



**2012 AOF Test Check Program
Monthly Report
Round 5
May 2012
01/05/2012 – 01/06/2012**

Result Receival Dates

Lab Code	Date
A	08/05/2012
B	28/05/2012
C	30/05/2012
D	05/06/2012
E	15/05/2012
F	31/05/2012
G	-
H	31/05/2012
I	29/05/2012
J	31/05/2012
K	25/05/2012
L	-
M	30/05/2012
N	29/05/2012
O	-

Discussion of Results

Test Weight

No outliers were observed for any participating laboratories for this test.

Impurities

Sample 1 – No outliers were observed.

Sample 2 – Two outliers were identified; lab **C** there was a 0.31 percent discrepancy from the upper (2.99%) quartile and lab **I** showed a 0.05 percent discrepancy from the lower (1.35%) quartile limit.

Sample 3 – One outlier was identified for lab **C** with a 0.29 percent discrepancy from the upper (1.74%) quartile limit.

Oil Rapid

Sample 1 – No outliers were observed.

Sample 2 – One outlier was identified for lab **D** with a 0.70 percent discrepancy from the upper (48.71%) quartile limit.

Sample 3 – No outliers were observed.



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Oil Solvent (ISO 659)

No outliers were observed for any participating laboratories for this test.

Oil Solvent Reference (AOCS Method Am 2-93)

Sample 1 – Two outliers were identified; lab **C** showed a 0.10 percent discrepancy from the upper (40.68%) quartile limit, and lab **D** showed a 0.24 percent discrepancy from the lower (39.24%) quartile limit.

Sample 2 – One outlier was identified for lab **K** with a 0.41 of a percent discrepancy from the lower (46.19%) quartile limit.

Sample 3 – No outliers were observed.

Moisture Oven

Sample 1 – One outlier was identified for lab **D** with a 1.19 percent discrepancy from the upper (6.46%) quartile limit.

Sample 2 – No outliers were observed.

Sample 3 – No outliers were observed.

Moisture Rapid

No outliers were observed for any participating laboratories for this test.

Oleic Oil

Sample 1 – No outliers were observed.

Sample 2 – One outlier was identified for lab **K** with a 2.81 of a percent discrepancy from the upper (66.68%) quartile limit.

Sample 3 – One outlier was identified for lab **K** with a 0.55 of a percent discrepancy from the upper (62.10%) quartile limit.

Linoleic Oil

Sample 1 – One outlier was identified for lab **K** with a 1.19 of a percent discrepancy from the lower (19.71%) quartile limit.

Sample 2 – One outlier was identified for lab **K** with a 4.82 of a percent discrepancy from the lower (12.57%) quartile limit.

Sample 3 – One outlier was identified for lab **K** with a 2.65 of a percent discrepancy from the upper (17.50%) quartile limit.



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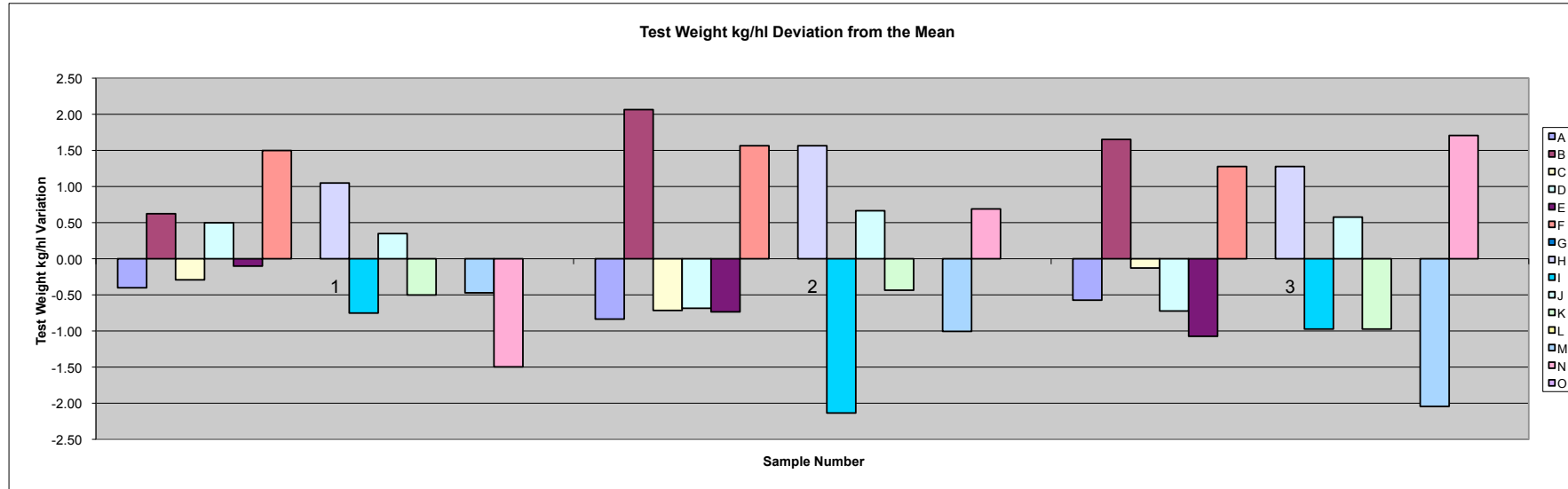
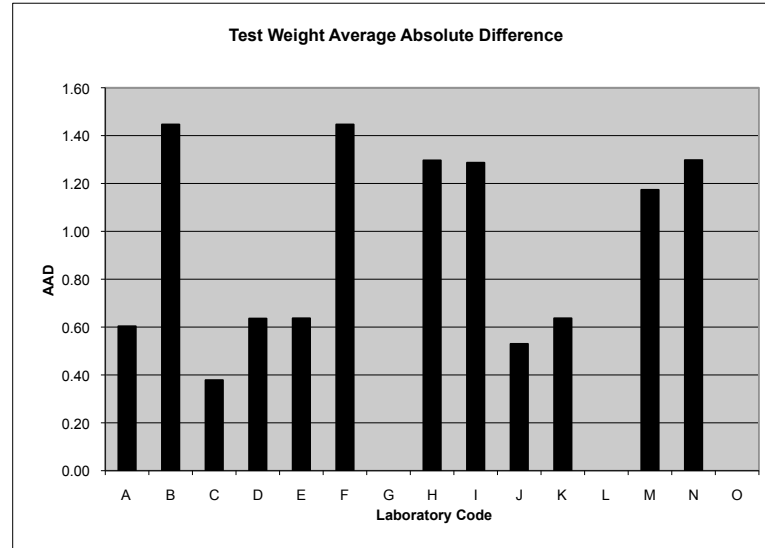
01/05/2012 – 01/06/2012

Free Fatty Acid

No outliers were observed for any participating laboratories for this test.

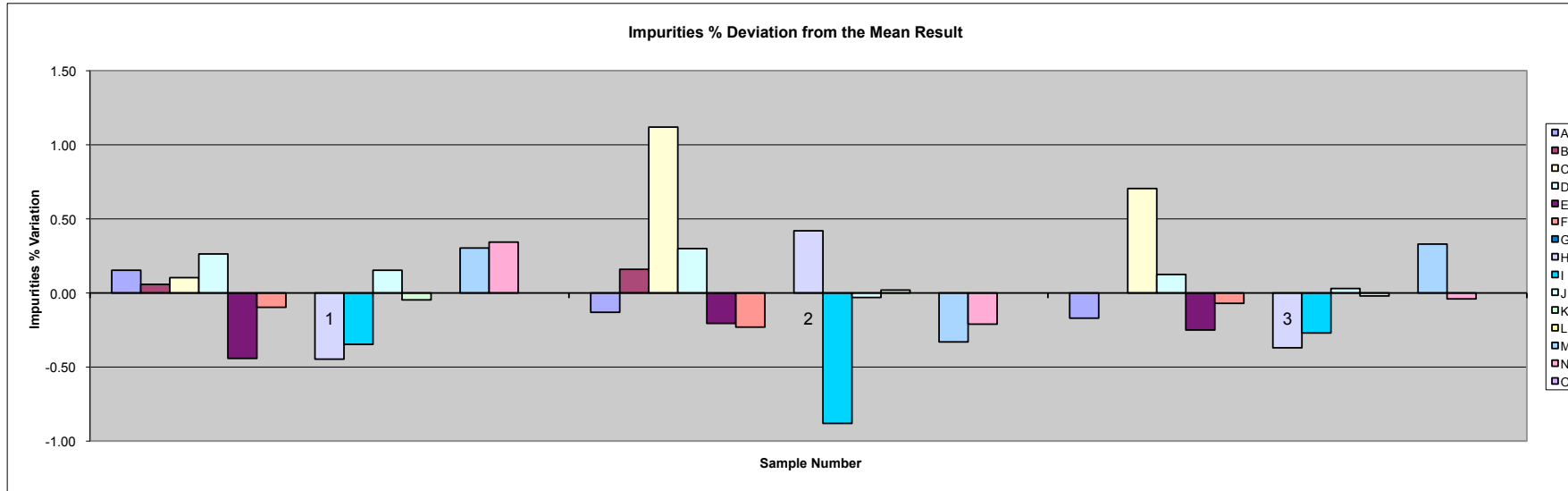
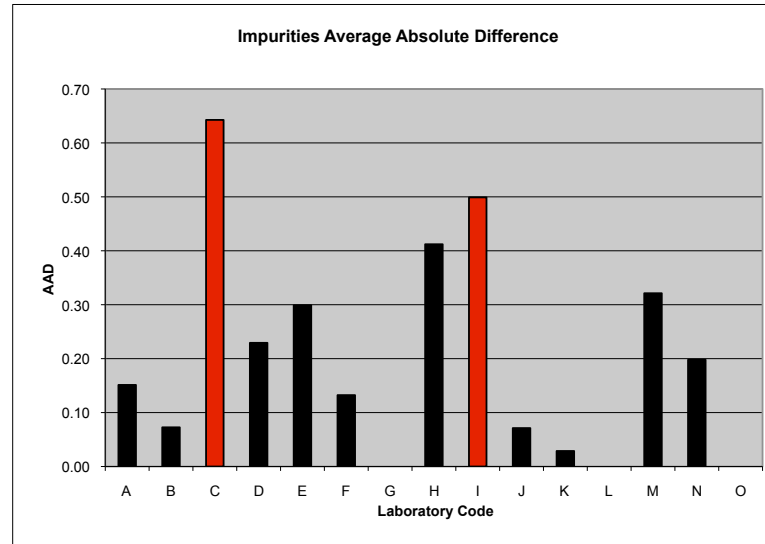
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Test Weight kg/hl								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	69.10	-0.40	64.60	-0.84	67.40	-0.57	-0.60	0.60
B	70.13	0.62	67.50	2.06	69.63	1.65	1.45	1.45
C	69.21	-0.29	64.72	-0.72	67.85	-0.13	-0.38	0.38
D	70.00	0.50	64.75	-0.69	67.25	-0.72	-0.30	0.64
E	69.40	-0.10	64.70	-0.74	66.90	-1.07	-0.64	0.64
F	71.00	1.50	67.00	1.56	69.25	1.28	1.45	1.45
G								
H	70.55	1.05	67.00	1.56	69.25	1.28	1.30	1.30
I	68.75	-0.75	63.30	-2.14	67.00	-0.97	-1.29	1.29
J	69.85	0.35	66.10	0.66	68.55	0.58	0.53	0.53
K	69.00	-0.50	65.00	-0.44	67.00	-0.97	-0.64	0.64
L								
M	69.03	-0.47	64.43	-1.01	65.93	-2.04	-1.17	1.17
N	68.01	-1.50	66.13	0.69	69.68	1.71	0.30	1.30
O								
MEAN	69.50		65.44		67.97			0.95
STDEV	0.83		1.28		1.25			



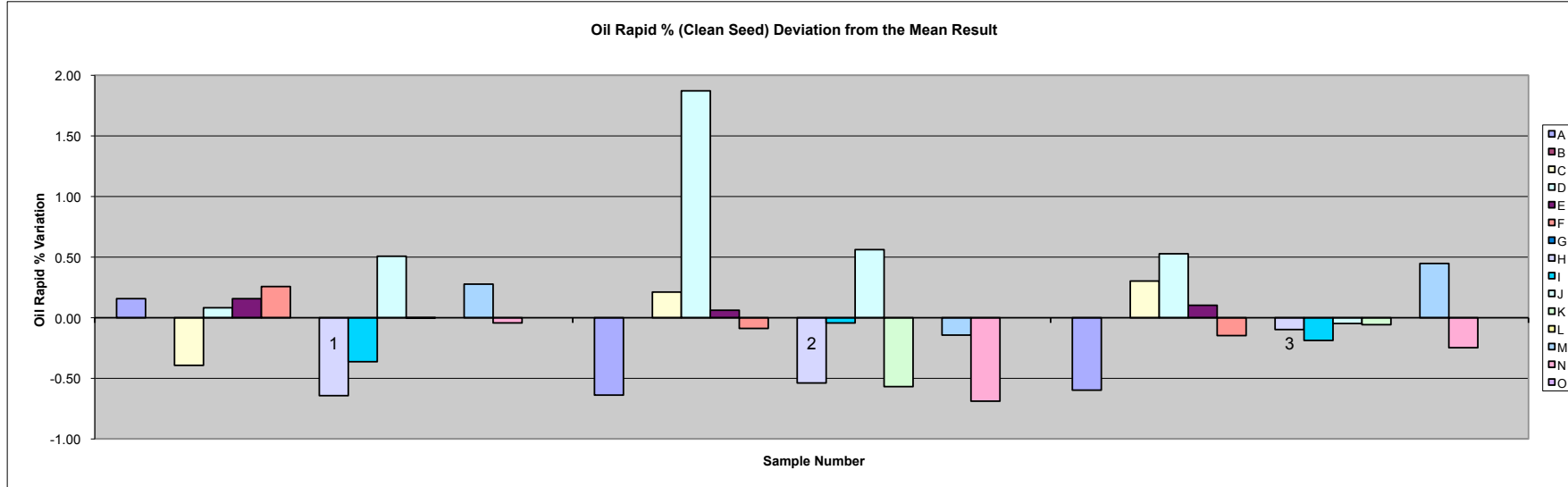
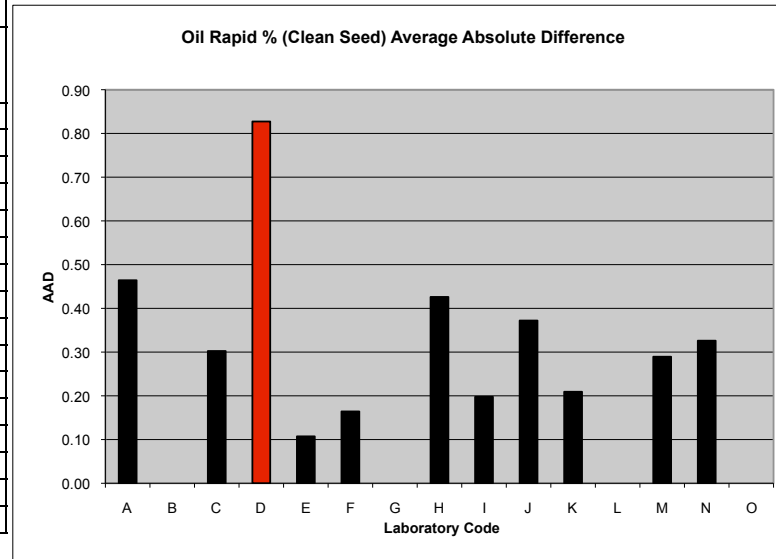
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Impurities %								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	1.25	0.15	2.05	-0.13	1.15	-0.17	-0.05	0.15
B	1.16	0.06	2.34	0.16	1.32	0.00	0.07	0.07
C	1.20	0.10	3.30	1.12	2.03	0.71	0.64	0.64
D	1.36	0.26	2.48	0.30	1.45	0.13	0.23	0.23
E	0.66	-0.44	1.98	-0.21	1.07	-0.25	-0.30	0.30
F	1.00	-0.10	1.95	-0.23	1.25	-0.07	-0.13	0.13
G								
H	0.65	-0.45	2.60	0.42	0.95	-0.37	-0.13	0.41
I	0.75	-0.35	1.30	-0.88	1.05	-0.27	-0.50	0.50
J	1.25	0.15	2.15	-0.03	1.35	0.03	0.05	0.07
K	1.05	-0.05	2.20	0.02	1.30	-0.02	-0.02	0.03
L								
M	1.40	0.30	1.85	-0.33	1.65	0.33	0.10	0.32
N	1.44	0.34	1.97	-0.21	1.28	-0.04	0.03	0.20
O								
MEAN	1.10		2.18		1.32			0.25
STDEV	0.28		0.48		0.29			



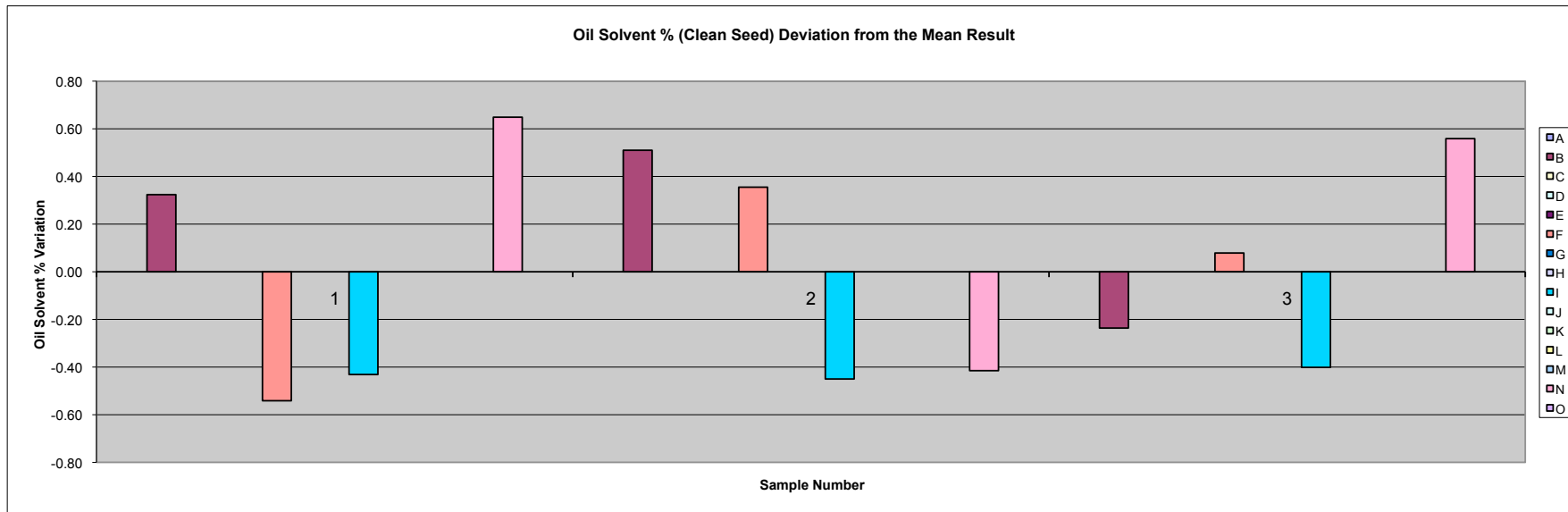
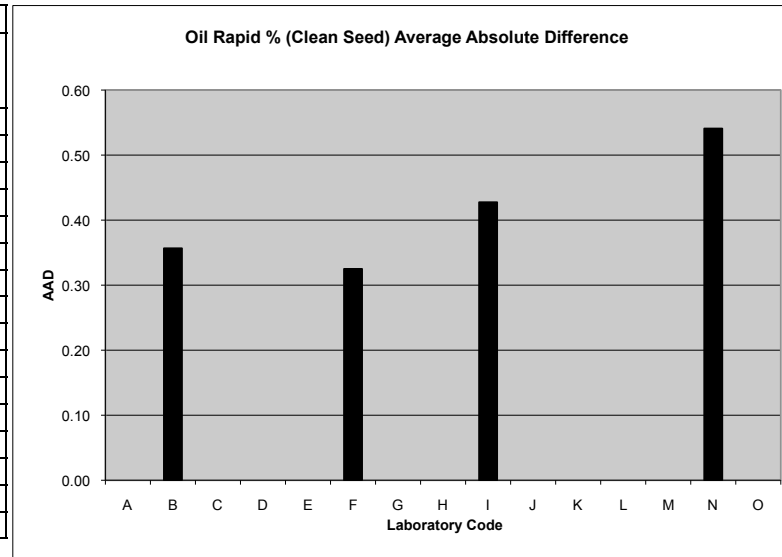
**2012 AOF Test Check Program
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Oil Rapid % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	40.20	0.16	46.20	-0.64	43.80	-0.60	-0.36	0.46
B								
C	39.65	-0.39	47.05	0.21	44.70	0.30	0.04	0.30
D	40.13	0.08	48.71	1.87	44.93	0.53	0.83	0.83
E	40.20	0.16	46.90	0.06	44.50	0.10	0.11	0.11
F	40.30	0.26	46.75	-0.09	44.25	-0.15	0.01	0.16
G								
H	39.40	-0.64	46.30	-0.54	44.30	-0.10	-0.43	0.43
I	39.68	-0.36	46.80	-0.04	44.21	-0.19	-0.20	0.20
J	40.55	0.51	47.40	0.56	44.35	-0.05	0.34	0.37
K	40.05	0.00	46.27	-0.57	44.34	-0.06	-0.21	0.21
L								
M	40.32	0.28	46.70	-0.14	44.85	0.45	0.19	0.29
N	40.00	-0.04	46.15	-0.69	44.15	-0.25	-0.33	0.33
O								
MEAN	40.04		46.84		44.40			0.34
STDEV	0.34		0.73		0.33			



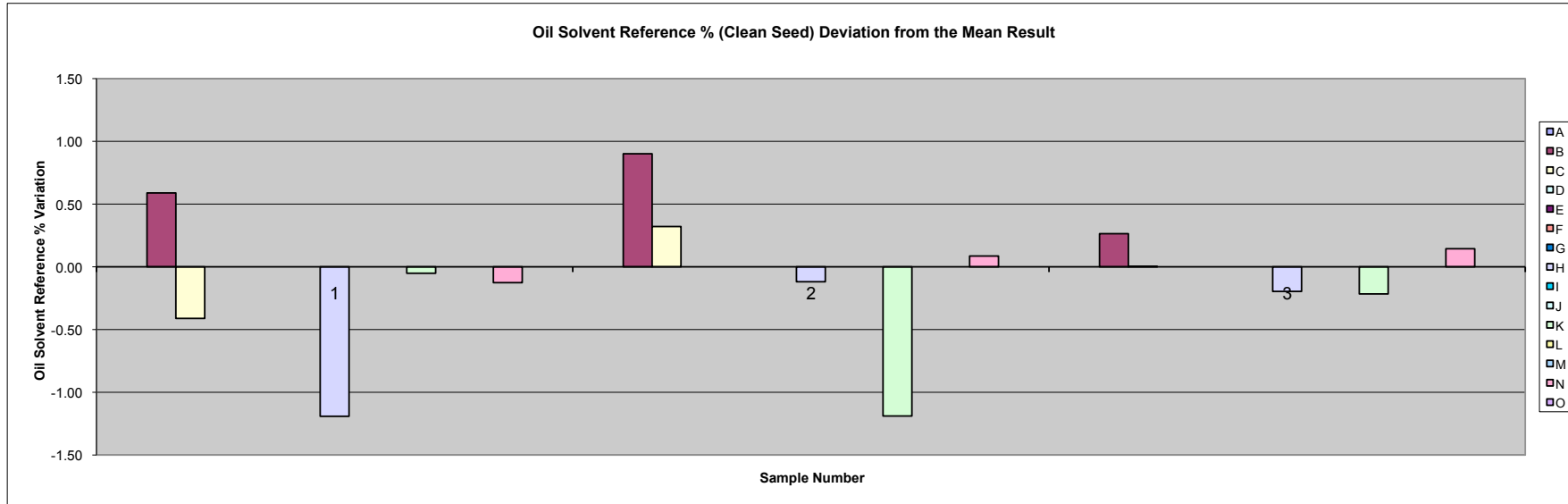
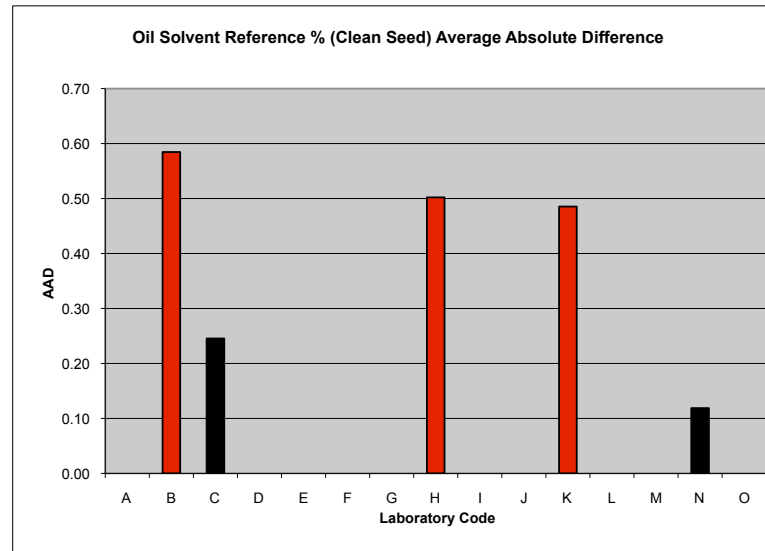
**2012 AOF Test Check Program
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Oil Solvent % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	40.52	0.32	47.66	0.51	44.19	-0.24	0.20	0.36
C								
D								
E								
F	39.65	-0.54	47.50	0.36	44.50	0.08	-0.04	0.33
G								
H								
I	39.76	-0.43	46.70	-0.45	44.02	-0.40	-0.43	0.43
J								
K								
L								
M								
N	40.84	0.65	46.73	-0.41	44.98	0.56	0.26	0.54
O								
MEAN	40.19		47.15		44.42			0.41
STDEV	0.58		0.50		0.42			



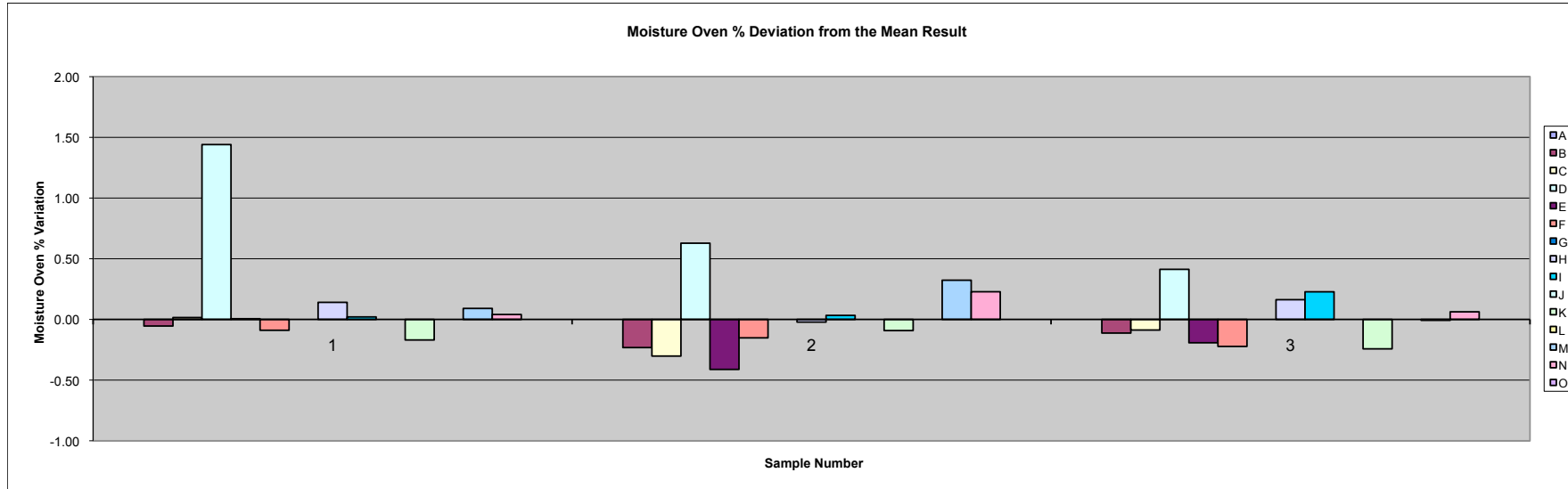
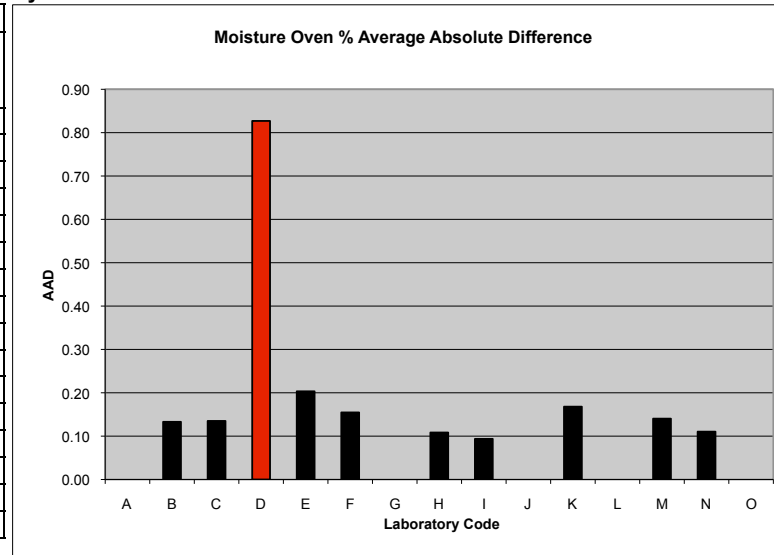
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Oil Solvent Reference % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	40.78	0.59	47.87	0.90	44.56	0.26	0.58	0.58
C	39.78	-0.41	47.29	0.32	44.30	0.00	-0.03	0.25
D								
E								
F								
G								
H	39.00	-1.19	46.85	-0.12	44.10	-0.20	-0.50	0.50
I								
J								
K	40.14	-0.05	45.78	-1.19	44.08	-0.22	-0.49	0.49
L								
M								
N	40.07	-0.13	47.06	0.09	44.44	0.14	0.03	0.12
O								
MEAN	39.95		46.97		44.30			0.39
STDEV	0.65		0.77		0.21			



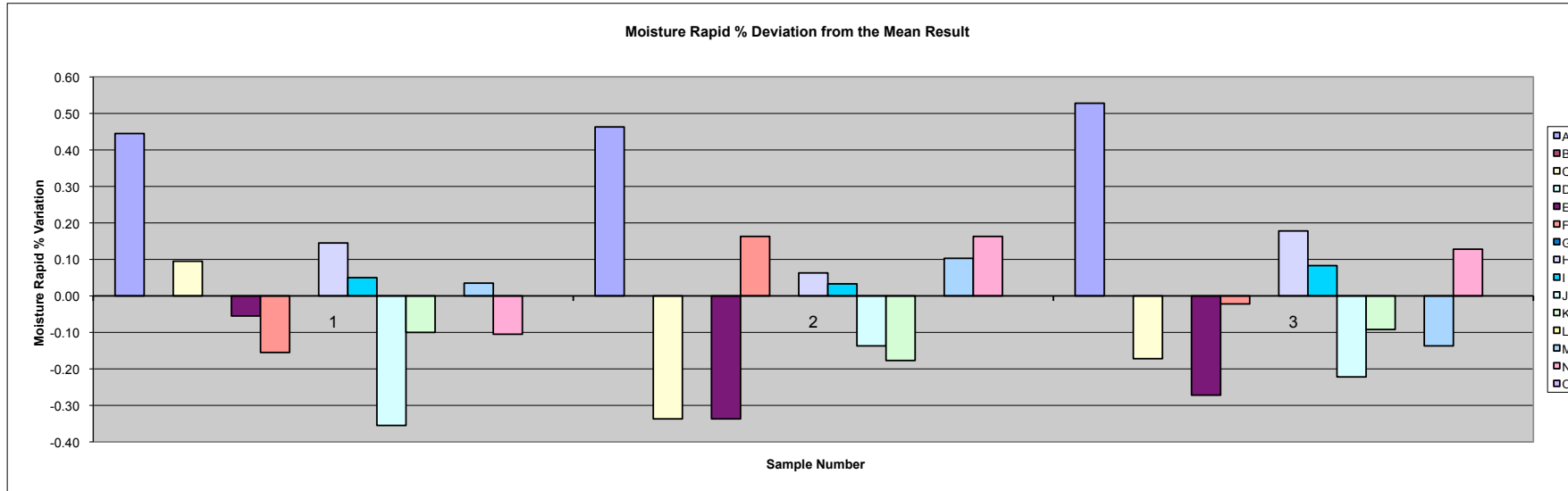
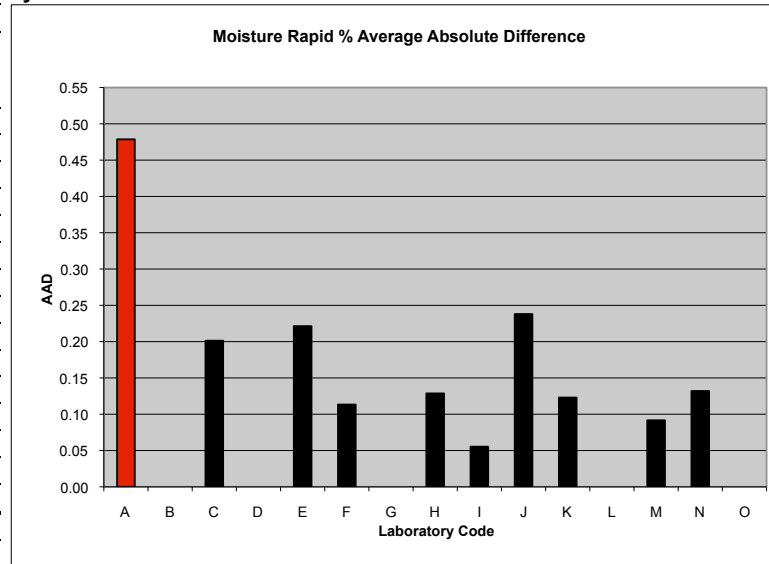
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Moisture Oven % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	6.16	-0.05	6.49	-0.23	5.88	-0.11	-0.13	0.13
C	6.23	0.02	6.42	-0.30	5.90	-0.09	-0.12	0.14
D	7.65	1.44	7.35	0.63	6.40	0.41	0.83	0.83
E	6.22	0.01	6.31	-0.41	5.80	-0.19	-0.20	0.20
F	6.12	-0.09	6.57	-0.15	5.77	-0.22	-0.15	0.15
G								
H	6.35	0.14	6.70	-0.02	6.15	0.16	0.09	0.11
I	6.23	0.02	6.76	0.03	6.22	0.23	0.09	0.09
J								
K	6.04	-0.17	6.63	-0.09	5.75	-0.24	-0.17	0.17
L								
M	6.30	0.09	7.05	0.32	5.98	-0.01	0.14	0.14
N	6.25	0.04	6.95	0.23	6.05	0.06	0.11	0.11
O								
MEAN	6.21		6.72		5.99			0.21
STDEV	0.46		0.32		0.22			



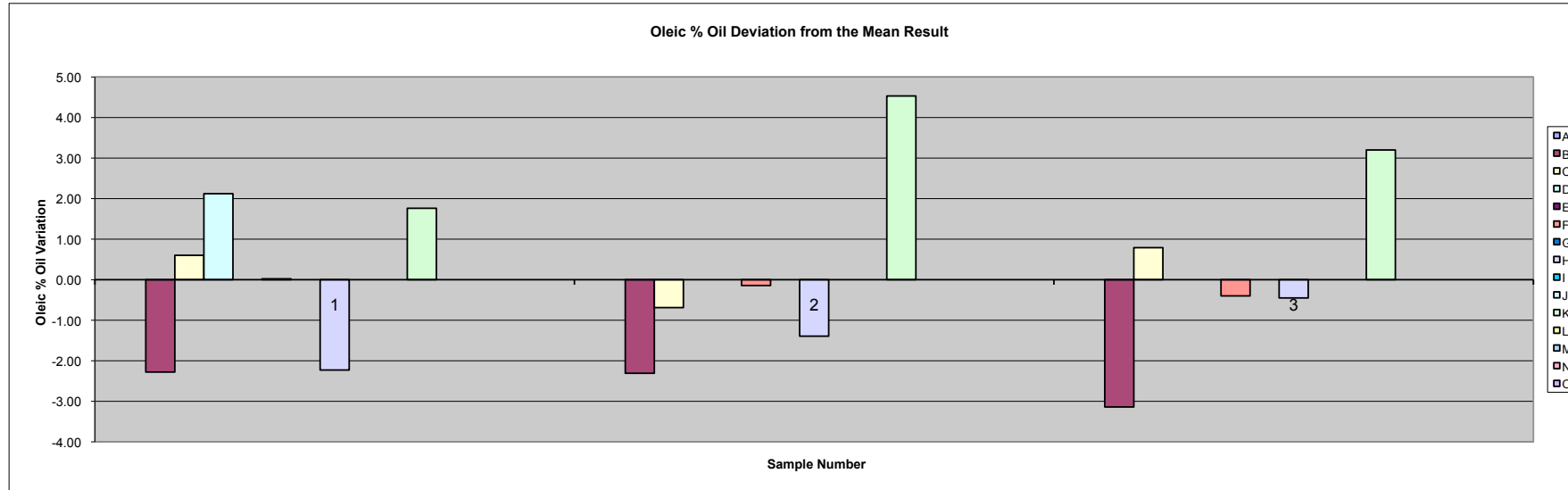
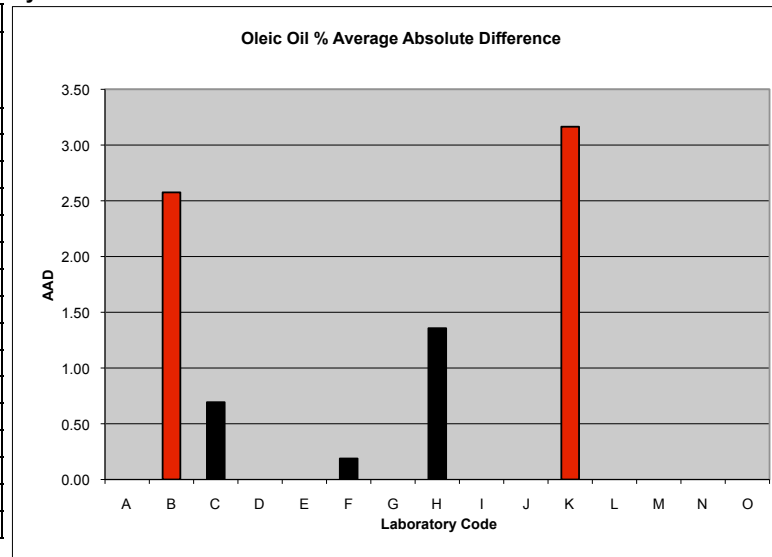
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Moisture Rapid % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	6.70	0.45	7.00	0.46	6.55	0.53	0.48	0.48
B								
C	6.35	0.09	6.20	-0.34	5.85	-0.17	-0.14	0.20
D								
E	6.20	-0.05	6.20	-0.34	5.75	-0.27	-0.22	0.22
F	6.10	-0.16	6.70	0.16	6.00	-0.02	0.00	0.11
G								
H	6.40	0.15	6.60	0.06	6.20	0.18	0.13	0.13
I	6.31	0.05	6.57	0.03	6.11	0.08	0.06	0.06
J	5.90	-0.36	6.40	-0.14	5.80	-0.22	-0.24	0.24
K	6.16	-0.10	6.36	-0.18	5.93	-0.09	-0.12	0.12
L								
M	6.29	0.04	6.64	0.10	5.89	-0.14	0.00	0.09
N	6.15	-0.11	6.70	0.16	6.15	0.13	0.06	0.13
O								
MEAN	6.26		6.54		6.02			0.18
STDEV	0.21		0.25		0.24			



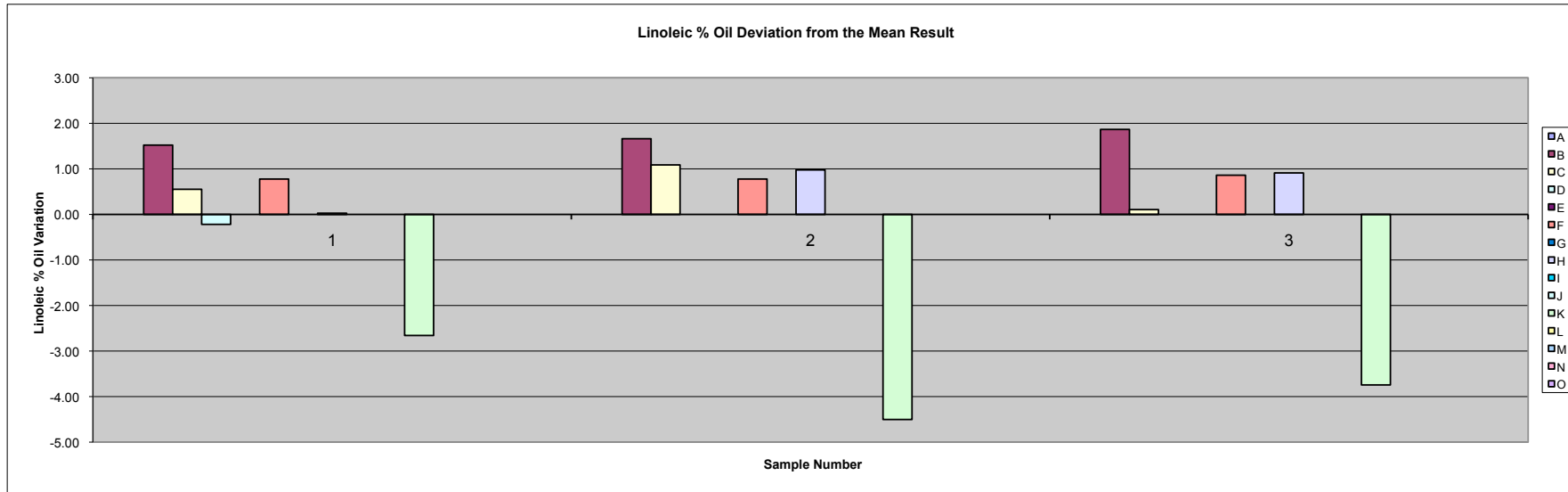
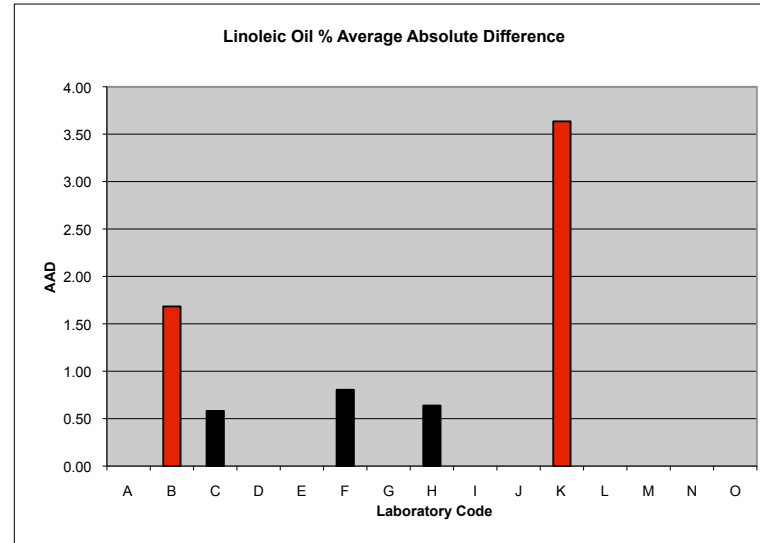
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Oleic % Oil Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	56.60	-2.28	62.64	-2.31	56.31	-3.14	-2.58	2.58
C	59.48	0.60	64.26	-0.69	60.24	0.79	0.23	0.69
D	61.00	2.12						
E								
F	58.90	0.02	64.80	-0.14	59.05	-0.40	-0.17	0.19
G								
H	56.65	-2.23	63.55	-1.39	59.00	-0.45	-1.36	1.36
I								
J								
K	60.64	1.76	69.48	4.53	62.65	3.20	3.16	3.16
L								
M								
N								
O								
MEAN	58.88		64.94		59.45			1.60
STDEV	1.90		2.66		2.30			



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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	22.70	1.52	18.74	1.66	23.11	1.87	1.68	1.68
C	21.73	0.55	18.16	1.09	21.35	0.11	0.58	0.58
D	20.96	-0.22						
E								
F	21.95	0.78	17.85	0.78	22.10	0.86	0.80	0.80
G								
H	21.20	0.03	18.05	0.98	22.15	0.91	0.64	0.64
I								
J								
K	18.52	-2.66	12.57	-4.50	17.50	-3.74	-3.64	3.64
L								
M								
N								
O								
MEAN	21.17		17.07		21.24			1.47
STDEV	1.44		2.54		2.18			



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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	0.33	-0.05	0.09	-0.11	0.17	-0.05	-0.07	0.07
C	0.20	-0.18	0.23	0.03	0.23	0.02	-0.04	0.08
D								
E	0.58	0.20	0.32	0.12	0.30	0.09	0.14	0.14
F	0.60	0.21	0.35	0.15	0.30	0.09	0.15	0.15
G								
H	0.28	-0.10	0.12	-0.08	0.12	-0.09	-0.09	0.09
I								
J								
K	0.30	-0.08	0.08	-0.12	0.16	-0.05	-0.08	0.08
L								
M								
N								
O								
MEAN	0.38		0.20		0.21			0.10
STDEV	0.17		0.12		0.08			

