



**2012 AOF Test Check Program
Monthly Report
Round 6
June 2012
01/06/2012 – 01/07/2012**

Result Receiving Dates

Lab Code	Date
A	06/06/2012
B	29/06/2012
C	02/07/2012
D	02/07/2012
E	14/06/2012
F	04/07/2012
G	09/06/2012
H	02/07/2012
I	14/06/2012
J	19/06/2012
K	15/06/2012
L	-
M	15/06/2012
N	05/06/2012

Discussion of Results

Test Weight

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

Impurities

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

Oil Rapid

Sample 1 – No outliers were observed.

Sample 2 – One outlier was identified for lab **D** with a 0.56 of a percent discrepancy from the upper (47.80%) quartile limit.

Sample 3 – No outliers were observed.



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Oil Solvent (ISO 659)

Sample 1 – One outlier was identified for lab **G** with a 0.92 of a percent discrepancy from the lower (40.08%) quartile limit.

Sample 2 – No outliers were observed.

Sample 3 – One outlier was identified for lab **F** with a 2.54 of a percent discrepancy from the upper (40.77%) quartile limit.

Oil Solvent Reference (AOCS Method Am 2-93)

Sample 1 – Two outliers were identified; lab **G** showed a 0.56 of a percent discrepancy from the lower (41.20%) quartile limit, lab **N** results were equal with the upper (42.68%) quartile limit.

Sample 2 – No outliers were observed.

Sample 3 – Two outliers were identified; lab **G** showed 2.78 of a percent discrepancy from the upper (40.38%) quartile limit, lab **K** showed 0.44 of a percent discrepancy from the lower (39.52%) quartile limit.

Moisture Oven

Sample 1 – Two outliers were identified; lab **D** showed 0.62 of a percent discrepancy from the upper (6.38%) quartile limit, lab **G** showed 0.05 of a percent discrepancy from the lower (5.36%) quartile limit.

Sample 2 – No outliers were observed.

Sample 3 – No outliers were observed.

Moisture Rapid

Sample 1 – No outliers were observed.

Sample 2 – No outliers were observed.

Sample 3 – One outlier was identified for lab **A** with a 0.16 of a percent discrepancy from the upper (6.69%) quartile limit.



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Oleic Oil

Sample 1 – No outliers were observed.

Sample 2 – One outlier was identified for lab **K** with a 1.08 of a percent discrepancy from the upper (66.68%) quartile limit.

Sample 3 – One outlier was identified for lab **K** with a 0.33 of a percent discrepancy from the lower (62.10%) quartile limit.

Linoleic Oil

Sample 1 – One outlier was identified for lab **K** with a 1.57 of a percent discrepancy from the lower (20.03%) quartile limit.

Sample 2 – One outlier was identified for lab **K** with a 4.19 of a percent discrepancy from the lower (16.86%) quartile limit.

Sample 3 – One outlier was identified for lab **K** with a 0.51 of a percent discrepancy from the lower (18.02%) quartile limit.

Free Fatty Acid

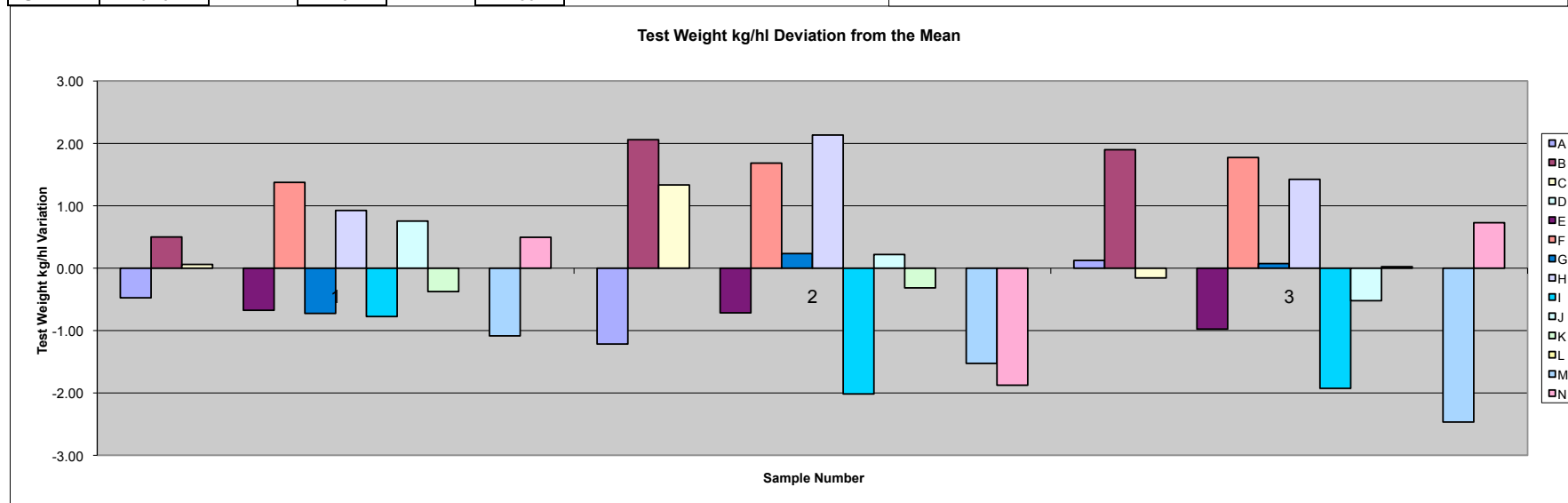
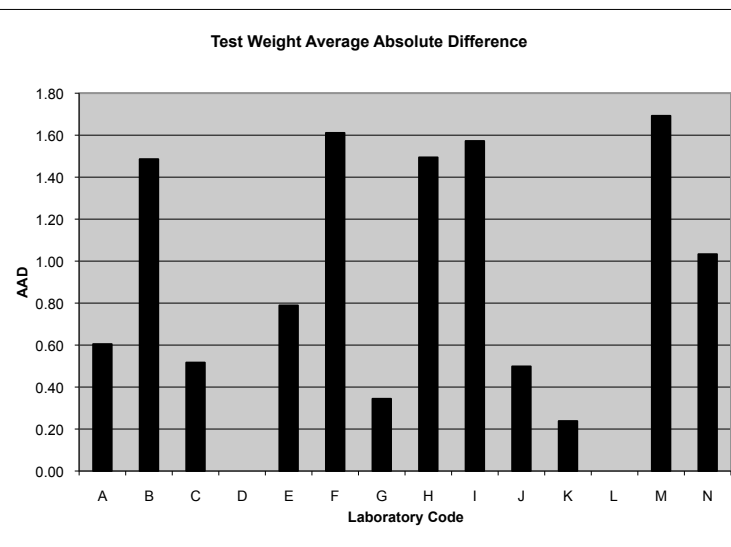
Sample 1 – Two outliers were identified; lab **E** showed 0.51 of a percent discrepancy from the upper (0.37%) quartile limit, lab **H** showed 0.01 of a percent discrepancy from the lower (0.25%) quartile limit.

Sample 2 – One outlier was identified for lab **E** with a 0.1 of a percent discrepancy from the upper (0.43%) quartile limit.

Sample 3 – One outlier was identified for lab **E** with a 0.26 of a percent discrepancy from the upper (2.95%) quartile limit.

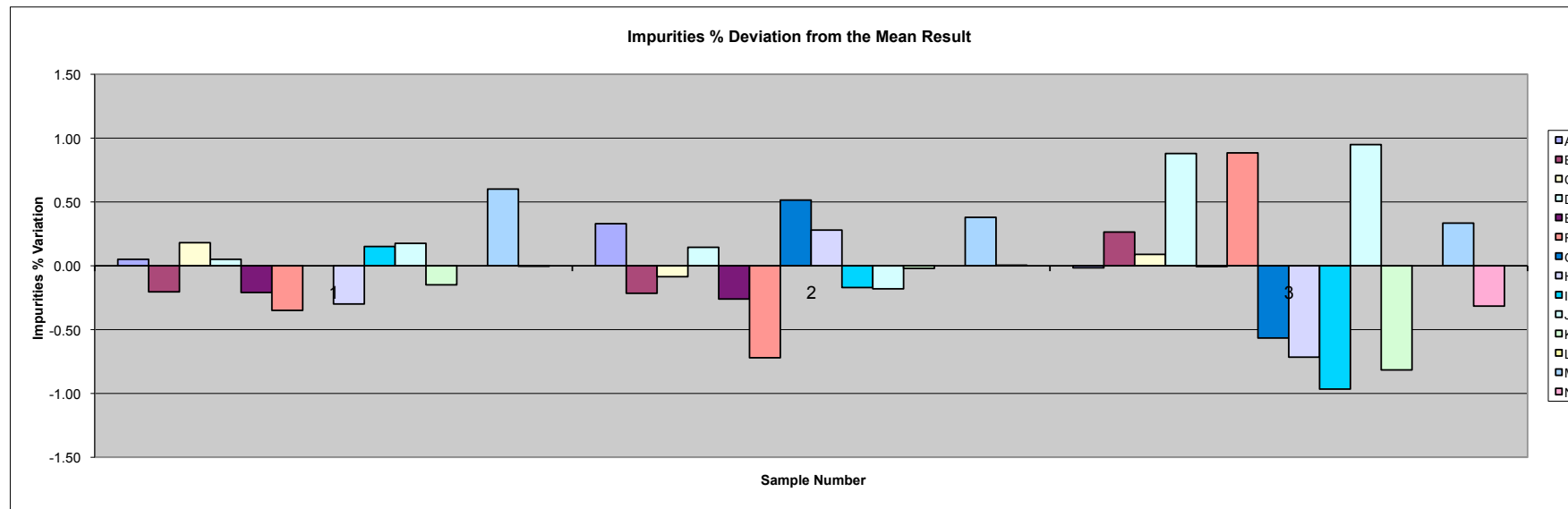
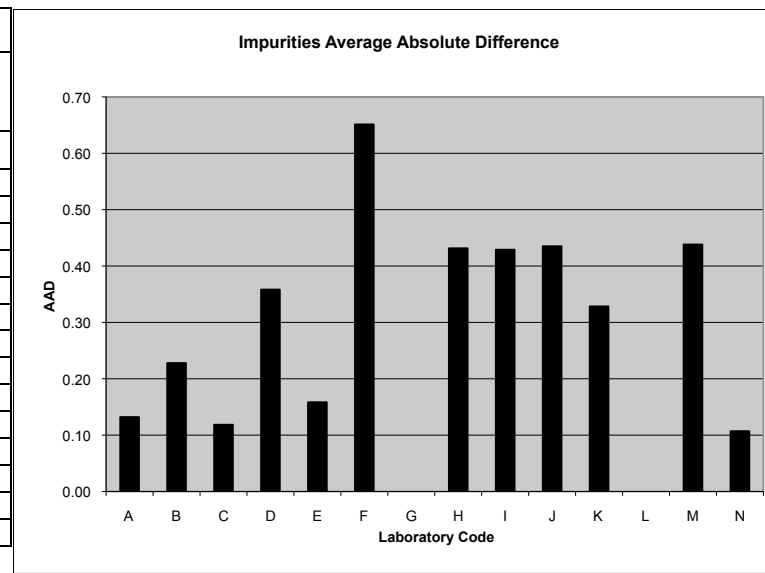
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Test Weight kg/hl								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	68.90	-0.47	64.10	-1.22	65.10	0.12	-0.52	0.60
B	69.88	0.50	67.38	2.06	66.88	1.90	1.49	1.49
C	69.44	0.06	66.65	1.33	64.82	-0.16	0.41	0.52
D								
E	68.70	-0.67	64.60	-0.72	64.00	-0.98	-0.79	0.79
F	70.75	1.38	67.00	1.68	66.75	1.77	1.61	1.61
G	68.65	-0.72	65.55	0.23	65.05	0.07	-0.14	0.34
H	70.30	0.93	67.45	2.13	66.40	1.42	1.49	1.49
I	68.60	-0.78	63.30	-2.02	63.05	-1.93	-1.57	1.57
J	70.13	0.75	65.54	0.22	64.46	-0.52	0.15	0.50
K	69.00	-0.38	65.00	-0.32	65.00	0.02	-0.22	0.24
L								
M	68.29	-1.09	63.79	-1.53	62.51	-2.47	-1.69	1.69
N	69.87	0.50	63.44	-1.88	65.71	0.73	-0.22	1.03
MEAN	69.38		65.32		64.98			0.99
STDEV	0.79		1.52		1.36			



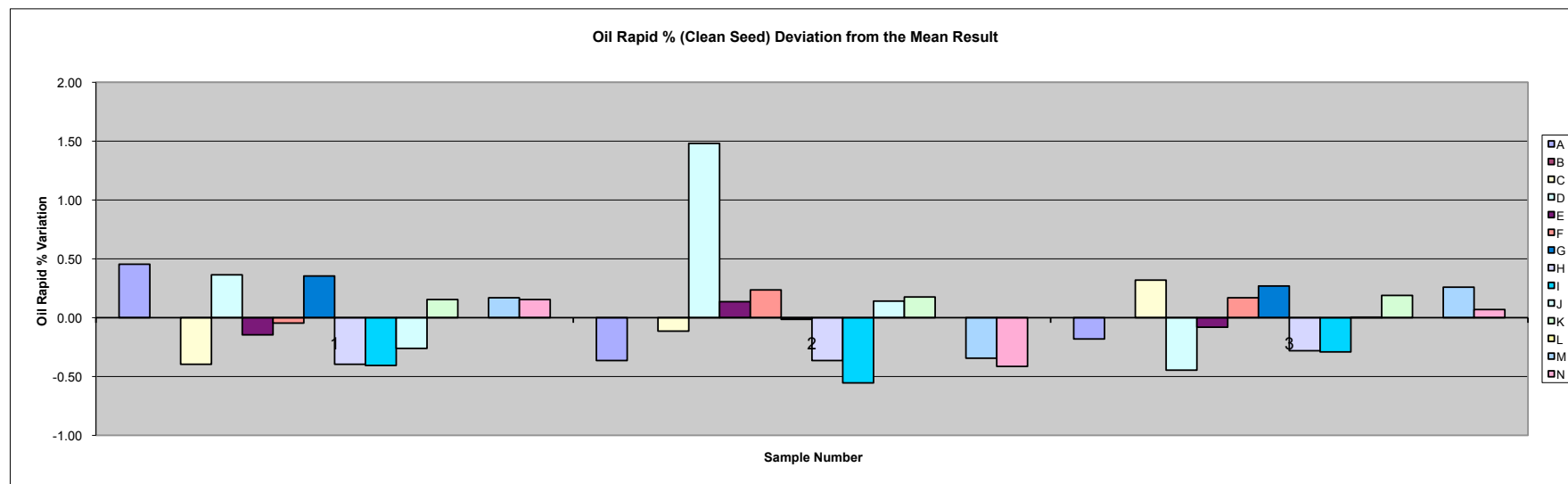
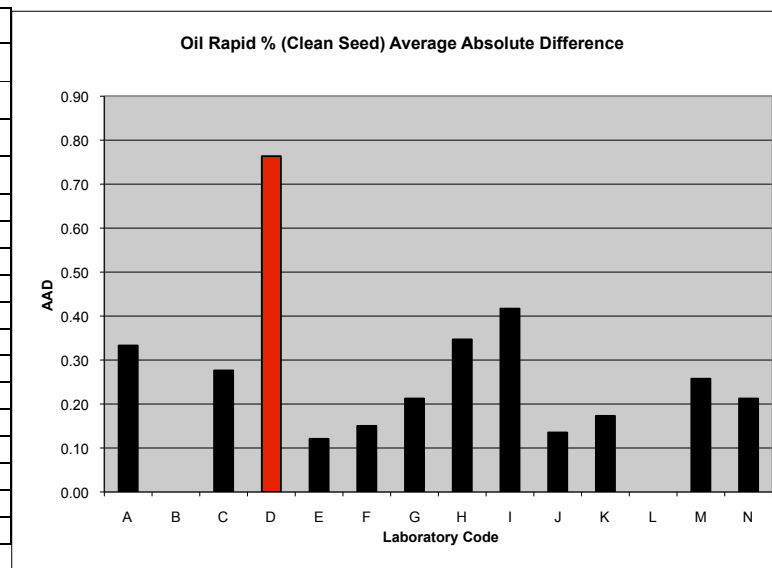
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Impurities %								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	0.90	0.05	2.40	0.33	2.60	-0.02	0.12	0.13
B	0.65	-0.20	1.86	-0.22	2.88	0.26	-0.05	0.23
C	1.03	0.18	1.99	-0.09	2.71	0.09	0.06	0.12
D	0.90	0.05	2.22	0.14	3.50	0.88	0.36	0.36
E	0.64	-0.21	1.81	-0.26	2.61	-0.01	-0.16	0.16
F	0.50	-0.35	1.35	-0.72	3.50	0.88	-0.06	0.65
G			2.59	0.51	2.05	-0.57		
H	0.55	-0.30	2.35	0.28	1.90	-0.72	-0.25	0.43
I	1.00	0.15	1.90	-0.17	1.65	-0.97	-0.33	0.43
J	1.03	0.18	1.89	-0.18	3.57	0.95	0.31	0.44
K	0.70	-0.15	2.05	-0.02	1.80	-0.82	-0.33	0.33
L								
M	1.45	0.60	2.45	0.38	2.95	0.33	0.44	0.44
N	0.85	0.00	2.08	0.00	2.30	-0.32	-0.10	0.11
MEAN	0.85		2.07		2.62			0.32
STDEV	0.26		0.33		0.66			



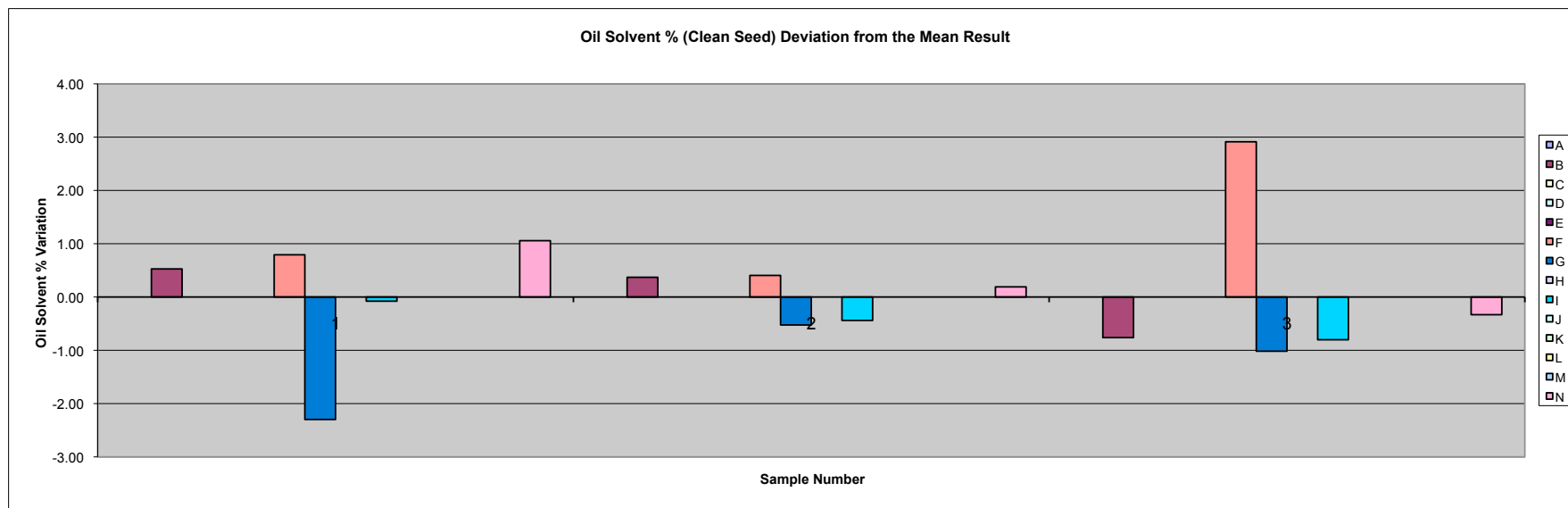
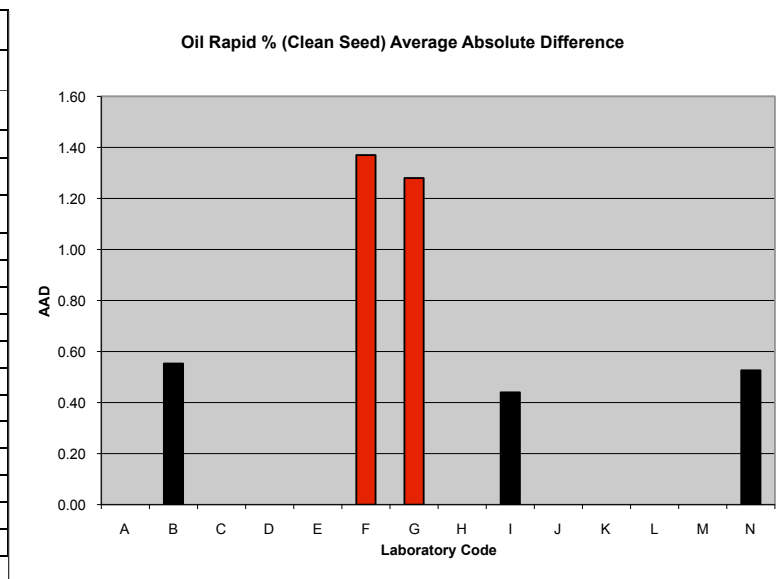
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Oil Rapid % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	42.45	0.45	45.95	-0.36	39.70	-0.18	-0.03	0.33
B								
C	41.60	-0.40	46.20	-0.11	40.20	0.32	-0.06	0.28
D	42.36	0.36	47.80	1.48	39.44	-0.45	0.47	0.76
E	41.85	-0.15	46.45	0.14	39.80	-0.08	-0.03	0.12
F	41.95	-0.05	46.55	0.24	40.05	0.17	0.12	0.15
G	42.35	0.35	46.30	-0.01	40.15	0.27	0.20	0.21
H	41.60	-0.40	45.95	-0.36	39.60	-0.28	-0.35	0.35
I	41.59	-0.41	45.76	-0.55	39.59	-0.29	-0.42	0.42
J	41.74	-0.26	46.46	0.14	39.89	0.00	-0.04	0.14
K	42.15	0.15	46.49	0.18	40.07	0.19	0.17	0.17
L								
M	42.17	0.17	45.97	-0.34	40.14	0.26	0.03	0.26
N	42.15	0.15	45.90	-0.41	39.95	0.07	-0.06	0.21
MEAN	42.00		46.31		39.88			0.28
STDEV	0.32		0.54		0.25			



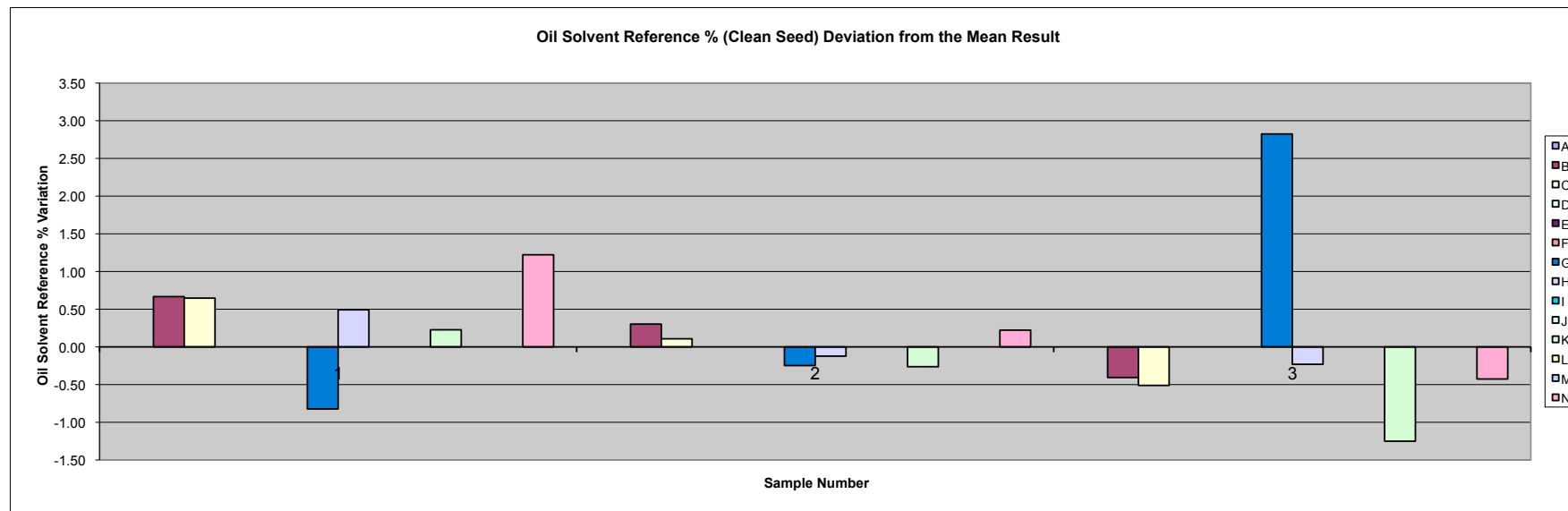
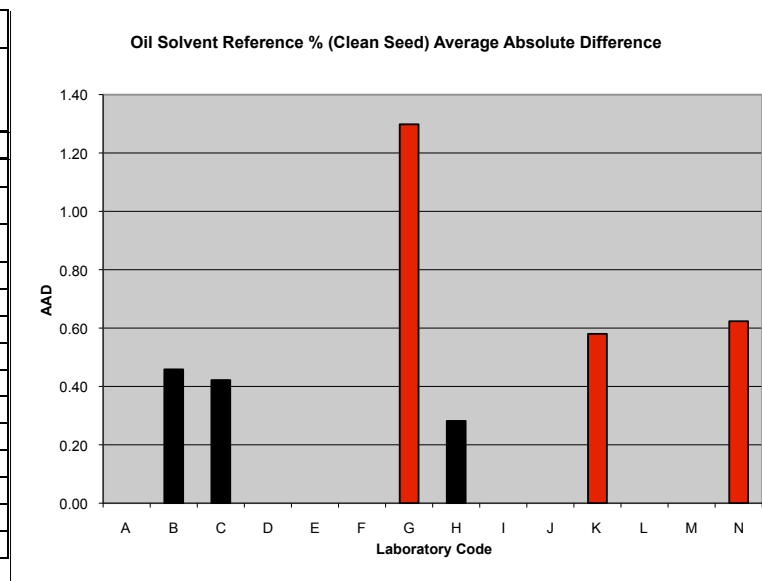
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Oil Solvent % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	41.99	0.53	46.87	0.37	39.63	-0.76	0.05	0.55
C								
D								
E								
F	42.25	0.79	46.90	0.40	43.30	2.91	1.37	1.37
G	39.16	-2.30	45.97	-0.53	39.37	-1.02	-1.28	1.28
H								
I	41.38	-0.08	46.06	-0.44	39.59	-0.80	-0.44	0.44
J								
K								
L								
M								
N	42.52	1.06	46.69	0.19	40.06	-0.33	0.31	0.53
MEAN	41.46		46.50		40.39			0.83
STDEV	1.35		0.45		1.65			



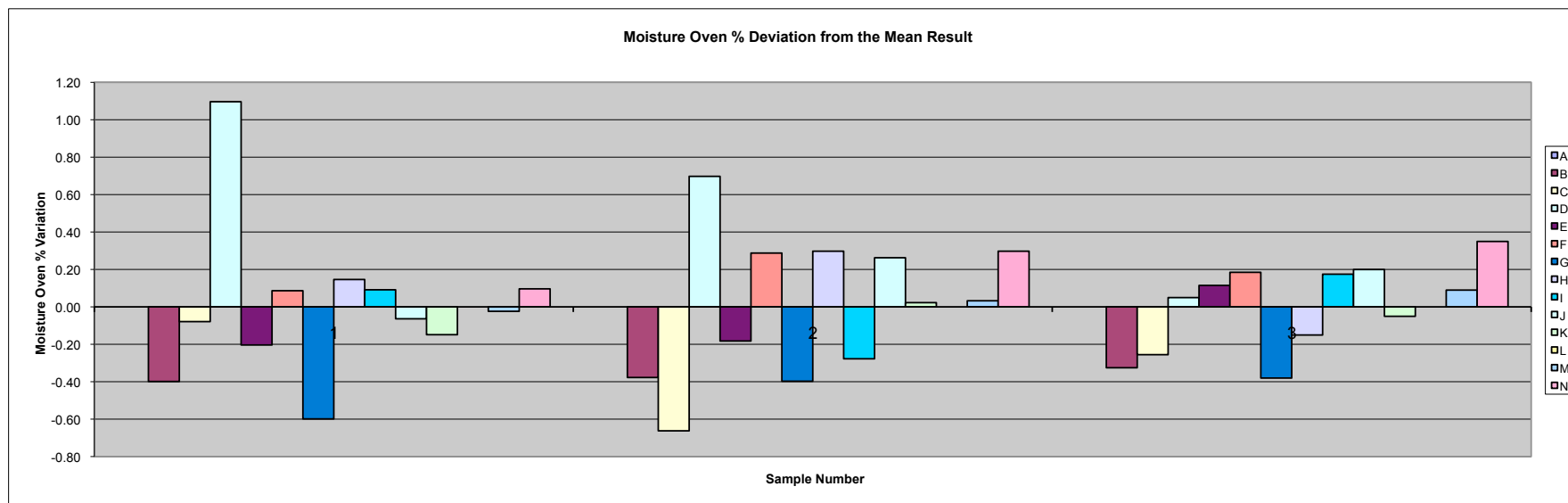
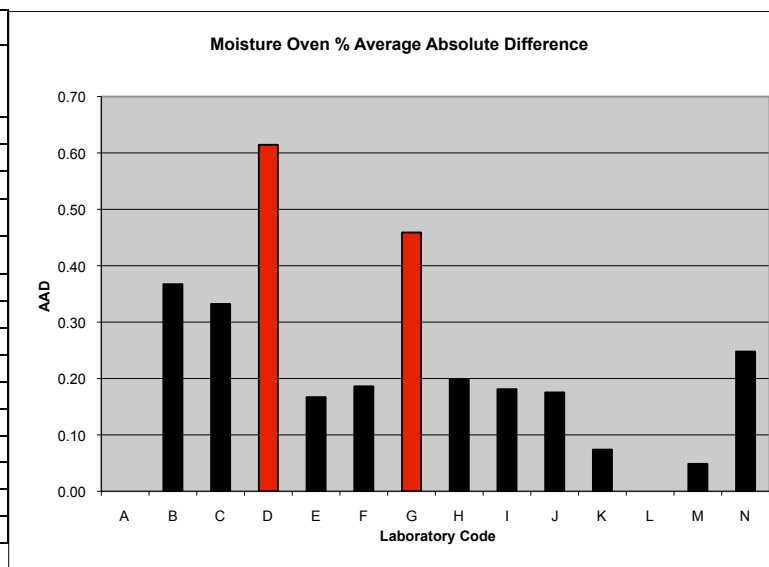
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Oil Solvent Reference % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	42.13	0.67	46.83	0.30	39.93	-0.41	0.19	0.46
C	42.11	0.65	46.63	0.11	39.82	-0.51	0.08	0.42
D								
E								
F								
G	40.64	-0.82	46.28	-0.25	43.16	2.82	0.58	1.30
H	41.95	0.49	46.40	-0.12	40.10	-0.23	0.05	0.28
I								
J								
K	41.69	0.23	46.26	-0.26	39.08	-1.25	-0.43	0.58
L								
M								
N	42.68	1.22	46.75	0.22	39.91	-0.43	0.34	0.62
MEAN	41.86		46.52		40.33			0.61
STDEV	0.68		0.24		1.43			



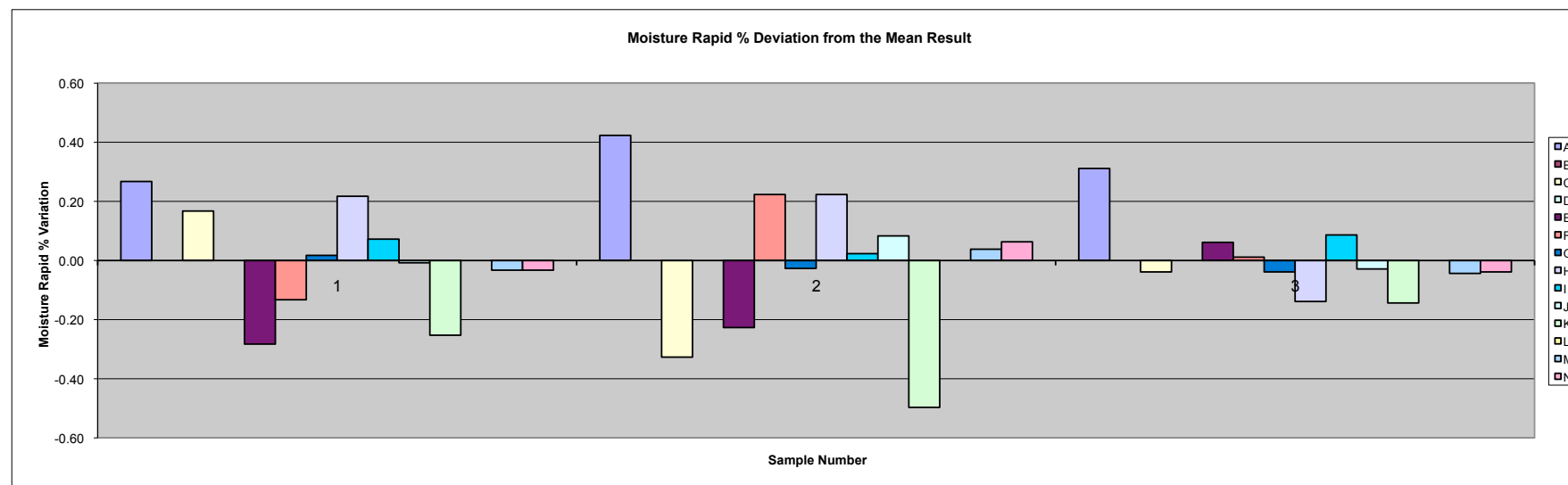
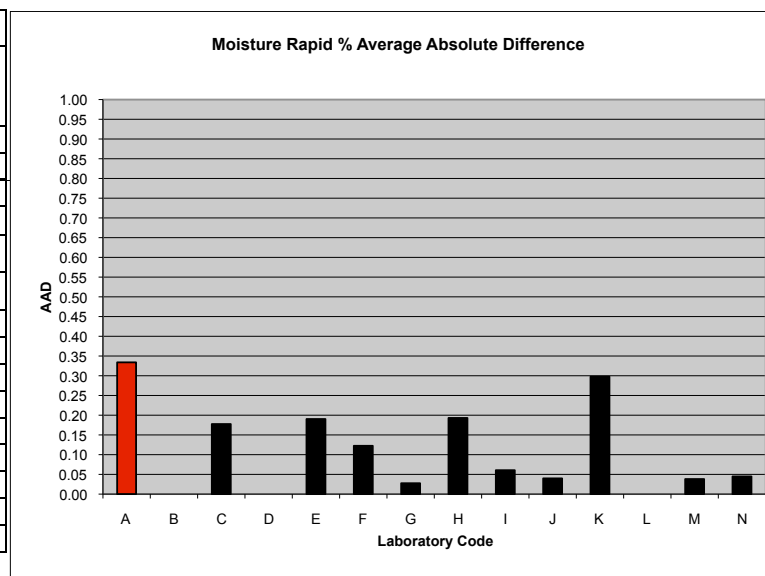
**2012 AOF Test Check Program
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Moisture Oven % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	5.51	-0.40	6.33	-0.38	6.23	-0.33	-0.37	0.37
C	5.83	-0.08	6.04	-0.66	6.30	-0.26	-0.33	0.33
D	7.00	1.10	7.40	0.70	6.60	0.05	0.61	0.61
E	5.70	-0.20	6.52	-0.18	6.67	0.11	-0.09	0.17
F	5.99	0.09	6.99	0.29	6.74	0.18	0.19	0.19
G	5.31	-0.60	6.31	-0.40	6.17	-0.38	-0.46	0.46
H	6.05	0.15	7.00	0.30	6.40	-0.15	0.10	0.20
I	6.00	0.09	6.43	-0.28	6.73	0.17	0.00	0.18
J	5.84	-0.06	6.97	0.26	6.75	0.20	0.13	0.18
K	5.76	-0.15	6.73	0.02	6.50	-0.05	-0.06	0.07
L								
M	5.88	-0.02	6.74	0.03	6.64	0.09	0.03	0.05
N	6.00	0.10	7.00	0.30	6.90	0.35	0.25	0.25
MEAN	5.90		6.70		6.55			0.25
STDEV	0.41		0.39		0.23			



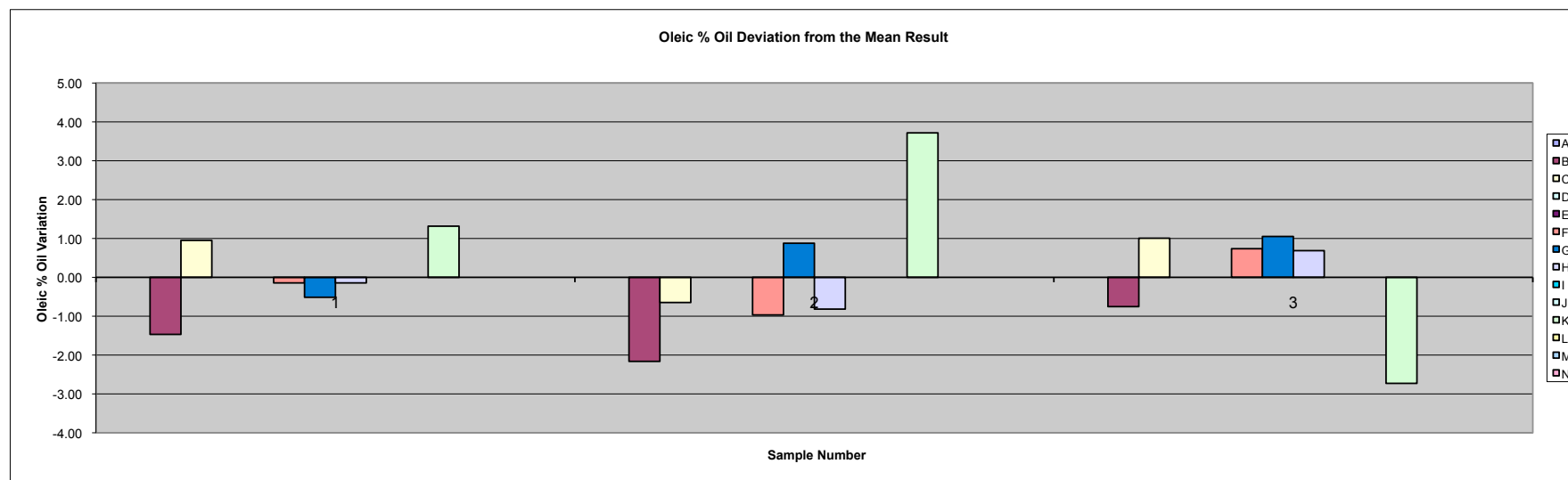
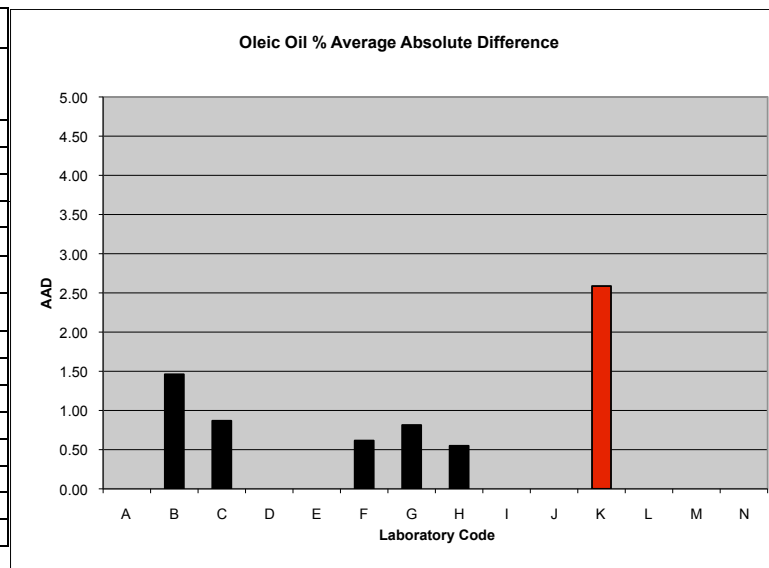
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Moisture Rapid % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	6.15	0.27	7.00	0.42	6.85	0.31	0.33	0.33
B								
C	6.05	0.17	6.25	-0.33	6.50	-0.04	-0.07	0.18
D								
E	5.60	-0.28	6.35	-0.23	6.60	0.06	-0.15	0.19
F	5.75	-0.13	6.80	0.22	6.55	0.01	0.03	0.12
G	5.90	0.02	6.55	-0.03	6.50	-0.04	-0.02	0.03
H	6.10	0.22	6.80	0.22	6.40	-0.14	0.10	0.19
I	5.96	0.07	6.60	0.02	6.63	0.09	0.06	0.06
J	5.88	-0.01	6.66	0.08	6.51	-0.03	0.02	0.04
K	5.63	-0.25	6.08	-0.50	6.40	-0.14	-0.30	0.30
L								
M	5.85	-0.03	6.62	0.04	6.50	-0.04	-0.01	0.04
N	5.85	-0.03	6.64	0.06	6.50	-0.04	0.00	0.04
MEAN	5.88		6.58		6.54			0.14
STDEV	0.18		0.26		0.12			



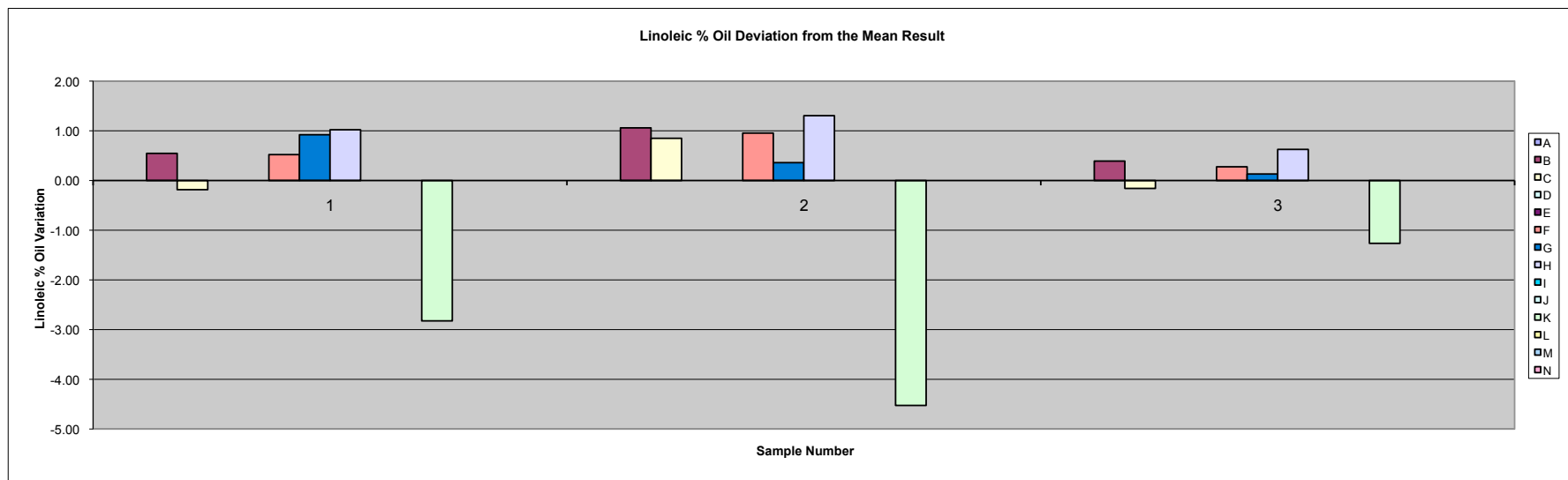
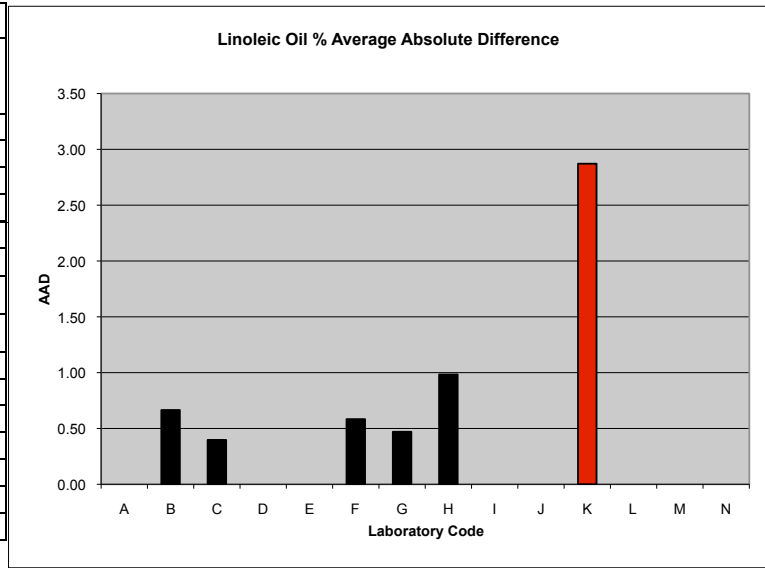
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Oleic % Oil Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	57.98	-1.47	63.31	-2.16	61.66	-0.75	-1.46	1.46
C	60.40	0.95	64.82	-0.65	63.42	1.01	0.44	0.87
D								
E								
F	59.30	-0.14	64.50	-0.97	63.15	0.74	-0.12	0.62
G	58.93	-0.51	66.35	0.88	63.47	1.05	0.47	0.81
H	59.30	-0.14	64.65	-0.82	63.10	0.69	-0.09	0.55
I								
J								
K	60.76	1.32	69.19	3.72	59.69	-2.73	0.77	2.59
L								
M								
N								
MEAN	59.44		65.47		62.41			1.15
STDEV	1.01		2.06		1.49			



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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	21.83	0.55	18.26	1.06	19.17	0.39	0.67	0.67	
C	21.10	-0.18	18.05	0.85	18.62	-0.16	0.17	0.40	
D									
E									
F	21.80	0.52	18.15	0.95	19.05	0.28	0.58	0.58	
G	22.20	0.92	17.56	0.36	18.91	0.13	0.47	0.47	
H	22.30	1.02	18.50	1.30	19.40	0.63	0.98	0.98	
I									
J									
K	18.46	-2.82	12.67	-4.53	17.51	-1.26	-2.87	2.87	
L									
M									
N									
MEAN	21.28		17.20		18.77			1.00	
STDEV	1.45		2.24		0.67				



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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	0.28	-0.05	0.08	-0.13	2.23	-0.03	-0.07	0.07
C	0.32	-0.01	0.21	0.00			-0.01	0.01
D								
E	0.51	0.18	0.53	0.33	3.21	0.95	0.48	0.48
F	0.32	-0.01	0.21	0.01	2.40	0.14	0.05	0.05
G			0.24	0.03	2.00	-0.26	-0.11	0.15
H	0.24	-0.09	0.08	-0.12	1.78	-0.49	-0.23	0.23
I								
J								
K	0.32	-0.01	0.10	-0.11	1.95	-0.31	-0.14	0.14
L								
M								
N								
MEAN	0.33		0.20		2.26			0.16
STDEV	0.09		0.16		0.51			

