



**2012 AOF Test Check Program
Monthly Report
Round 4
April 2012**

01/04/2012 – 01/05/2012

Result Receival Dates

Lab Code	Date
A	11/04/2012
B	30/04/2012
C	09/05/2012
D	01/05/2012
E	13/04/2012
F	23/04/2012
G	30/04/2012
H	30/04/2012
I	18/04/2012
J	19/04/2012
K	23/04/2012
L	19/04/2012
M	01/05/2012
N	30/04/2012
O	-

Discussion of Results

Test Weight

Sample 1 – No outliers were observed.

Sample 2 – One outlier was identified for lab **B** with a 0.20 percent discrepancy from the upper (65.80%) quartile limit.

Sample 3 – No outliers were observed.

Impurities

Sample 1 – No outliers were observed.

Sample 2 – One outlier was identified for lab **H** with a 0.13 percent discrepancy from the lower (1.23%) quartile limit.

Sample 3 – Two outliers was identified for lab **C** with a 0.14 percent discrepancy and **G** with a 0.16 percent discrepancy from the upper (2.97%) quartile limit.



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Oil Rapid

Sample 1 – No outliers were observed.

Sample 2 – No outliers were observed.

Sample 3 – One outlier was identified for lab **D** with a 0.72 percent discrepancy from the upper (48.08%) quartile limit.

Oil Solvent (ISO 659)

Sample 1 – One outlier was identified for lab **G** with a 0.55 of a percent discrepancy from the lower (39.15%) quartile limit.

Sample 2 – One outlier was identified for lab **G** with a 1.98 of a percent discrepancy from the lower (42.75%) quartile limit. One outlier was identified for lab **N** with a 0.25 of a percent discrepancy from the upper (43.23%) quartile limit.

Sample 3 – One outlier was identified for lab **G** with a 2.70 of a percent discrepancy from the lower (47.38%) quartile limit.

Oil Solvent Reference (AOCS Method Am 2-93)

Sample 1 – One outlier was identified for lab **K** with a 0.13 of a percent discrepancy from the lower (39.35%) quartile limit.

Sample 2 – No outliers were observed.

Sample 3 – One outlier was identified for lab **K** with a 1.16 of a percent discrepancy from the lower (46.60%) quartile limit.

Moisture Oven

Sample 1 – One outlier was identified for lab **D** with a 0.02 percent discrepancy from the lower (6.68%) quartile limit.

Sample 2 – One outlier was identified for lab **C** with a 0.11 percent discrepancy from the lower (5.61%) quartile limit. Two outliers were identified for lab **D** with a 0.13 percent discrepancy and **H** with a 0.23 percent discrepancy from the upper (6.13%) quartile limit.

Sample 3 – Two outliers were identified for lab **C** with a 0.19 percent discrepancy and **E** with a 0.07 percent discrepancy from the lower (6.03%) quartile limit. One outlier was identified for lab **D** with a 0.12 percent discrepancy from the upper (6.79%) quartile limit.



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Moisture Rapid

Sample 1 – One outlier was identified for lab **A** at the upper (6.50%) quartile limit. One outlier was identified for lab **J** with a 0.24 percent discrepancy from the lower (5.64%) quartile limit.

Sample 2 – No outliers were observed.

Sample 3 – One outlier was identified for lab **A** with a 0.07 percent discrepancy from the upper (6.48%) quartile limit.

Oleic Oil

Sample 1 – No outliers were observed.

Sample 2 – No outliers were observed.

Sample 3 – One outlier was identified for lab **K** with a 4.35 of a percent discrepancy from the upper (67.32%) quartile limit.

Linoleic Oil

Sample 1 – One outlier was identified for lab **D** with a 0.66 of a percent discrepancy from the upper (23.60%) quartile limit. One outlier was identified for lab **K** with a 2.64 of a percent discrepancy from the lower (21.48%) quartile limit.

Sample 2 – One outlier was identified for lab **K** with a 2.57 of a percent discrepancy from the lower (18.66%) quartile limit.

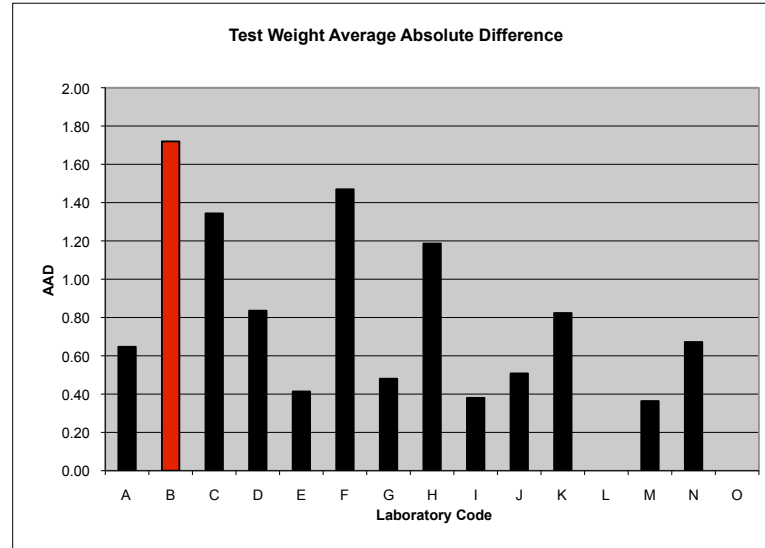
Sample 3 – One outlier was identified for lab **D** with a 1.53 of a percent discrepancy from the upper (19.41%) quartile limit. One outlier was identified for lab **K** with a 4.56 of a percent discrepancy from the lower (17.73%) quartile limit.

Free Fatty Acid

No outliers were observed.

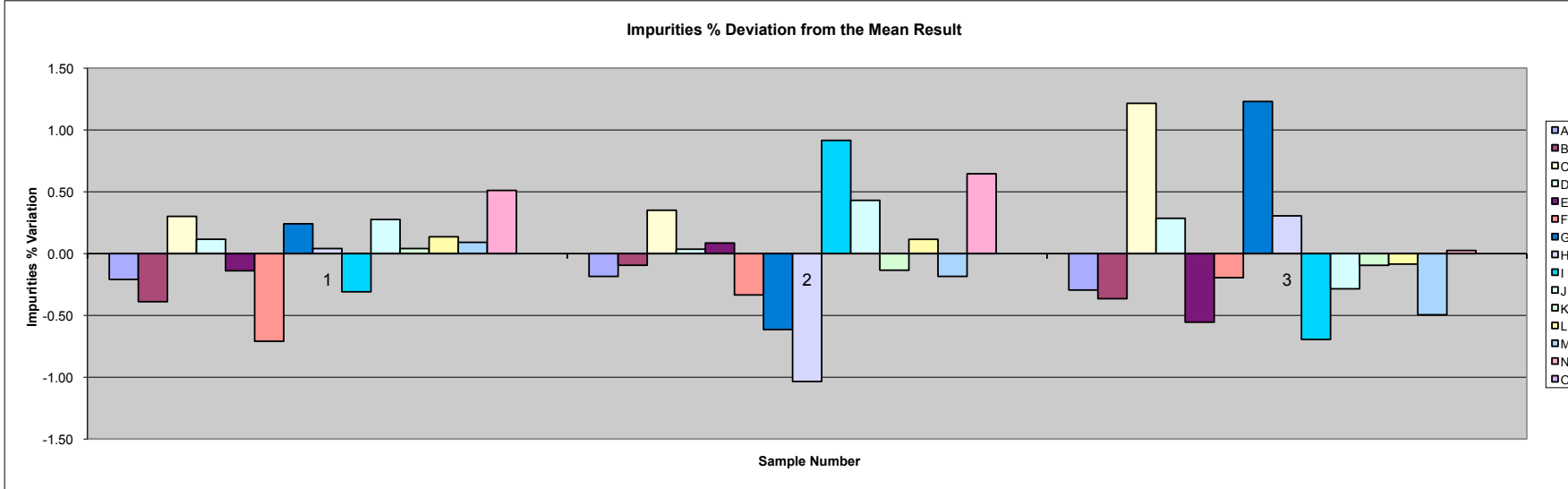
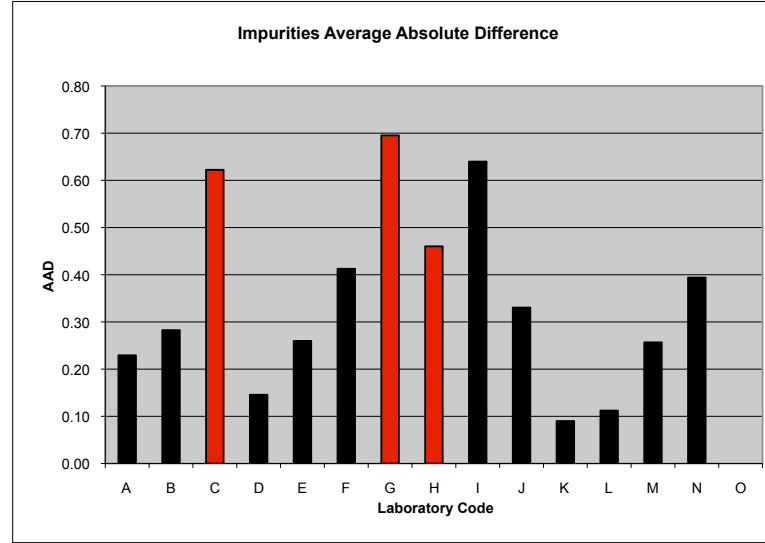
**2012 AOF Test Check Program
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Test Weight kg/hl								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	68.80	-0.43	62.80	-0.64	64.80	-0.87	-0.65	0.65
B	70.25	1.02	66.00	2.56	67.25	1.58	1.72	1.72
C	67.58	-1.65	62.58	-0.86	64.16	-1.52	-1.34	1.34
D	71.00	1.77	64.00	0.56	65.50	-0.17	0.72	0.84
E	68.90	-0.33	62.80	-0.64	65.40	-0.27	-0.41	0.41
F	70.75	1.52	64.25	0.81	67.75	2.08	1.47	1.47
G	69.15	-0.08	63.25	-0.19	64.50	-1.17	-0.48	0.48
H	70.15	0.92	65.40	1.96	66.35	0.68	1.19	1.19
I	68.75	-0.48	63.00	-0.44	65.45	-0.22	-0.38	0.38
J	69.69	0.46	63.46	0.02	66.72	1.04	0.51	0.51
K	68.00	-1.23	64.00	0.56	65.00	-0.67	-0.45	0.82
L								
M	68.65	-0.58	63.10	-0.34	65.50	-0.17	-0.36	0.36
N	68.34	-0.89	62.59	-0.85	65.40	-0.28	-0.67	0.67
O								
MEAN	69.23		63.44		65.67			0.83
STDEV	1.06		1.07		1.06			



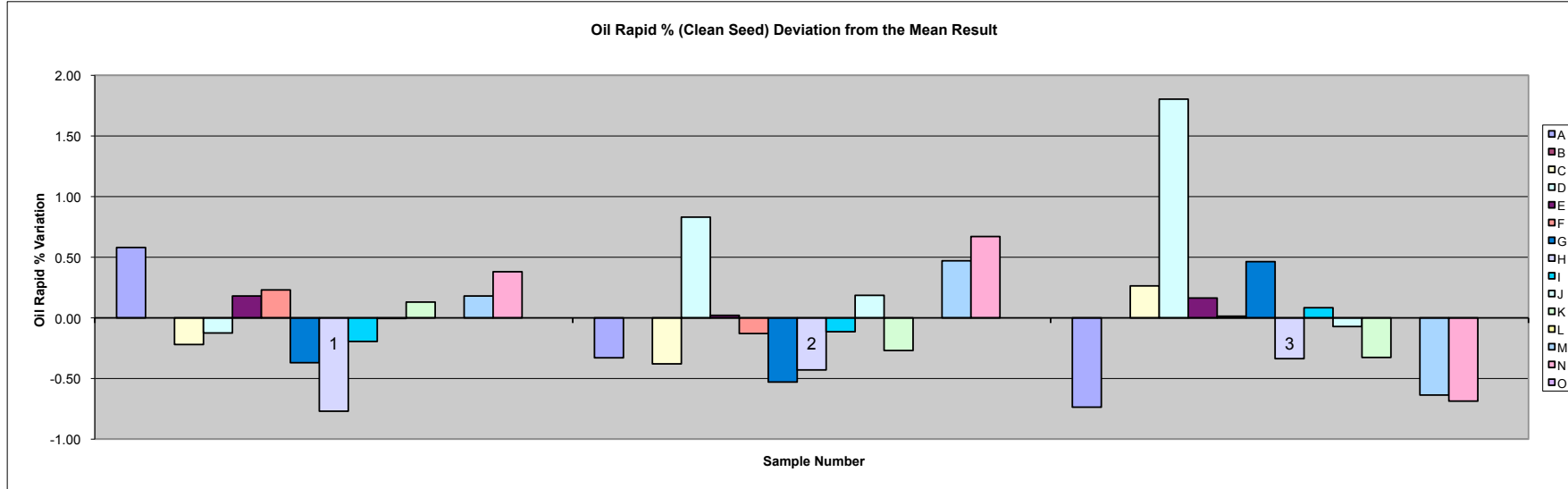
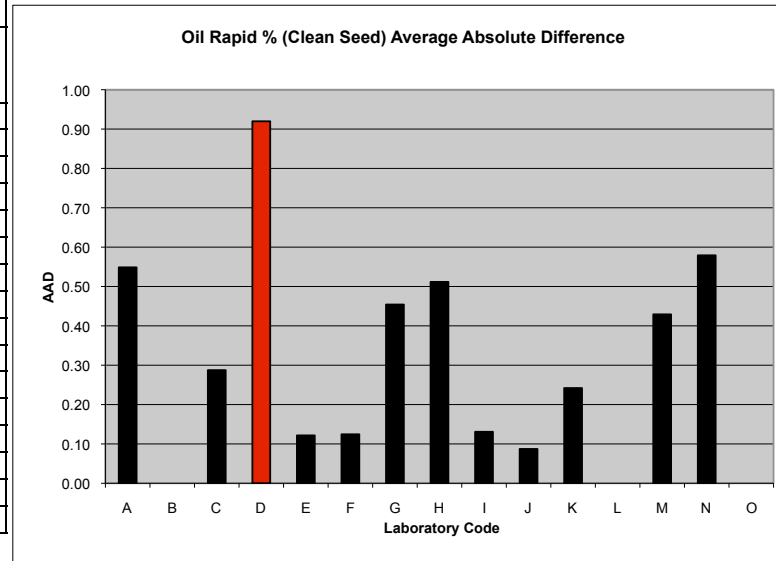
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Impurities %								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	1.10	-0.21	1.95	-0.18	1.60	-0.29	-0.23	0.23
B	0.92	-0.39	2.04	-0.09	1.53	-0.36	-0.28	0.28
C	1.61	0.30	2.49	0.35	3.11	1.22	0.62	0.62
D	1.43	0.12	2.17	0.04	2.18	0.29	0.15	0.15
E	1.17	-0.14	2.22	0.09	1.34	-0.55	-0.20	0.26
F	0.60	-0.71	1.80	-0.33	1.70	-0.19	-0.41	0.41
G	1.55	0.24	1.52	-0.61	3.13	1.23	0.29	0.70
H	1.35	0.04	1.10	-1.03	2.20	0.31	-0.23	0.46
I	1.00	-0.31	3.05	0.92	1.20	-0.69	-0.03	0.64
J	1.59	0.28	2.57	0.43	1.61	-0.28	0.14	0.33
K	1.35	0.04	2.00	-0.13	1.80	-0.09	-0.06	0.09
L	1.45	0.14	2.25	0.12	1.81	-0.08	0.06	0.11
M	1.40	0.09	1.95	-0.18	1.40	-0.49	-0.20	0.26
N	1.82	0.51	2.78	0.65	1.92	0.03	0.39	0.39
O								
MEAN	1.31		2.13		1.89			0.35
STDEV	0.32		0.50		0.59			



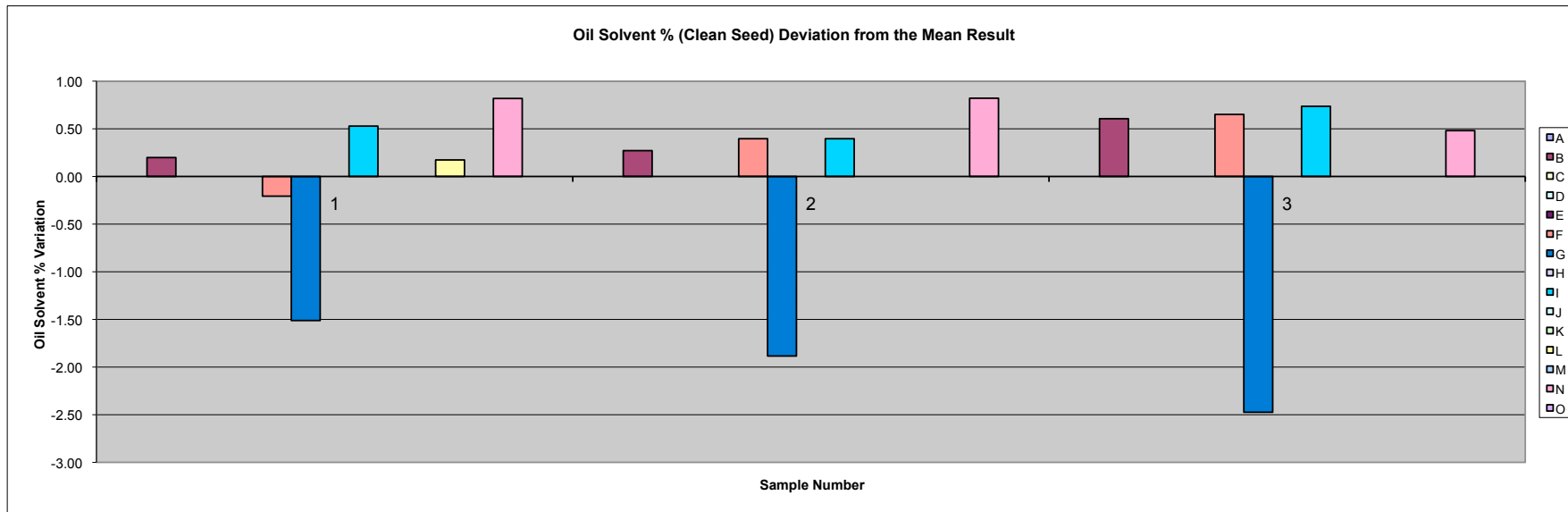
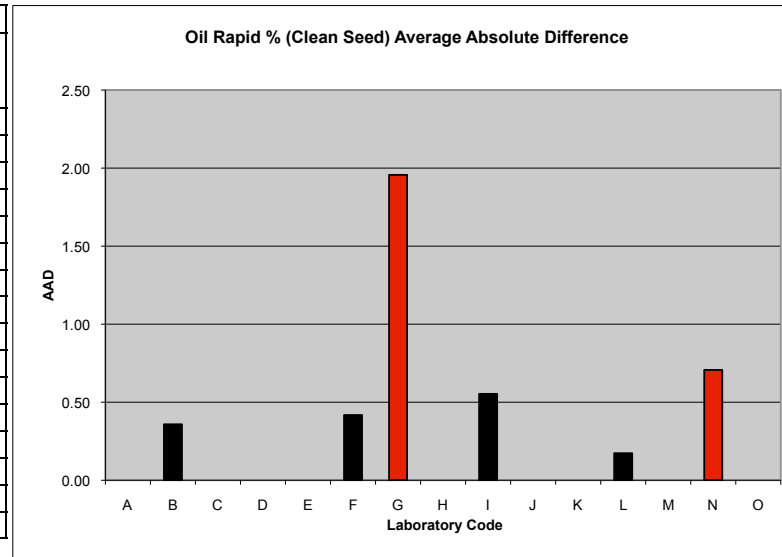
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Oil Rapid % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	40.70	0.58	42.35	-0.33	46.25	-0.74	-0.16	0.55
B								
C	39.90	-0.22	42.30	-0.38	47.25	0.26	-0.11	0.29
D	40.00	-0.12	43.51	0.83	48.79	1.80	0.84	0.92
E	40.30	0.18	42.70	0.02	47.15	0.16	0.12	0.12
F	40.35	0.23	42.55	-0.13	47.00	0.01	0.04	0.12
G	39.75	-0.37	42.15	-0.53	47.45	0.46	-0.15	0.45
H	39.35	-0.77	42.25	-0.43	46.65	-0.34	-0.51	0.51
I	39.93	-0.19	42.57	-0.11	47.07	0.08	-0.08	0.13
J	40.12	0.00	42.87	0.19	46.92	-0.07	0.04	0.09
K	40.25	0.13	42.41	-0.27	46.66	-0.33	-0.16	0.24
L								
M	40.30	0.18	43.15	0.47	46.35	-0.64	0.00	0.43
N	40.50	0.38	43.35	0.67	46.30	-0.69	0.12	0.58
O								
MEAN	40.12		42.68		46.99			0.37
STDEV	0.36		0.45		0.69			



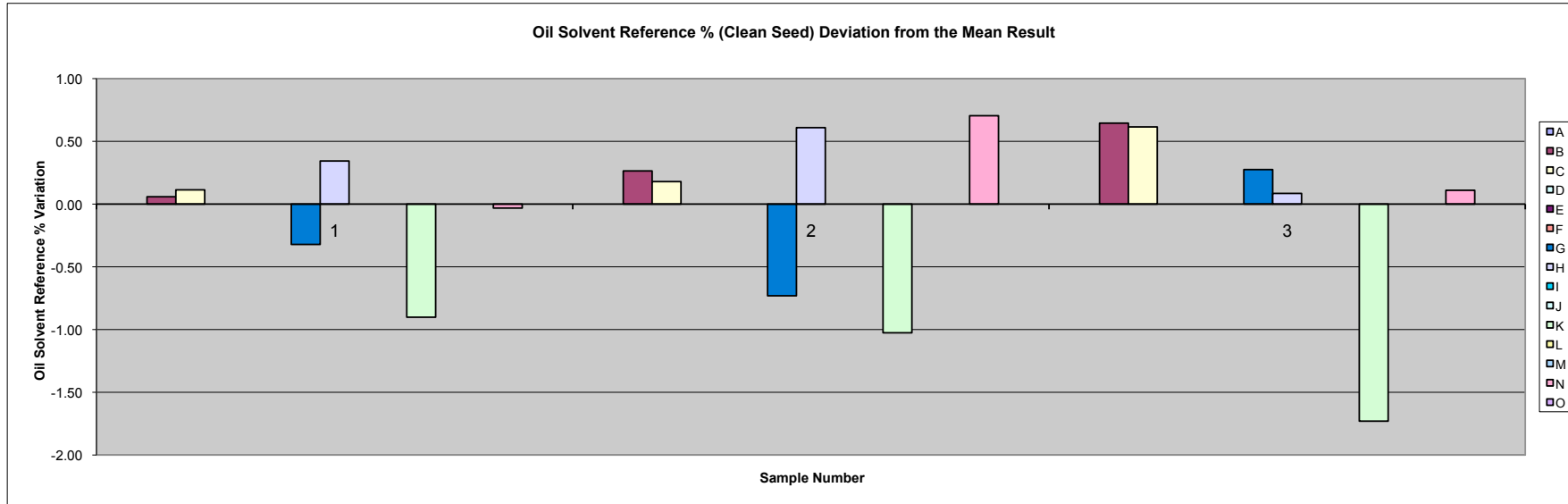
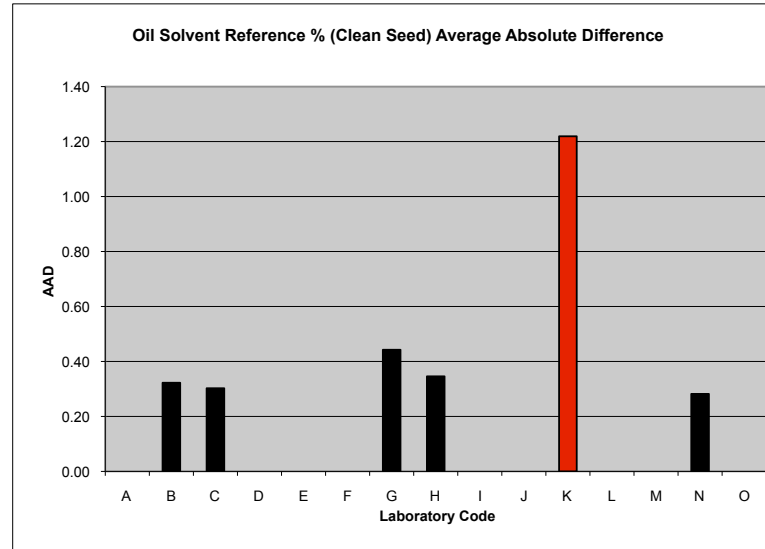
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Oil Solvent % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	40.31	0.20	42.93	0.27	47.76	0.61	0.36	0.36
C								
D								
E								
F	39.90	-0.21	43.05	0.40	47.80	0.65	0.28	0.42
G	38.60	-1.51	40.77	-1.88	44.68	-2.47	-1.96	1.96
H								
I	40.64	0.53	43.05	0.40	47.89	0.74	0.55	0.55
J								
K								
L	40.28	0.17					0.17	0.17
M								
N	40.93	0.82	43.48	0.82	47.63	0.48	0.71	0.71
O								
MEAN	40.11		42.65		47.15			0.69
STDEV	0.82		1.07		1.39			



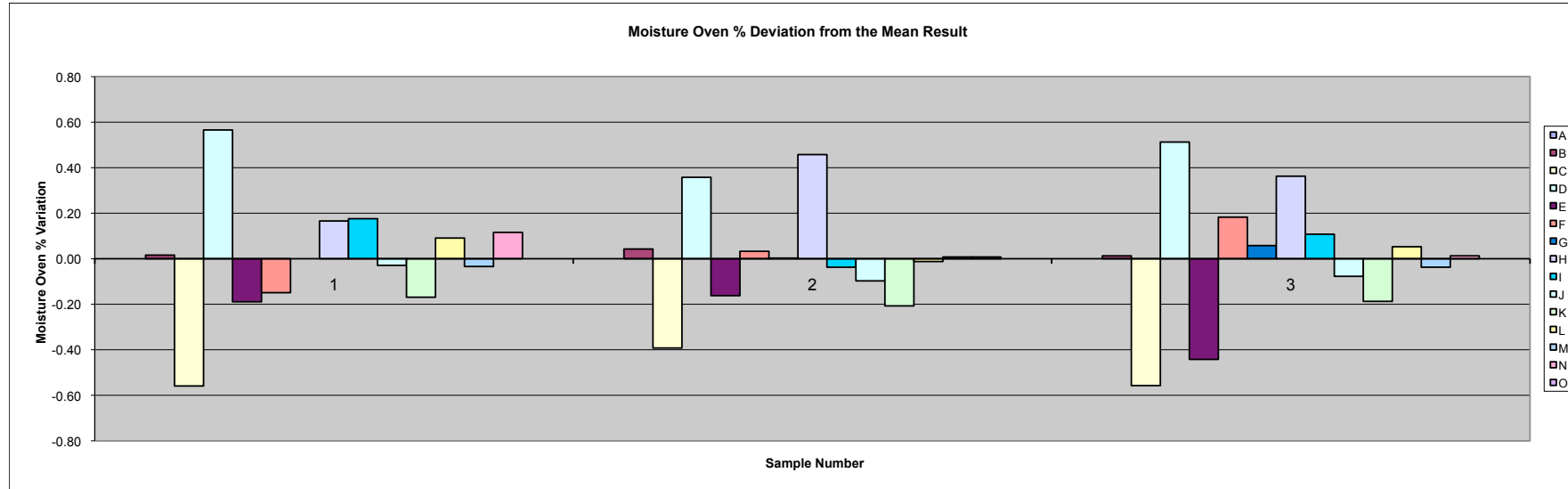
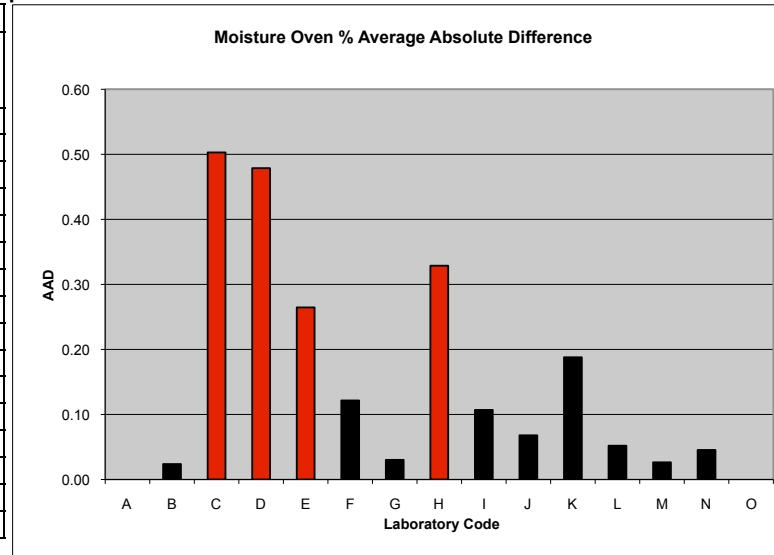
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Oil Solvent Reference % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	40.17	0.06	42.96	0.26	47.81	0.65	0.32	0.32
C	40.22	0.11	42.87	0.18	47.78	0.62	0.30	0.30
D								
E								
F								
G	39.79	-0.32	41.96	-0.73	47.44	0.27	-0.26	0.44
H	40.45	0.34	43.30	0.61	47.25	0.09	0.35	0.35
I								
J								
K	39.21	-0.90	41.67	-1.03	45.44	-1.73	-1.22	1.22
L								
M								
N	40.08	-0.03	43.40	0.70	47.28	0.11	0.26	0.28
O								
MEAN	39.98		42.69		47.17			0.49
STDEV	0.44		0.71		0.88			



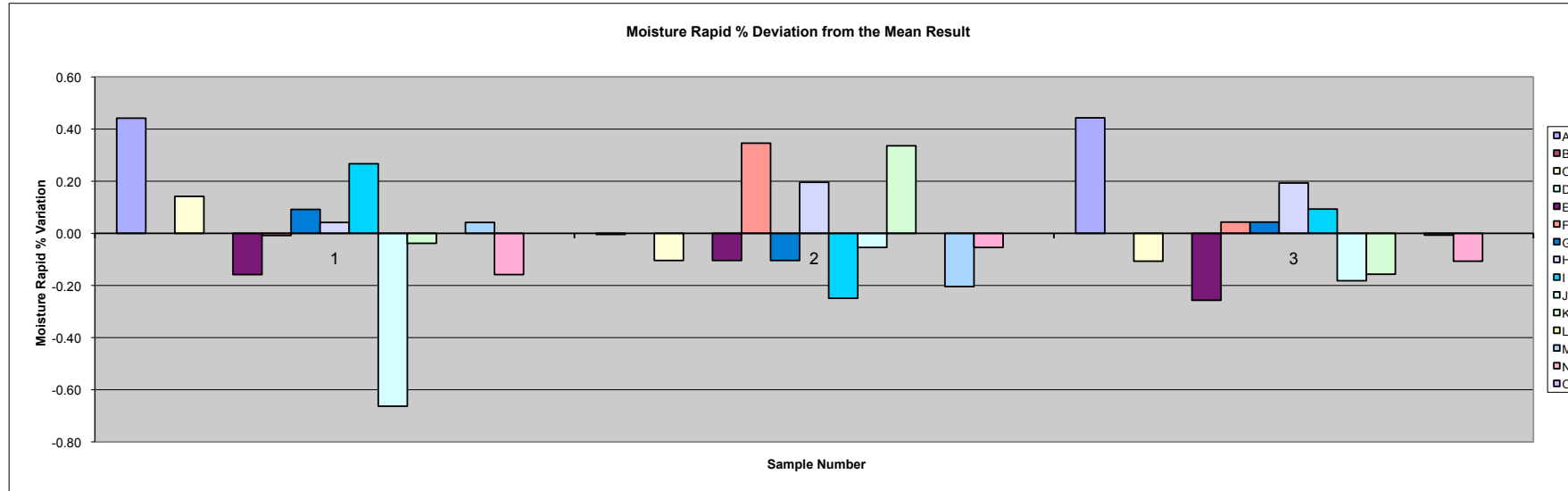
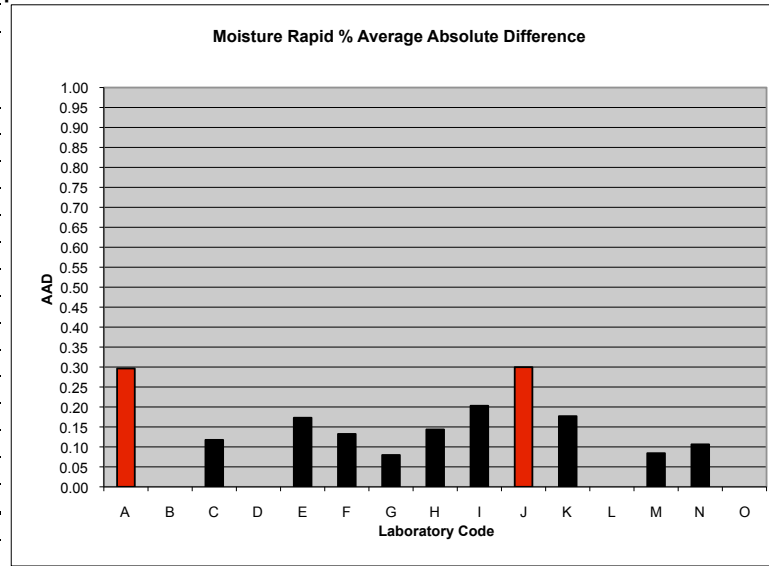
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Moisture Oven % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	6.15	0.02	5.94	0.04	6.40	0.01	0.02	0.02
C	5.58	-0.56	5.50	-0.39	5.83	-0.56	-0.50	0.50
D	6.70	0.57	6.25	0.36	6.90	0.51	0.48	0.48
E	5.95	-0.19	5.73	-0.16	5.95	-0.44	-0.26	0.26
F	5.99	-0.15	5.93	0.03	6.57	0.18	0.02	0.12
G			5.90	0.00	6.45	0.06	0.03	0.03
H	6.30	0.17	6.35	0.46	6.75	0.36	0.33	0.33
I	6.31	0.18	5.86	-0.04	6.50	0.11	0.08	0.11
J	6.11	-0.03	5.80	-0.10	6.31	-0.08	-0.07	0.07
K	5.97	-0.17	5.69	-0.21	6.20	-0.19	-0.19	0.19
L	6.23	0.09	5.88	-0.01	6.44	0.05	0.04	0.05
M	6.10	-0.03	5.90	0.01	6.35	-0.04	-0.02	0.03
N	6.25	0.12	5.90	0.01	6.40	0.01	0.05	0.05
O								
MEAN	6.13		5.89		6.39			0.17
STDEV	0.27		0.22		0.29			



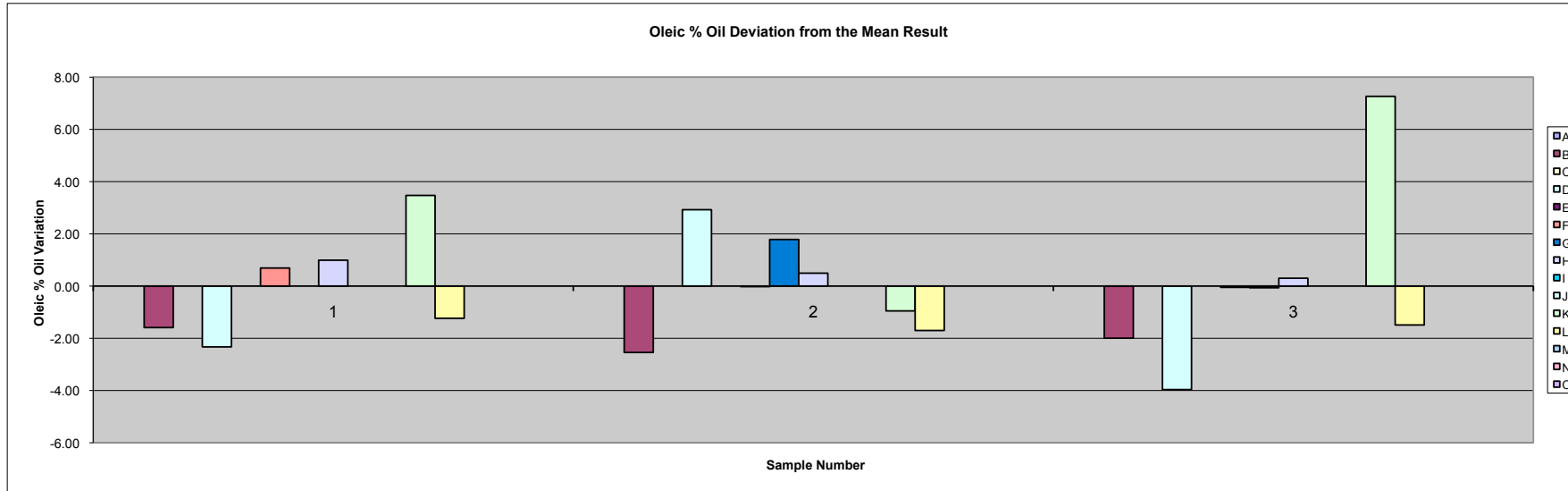
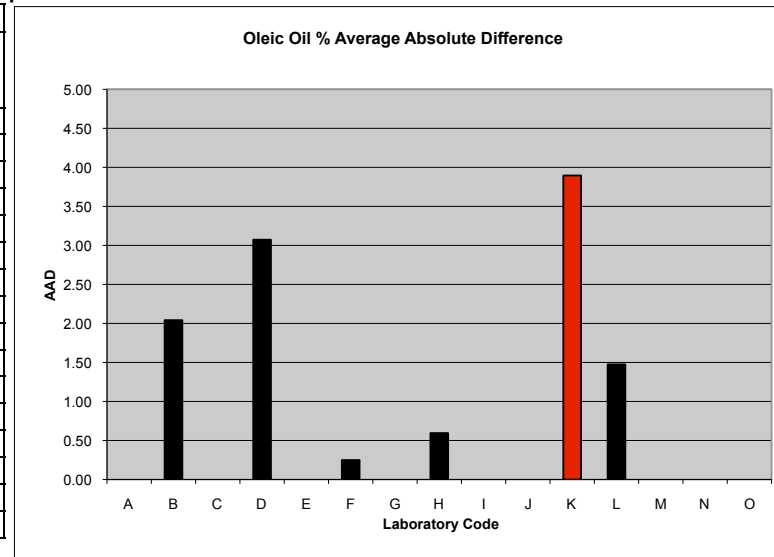
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Moisture Rapid % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	6.50	0.44	5.80	0.00	6.55	0.44	0.29	0.30
B								
C	6.20	0.14	5.70	-0.10	6.00	-0.11	-0.02	0.12
D								
E	5.90	-0.16	5.70	-0.10	5.85	-0.26	-0.17	0.17
F	6.05	-0.01	6.15	0.35	6.15	0.04	0.13	0.13
G	6.15	0.09	5.70	-0.10	6.15	0.04	0.01	0.08
H	6.10	0.04	6.00	0.20	6.30	0.19	0.14	0.14
I	6.33	0.27	5.56	-0.25	6.20	0.09	0.04	0.20
J	5.40	-0.66	5.75	-0.05	5.93	-0.18	-0.30	0.30
K	6.02	-0.04	6.14	0.34	5.95	-0.16	0.05	0.18
L								
M	6.10	0.04	5.60	-0.20	6.10	-0.01	-0.06	0.08
N	5.90	-0.16	5.75	-0.05	6.00	-0.11	-0.11	0.11
O								
MEAN	6.06		5.80		6.11			0.16
STDEV	0.28		0.20		0.20			



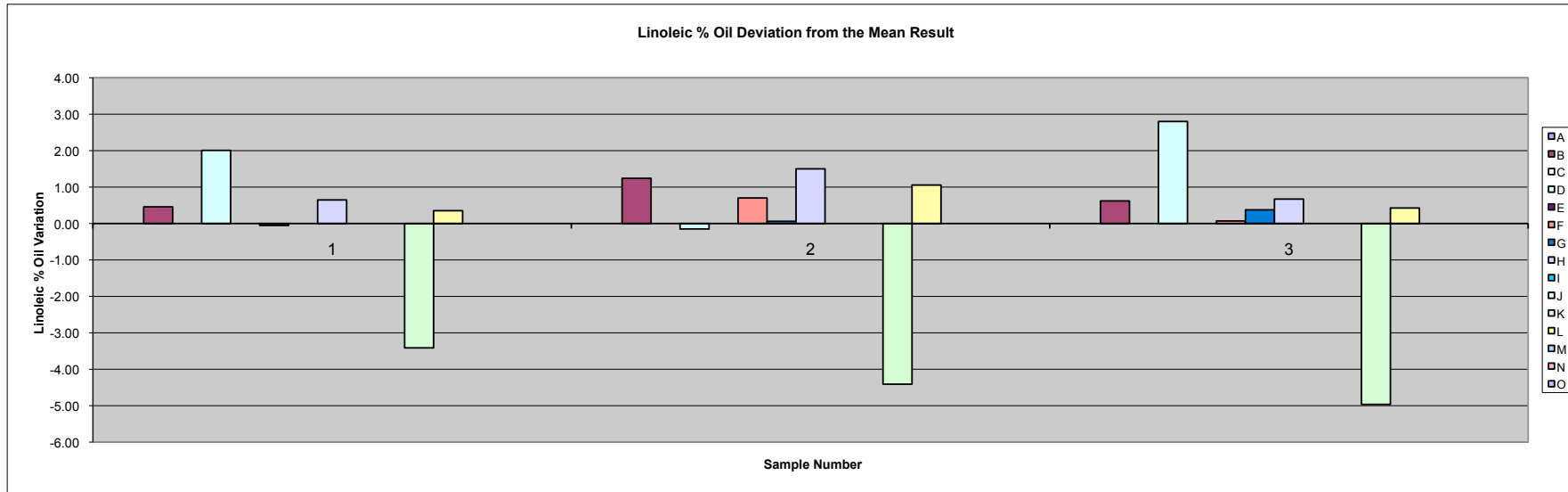
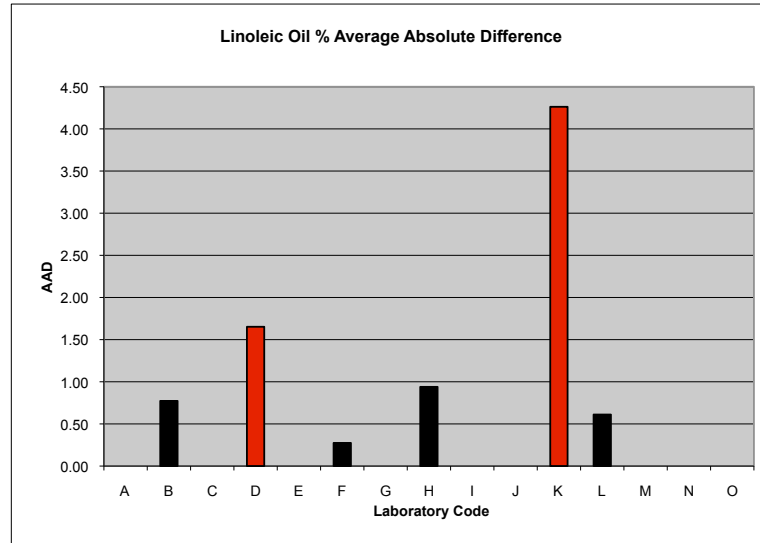
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Oleic % Oil Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	56.37	-1.59	55.47	-2.54	62.41	-1.99	-2.04	2.04
C								
D	55.63	-2.33	60.93	2.92	60.44	-3.96	-1.12	3.07
E								
F	58.65	0.69	58.00	-0.01	64.35	-0.05	0.21	0.25
G			59.79	1.78	64.34	-0.06		
H	58.95	0.99	58.50	0.49	64.70	0.30	0.59	0.59
I								
J								
K	61.43	3.47	57.06	-0.95	71.67	7.27	3.26	3.90
L	56.73	-1.23	56.31	-1.70	62.91	-1.49	-1.48	1.48
M								
N								
O								
MEAN	57.96		58.01		64.40			1.89
STDEV	2.14		1.92		3.53			



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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	22.71	0.46	21.74	1.24	18.75	0.62	0.77	0.77
C								
D	24.26	2.01	20.35	-0.15	20.93	2.80	1.55	1.65
E								
F	22.20	-0.05	21.20	0.70	18.20	0.07	0.24	0.27
G			20.56	0.06	18.51	0.38		
H	22.90	0.65	22.00	1.50	18.80	0.67	0.94	0.94
I								
J								
K	18.84	-3.41	16.09	-4.41	13.17	-4.96	-4.26	4.26
L	22.61	0.35	21.56	1.06	18.56	0.43	0.61	0.61
M								
N								
O								
MEAN	22.25		20.50		18.13			1.42
STDEV	1.81		2.04		2.37			



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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	0.31	-0.14	0.16	-0.12	0.08	-0.12	-0.13	0.13
C	0.56	0.10	0.34	0.07	0.14	-0.06	0.03	0.08
D	0.50	0.05	0.29	0.02	0.24	0.03	0.03	0.03
E	0.56	0.11						
F	0.47	0.02	0.44	0.16	0.31	0.10	0.09	0.09
G	0.58	0.13	0.46	0.19	0.21	0.01	0.11	0.11
H	0.35	-0.10	0.12	-0.16	0.12	-0.08	-0.12	0.12
I								
J								
K	0.30	-0.16	0.16	-0.12	0.10	-0.10	-0.13	0.13
L	0.47	0.01	0.25	-0.03	0.45	0.24	0.07	0.09
M								
N								
O								
MEAN	0.45		0.28		0.20			0.10
STDEV	0.11		0.13		0.12			

