		<b>6.98</b>			<b>0.33</b>
<b>STDEV</b>	<b>0.35</b>		<b>0.48</b>		<b>0.33</b>			



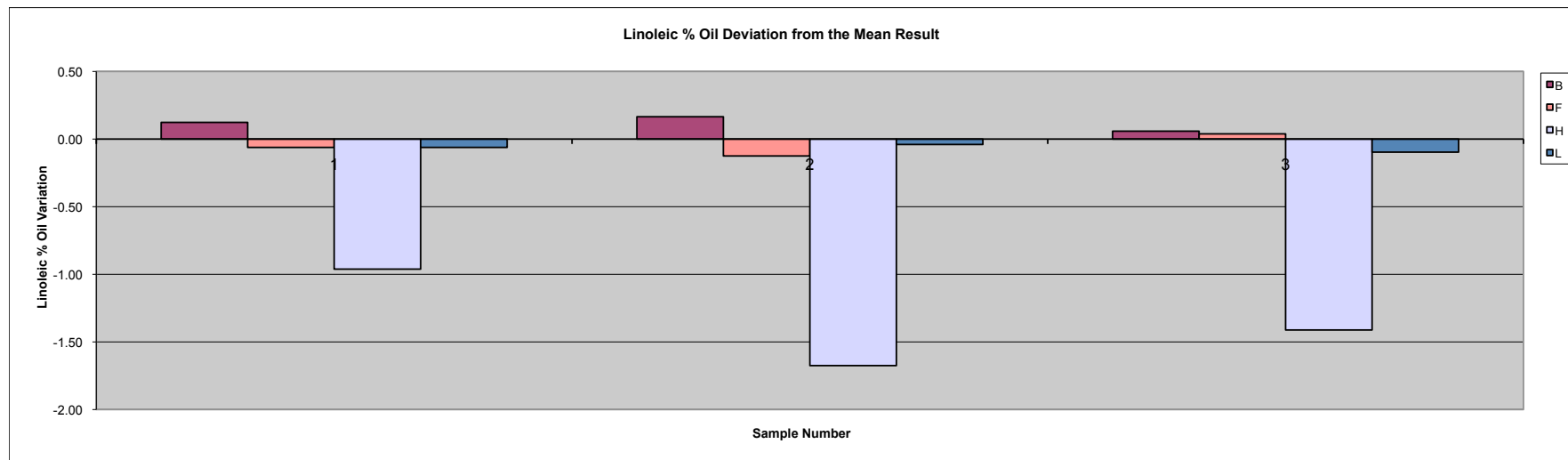
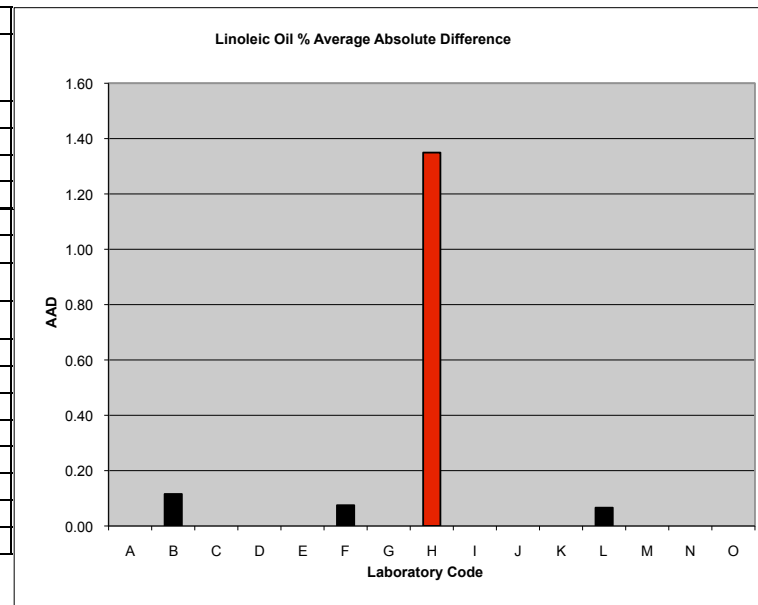
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Oleic % Oil Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	68.23	-2.06	61.81	-1.78	62.32	-1.77	-1.87	1.87
C								
D								
E								
F	69.95	-0.34	63.50	-0.09	63.90	-0.18	-0.20	0.20
G								
H	75.45	5.16	67.40	3.81	68.35	4.27	4.41	4.41
I								
J								
K								
L	67.53	-2.76	61.64	-1.95	61.77	-2.32	-2.34	2.34
M								
N								
O								
<b>MEAN</b>	<b>70.29</b>		<b>63.59</b>		<b>64.08</b>			<b>2.21</b>
<b>STDEV</b>	<b>3.59</b>		<b>2.68</b>		<b>2.99</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	13.79	0.12	20.99	0.16	18.92	0.06	0.12	0.12
C								
D								
E								
F	13.60	-0.06	20.70	-0.13	18.90	0.04	-0.05	0.08
G								
H	12.70	-0.96	19.15	-1.68	17.45	-1.41	-1.35	1.35
I								
J								
K								
L	13.60	-0.06	20.79	-0.04	18.77	-0.10	-0.07	0.07
M								
N								
O								
<b>MEAN</b>	<b>13.66</b>		<b>20.83</b>		<b>18.86</b>			<b>0.40</b>
<b>STDEV</b>	<b>0.11</b>		<b>0.15</b>		<b>0.08</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	0.06	-0.05	0.31	-0.06	0.46	-0.11	-0.07	0.07
C								
D								
E	0.45	0.34	1.03	0.66	1.72	1.15	0.72	0.72
F	0.10	-0.01	0.35	-0.01	0.60	0.03	0.00	0.02
G								
H	0.08	-0.03	0.35	-0.01	0.48	-0.09	-0.04	0.04
I								
J								
K	0.11	0.00	0.40	0.04	0.69	0.12	0.05	0.05
L	0.19	0.08	0.41	0.04	0.63	0.06	0.06	0.06
M								
N								
O								
MEAN	0.11		0.36		0.57			0.16
STDEV	0.05		0.04		0.10			

