



2011 AOF Test Check Program
Monthly Report
Round 10
October 2011
01/09/2011 – 30/09/2011

Result Receiving Dates

Lab Code	Date
A	14/10/2011
B	21/10/2011
C	14/10/2011
D	31/10/2011
E	14/10/2011
F	04/11/2011
G	08/11/2011
H	31/10/2011
I	12/10/2011
J	21/10/2011
K	24/10/2011
L	-
M	07/11/2011
N	07/10/2011
O	-

Discussion of Results

Test Weight

No outliers were observed.

Impurities

Sample 1 – One outlier was identified for Lab **M** with a - 0.09 of a percent discrepancy from the upper (3.07%) quartile limit.

Sample 2 – No outliers were observed.

Sample 3 – No outliers were observed.



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Oil Rapid

Sample 1 – One outlier was identified for Lab **D** with a – 1.05 of a percent discrepancy from the lower (39.29%) quartile limit.

Sample 2 – One outlier was identified for Lab **D** with a - 0.76 of a percent discrepancy from the lower (40.79%) quartile limit.

Sample 3 – One outlier was identified for Lab **G** with a - 0.78 of a percent discrepancy from the lower (43.28%) quartile limit.

Oil Solvent (ISO 659)

Sample 1 – Outliers were identified for Lab **G** and **N**. Lab G results were 3.93 of a percent discrepancy from the lower (40.72%) quartile limit. Lab N results were 0.35 of a percent discrepancy from the upper (42.24%) quartile limit.

Sample 2 – One outlier was identified for Lab **G** with a 0.38 of a percent discrepancy from the lower (40.25%) quartile limit.

Sample 3 – Outliers were identified for Lab **B** and **G**. Lab B results were 0.48 of a percent discrepancy from the upper (47.00%) quartile limit. Lab G results were 5.13 of a percent discrepancy from the lower (44.76%) quartile limit.

Oil Solvent Reference (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 **G** with a – 4.98 of a percent discrepancy from the lower (44.86%) quartile limit.

Moisture Oven

Sample 1 – Outliers were identified for results submitted by Lab **E** and **G**. Lab E results were 0.11 of a percent discrepancy from the upper (6.11%) quartile limit. Lab G results were 0.38 of a percent discrepancy from the lower (5.57%) quartile limit.

Sample 2 – One outlier was identified for Lab **J** with a – 0.11 of a percent discrepancy from the lower (6.19%) quartile limit.

Sample 3 – No outliers were observed.



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Moisture Rapid

No outliers were observed.

Oleic Oil

Sample 1 – One outlier was identified for Lab **B** with a – 0.67 of a percent discrepancy from the lower (62.73%) quartile limit.

Sample 2 – One outlier was identified for Lab **B** with a – 0.57 of a percent discrepancy from the lower (62.08%) quartile limit.

Sample 3 – One outlier was identified for Lab **B** with a – 0.49 of a percent discrepancy from the lower (61.89%) quartile limit.

Linoleic Oil

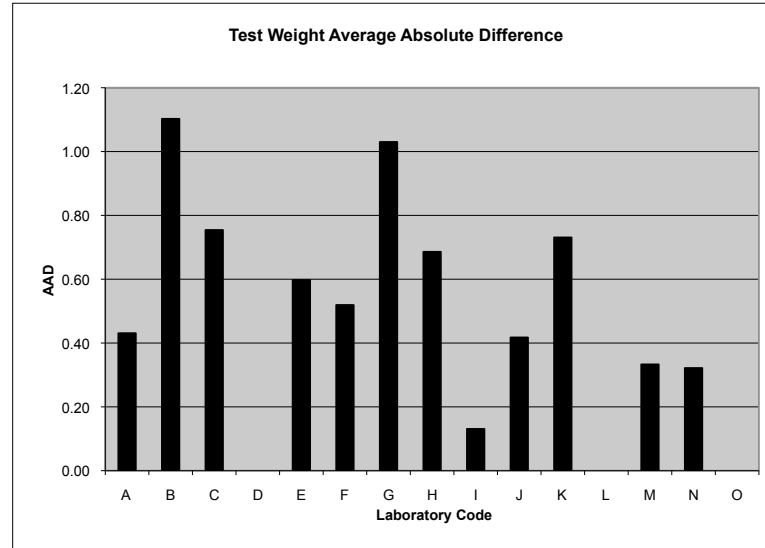
No outliers were observed.

Free Fatty Acid

No outliers were observed.

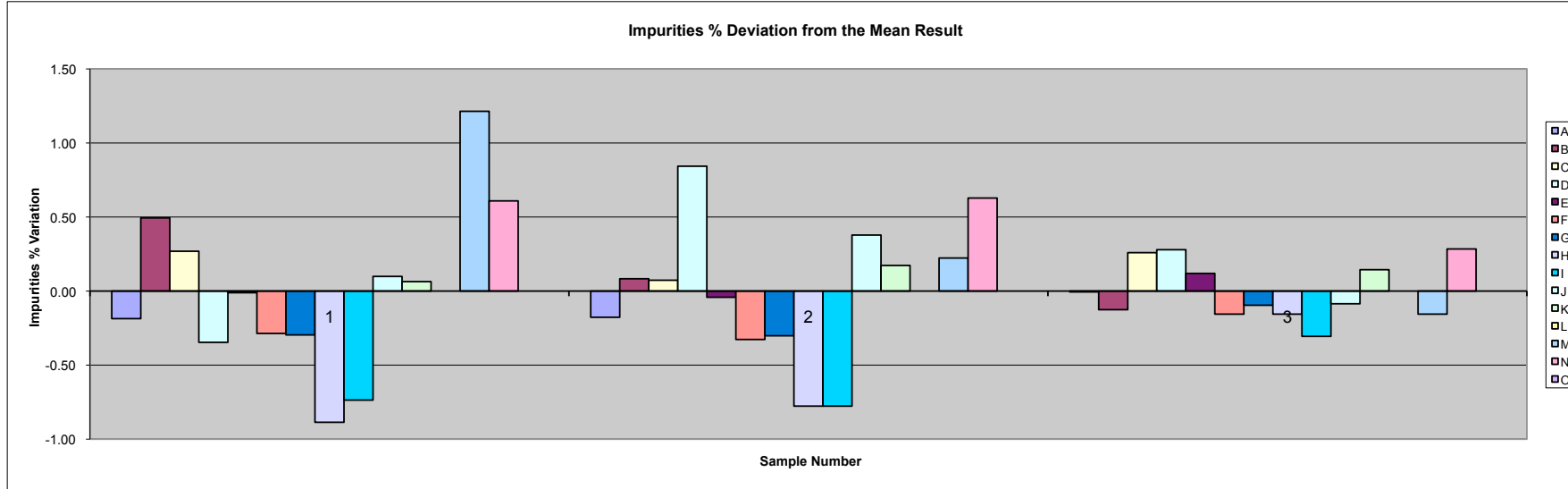
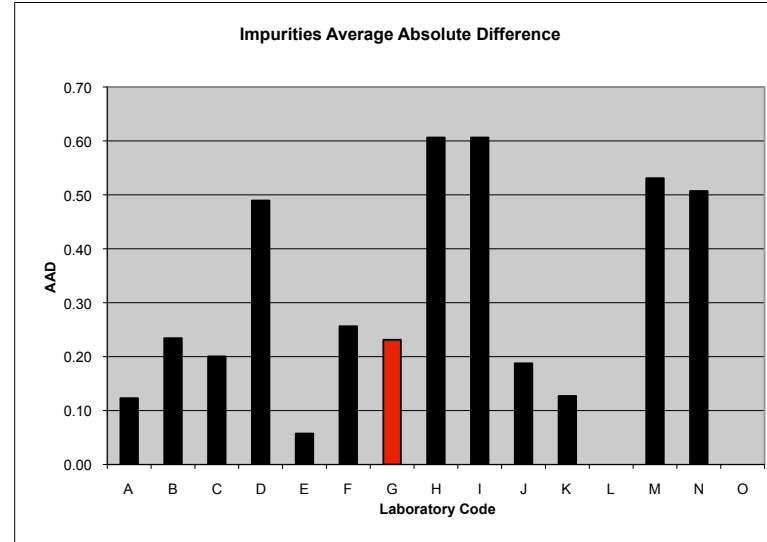
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Test Weight kg/hl								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	67.30	-0.28	64.80	-0.25	64.80	-0.77	-0.43	0.43
B	68.25	0.67	66.25	1.20	67.00	1.43	1.10	1.10
C	67.79	0.21	65.91	0.86	66.76	1.19	0.75	0.75
D								
E	67.50	-0.08	64.20	-0.85	64.70	-0.87	-0.60	0.60
F	68.00	0.42	65.50	0.45	66.25	0.68	0.52	0.52
G	67.95	0.37	63.89	-1.16	64.00	-1.57	-0.79	1.03
H	68.10	0.52	65.95	0.90	66.20	0.63	0.69	0.69
I	67.25	-0.33	65.00	-0.05	65.55	-0.02	-0.13	0.13
J	66.97	-0.61	64.54	-0.51	65.44	-0.13	-0.42	0.42
K	67.50	-0.08	64.00	-1.05	64.50	-1.07	-0.73	0.73
L								
M	66.95	-0.63	65.30	0.25	65.45	-0.12	-0.16	0.33
N	67.39	-0.19	65.23	0.18	66.17	0.60	0.20	0.32
O								
MEAN	67.58		65.05		65.57			0.59
STDEV	0.43		0.79		0.94			



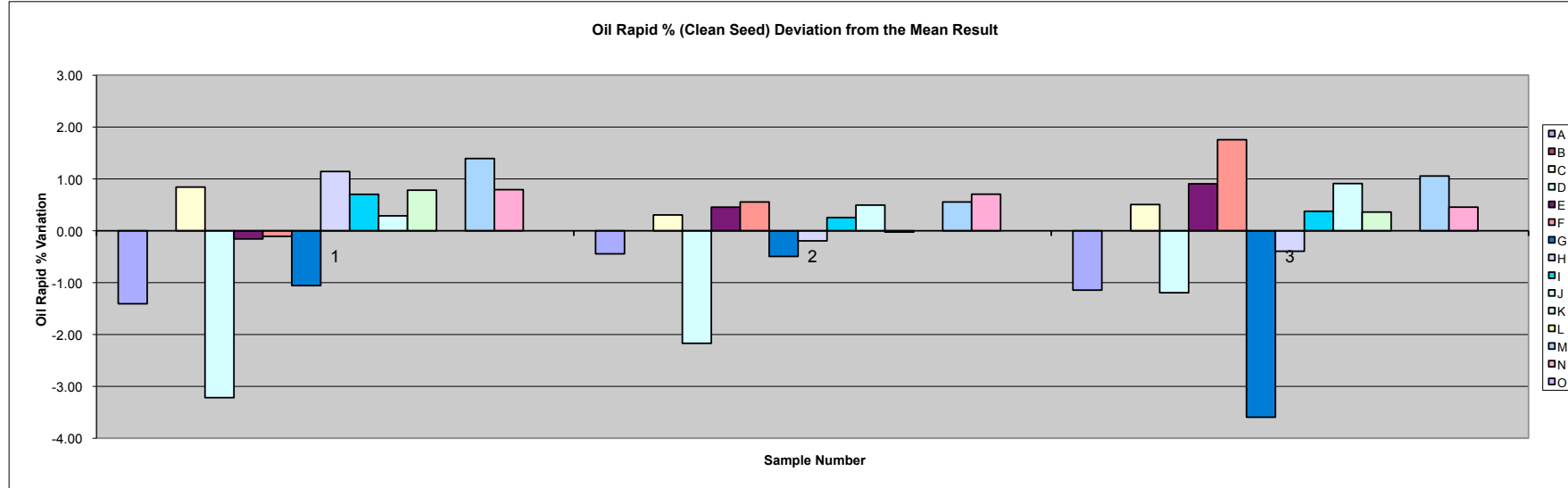
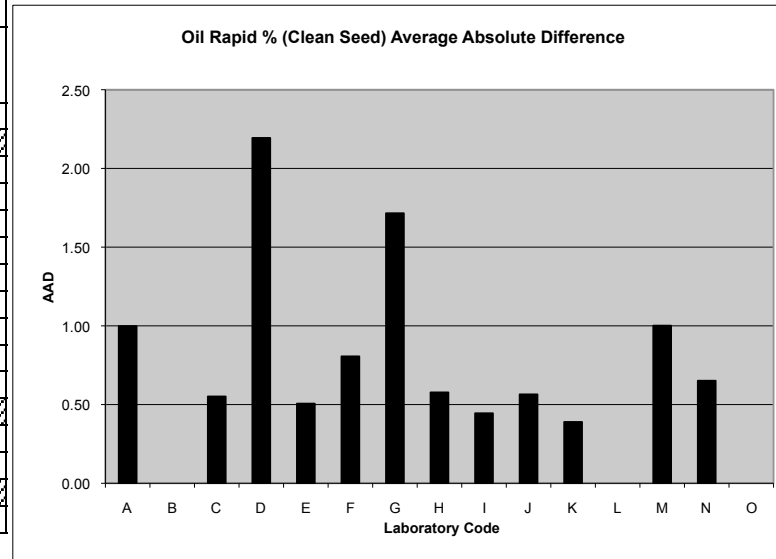
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Impurities %								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	1.75	-0.19	1.85	-0.18	1.75	-0.01	-0.12	0.12
B	2.43	0.49	2.11	0.08	1.63	-0.13	0.15	0.23
C	2.21	0.27	2.10	0.07	2.02	0.26	0.20	0.20
D	1.59	-0.35	2.87	0.84	2.04	0.28	0.26	0.49
E	1.93	-0.01	1.99	-0.04	1.88	0.12	0.02	0.06
F	1.65	-0.29	1.70	-0.33	1.60	-0.16	-0.26	0.26
G	1.64	-0.30	1.73	-0.30	1.66	-0.10	-0.23	0.23
H	1.05	-0.89	1.25	-0.78	1.60	-0.16	-0.61	0.61
I	1.20	-0.74	1.25	-0.78	1.45	-0.31	-0.61	0.61
J	2.04	0.10	2.41	0.38	1.67	-0.09	0.13	0.19
K	2.00	0.06	2.20	0.17	1.90	0.14	0.13	0.13
L								
M	3.15	1.21	2.25	0.22	1.60	-0.16	0.43	0.53
N	2.55	0.61	2.66	0.63	2.04	0.28	0.51	0.51
O								
MEAN	1.94		2.03		1.76			0.32
STDEV	0.56		0.48		0.20			



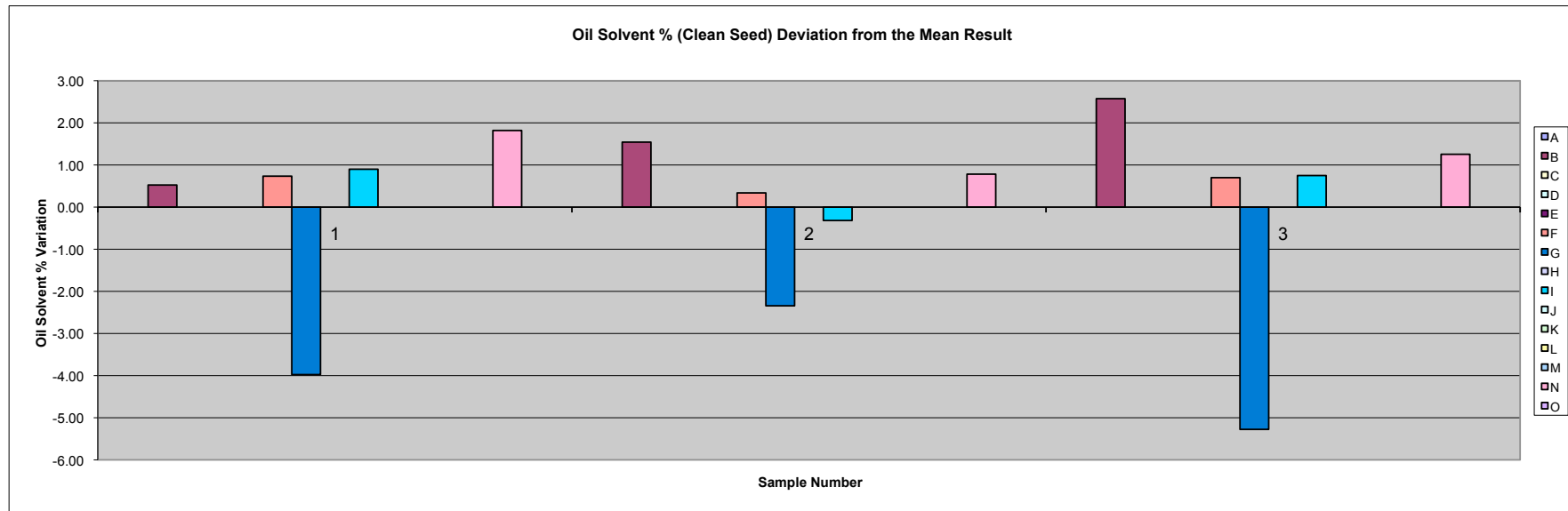
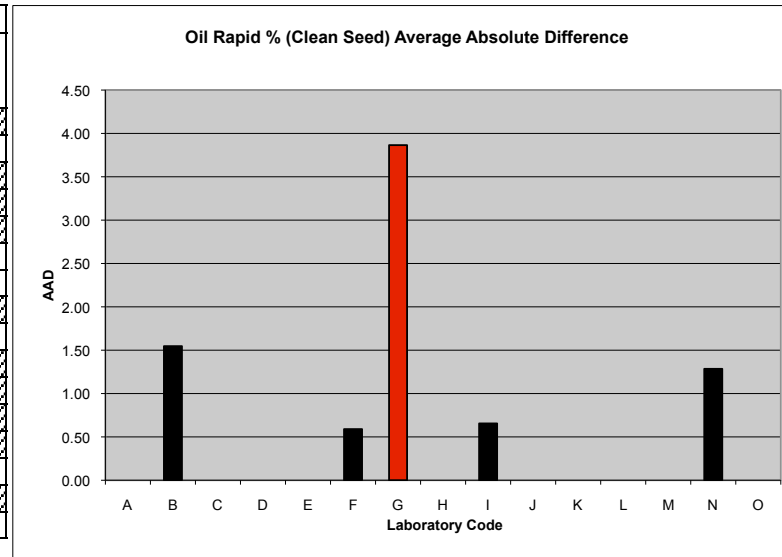
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Oil Rapid % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	40.05	-1.41	41.75	-0.44	44.95	-1.14	-1.00	1.00
B								
C	42.30	0.84	42.50	0.31	46.60	0.51	0.55	0.55
D	38.24	-3.22	40.03	-2.17	44.90	-1.19	-2.19	2.19
E	41.30	-0.16	42.65	0.46	47.00	0.91	0.40	0.51
F	41.35	-0.11	42.75	0.56	47.85	1.76	0.73	0.81
G	40.40	-1.06	41.70	-0.49	42.50	-3.59	-1.72	1.72
H	42.60	1.14	42.00	-0.19	45.70	-0.39	0.18	0.58
I	42.16	0.70	42.45	0.26	46.47	0.38	0.44	0.44
J	41.75	0.29	42.69	0.50	47.01	0.91	0.56	0.56
K	42.24	0.78	42.17	-0.02	46.46	0.36	0.37	0.39
L								
M	42.85	1.39	42.75	0.56	47.15	1.06	1.00	1.00
N	42.25	0.79	42.90	0.71	46.55	0.46	0.65	0.65
O								
MEAN	41.46		42.19		46.09			0.87
STDEV	1.32		0.79		1.43			



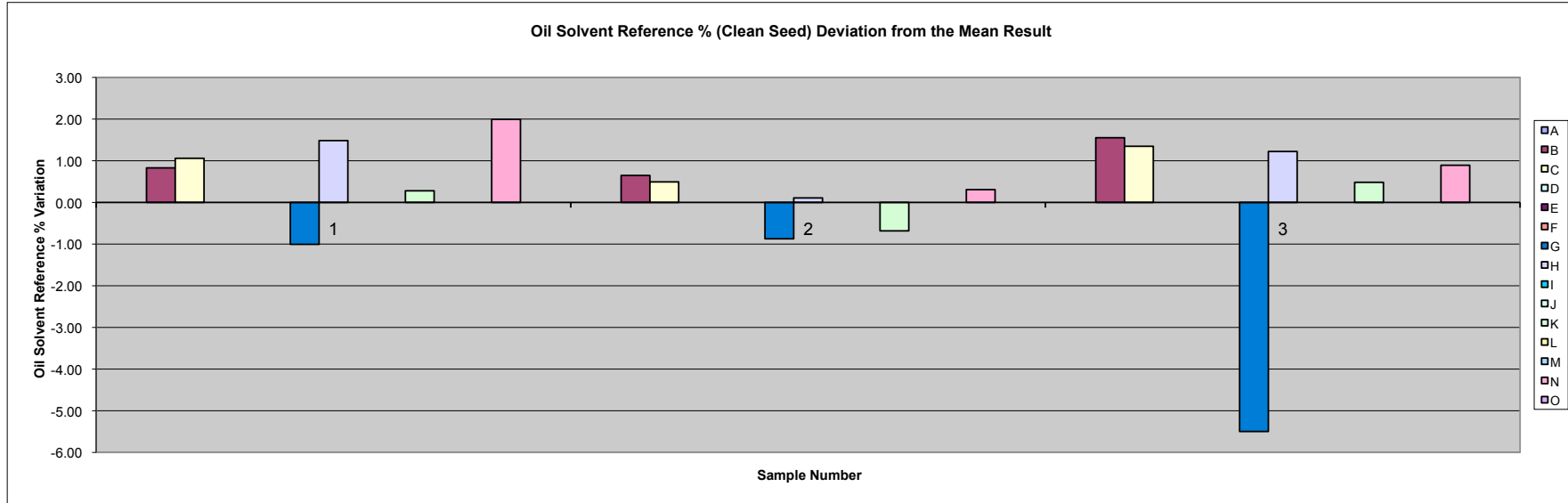
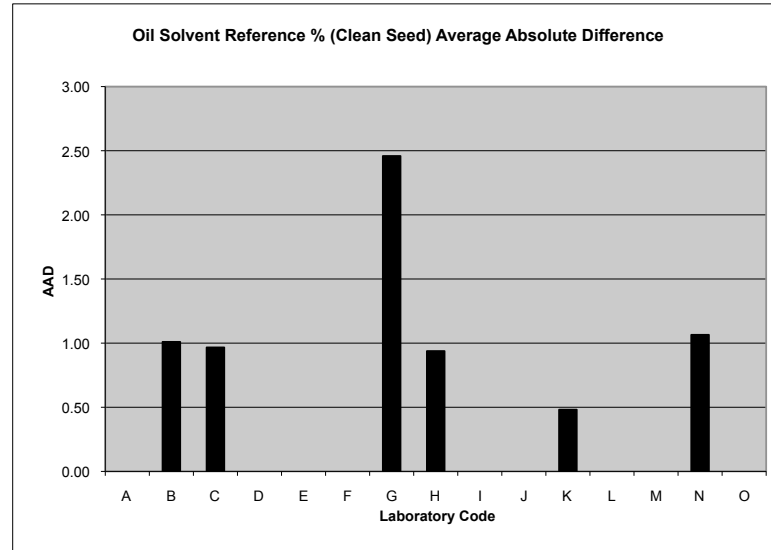
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Oil Solvent % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	41.29	0.52	43.76	1.54	47.48	2.57	1.55	1.55
C								
D								
E								
F	41.50	0.73	42.55	0.34	45.60	0.70	0.59	0.59
G	36.79	-3.98	39.87	-2.34	39.63	-5.28	-3.87	3.87
H								
I	41.67	0.90	41.90	-0.32	45.65	0.75	0.44	0.66
J								
K								
L								
M								
N	42.59	1.82	43.00	0.78	46.16	1.25	1.29	1.29
O								
MEAN	40.77		42.21		44.90			1.59
STDEV	2.28		1.47		3.04			



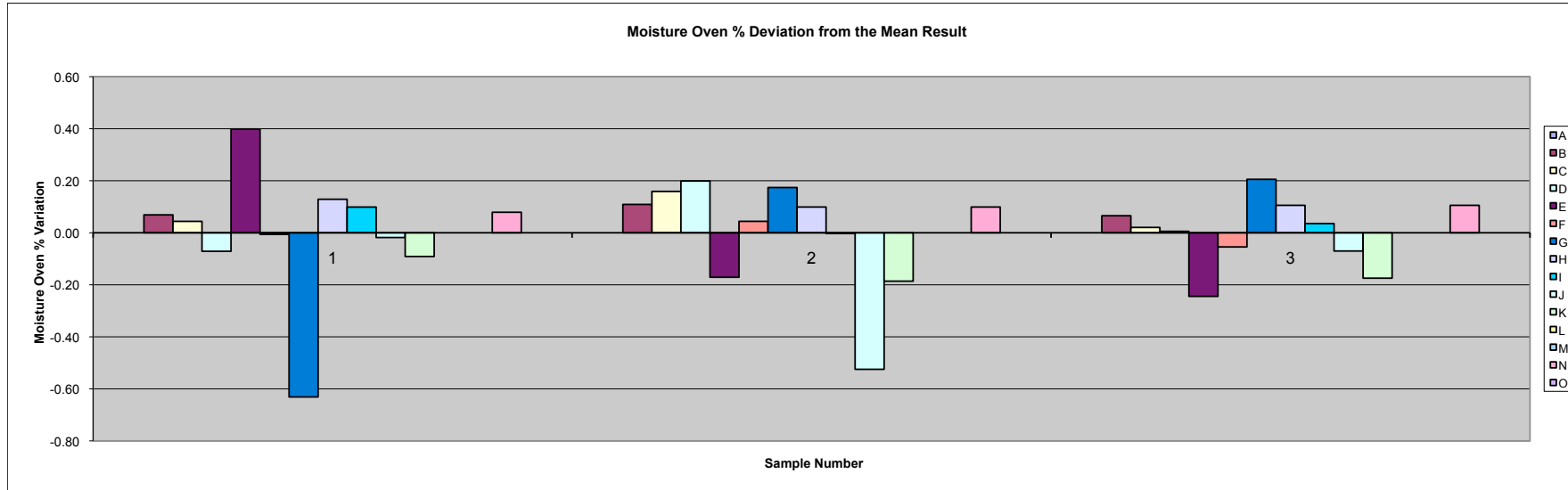
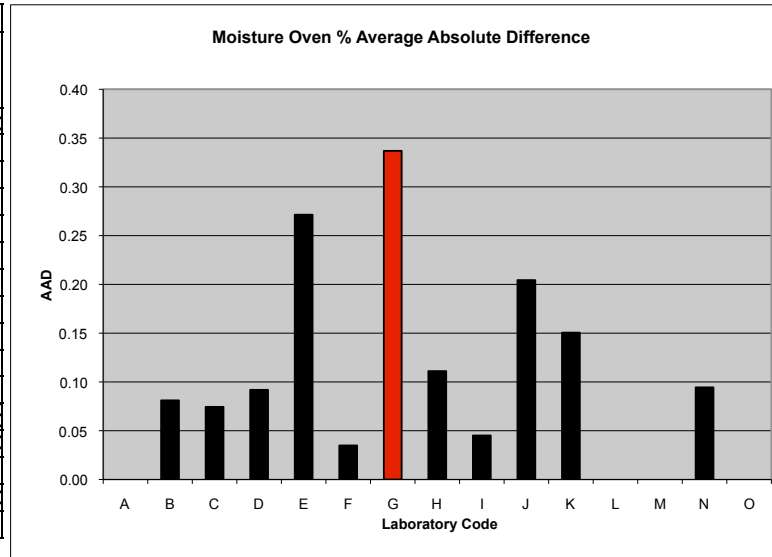
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Oil Solvent Reference % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	41.60	0.83	42.99	0.65	46.93	1.55	1.01	1.01
C	41.83	1.06	42.84	0.49	46.73	1.35	0.97	0.97
D								
E								
F								
G	39.76	-1.01	41.47	-0.87	39.88	-5.50	-2.46	2.46
H	42.25	1.48	42.45	0.11	46.60	1.22	0.94	0.94
I								
J								
K	41.05	0.28	41.66	-0.68	45.86	0.48	0.03	0.48
L								
M								
N	42.76	1.99	42.65	0.31	46.27	0.89	1.06	1.06
O								
MEAN	41.54		42.34		45.38			1.15
STDEV	1.05		0.63		2.72			



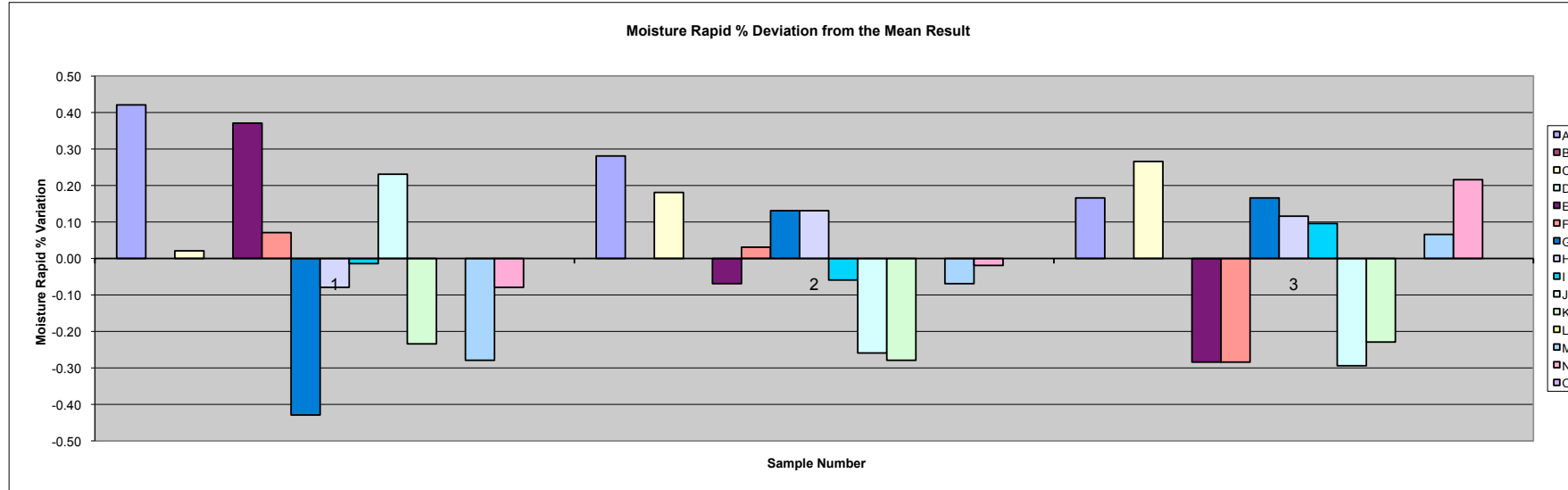
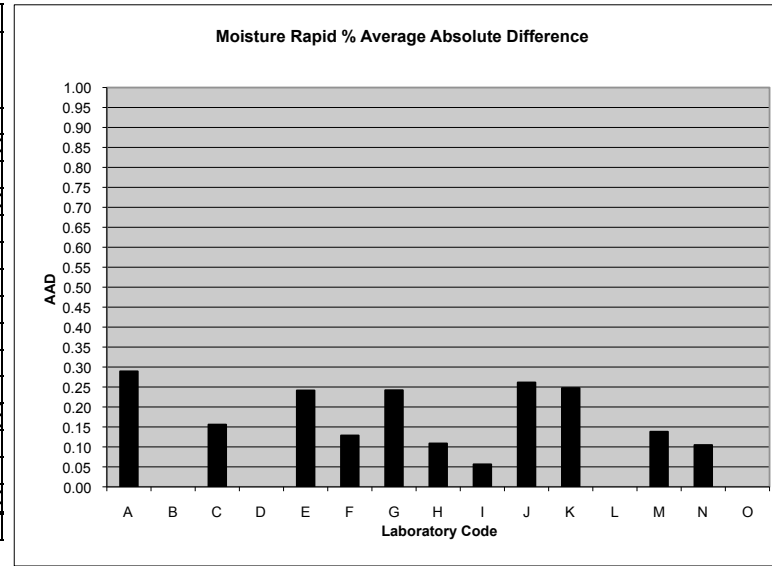
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Moisture Oven % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	5.89	0.07	6.71	0.11	5.71	0.07	0.08	0.08
C	5.87	0.04	6.76	0.16	5.67	0.02	0.07	0.07
D	5.75	-0.07	6.80	0.20	5.65	0.01	0.04	0.09
E	6.22	0.40	6.43	-0.17	5.40	-0.24	-0.01	0.27
F	5.82	-0.01	6.65	0.04	5.59	-0.05	-0.01	0.03
G	5.19	-0.63	6.78	0.17	5.85	0.21	-0.08	0.34
H	5.95	0.13	6.70	0.10	5.75	0.11	0.11	0.11
I	5.92	0.10	6.60	0.00	5.68	0.04	0.04	0.05
J	5.80	-0.02	6.08	-0.52	5.57	-0.07	-0.20	0.20
K	5.73	-0.09	6.42	-0.19	5.47	-0.17	-0.15	0.15
L								
M								
N	5.90	0.08	6.70	0.10	5.75	0.11	0.09	0.09
O								
MEAN	5.82		6.60		5.64			0.14
STDEV	0.25		0.22		0.13			



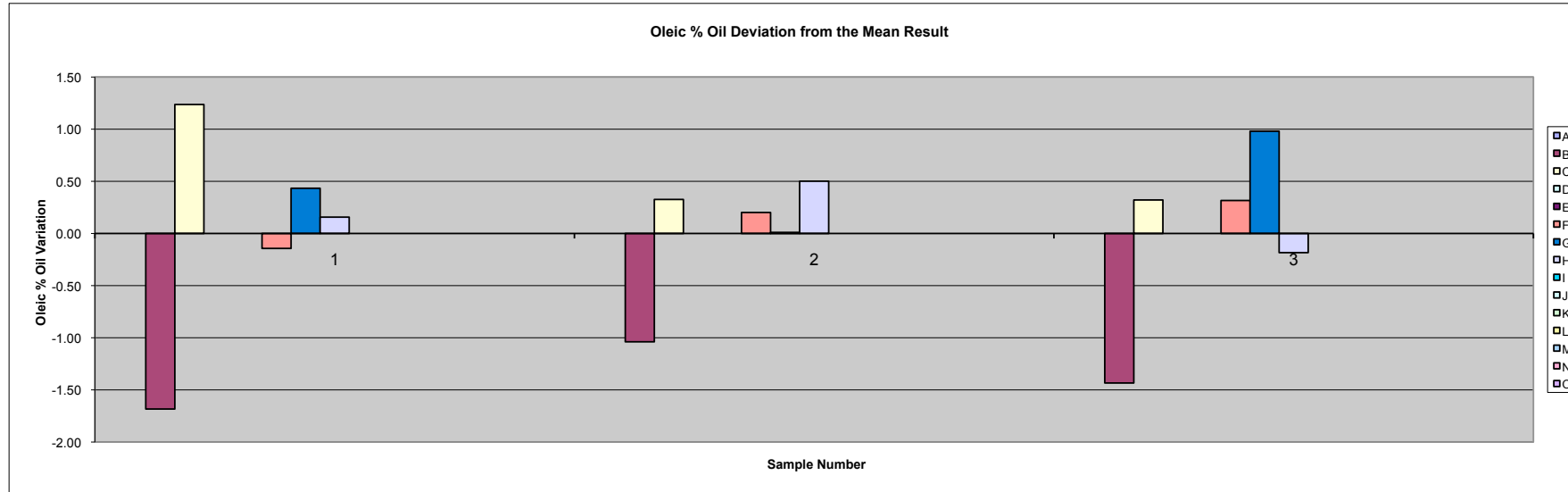
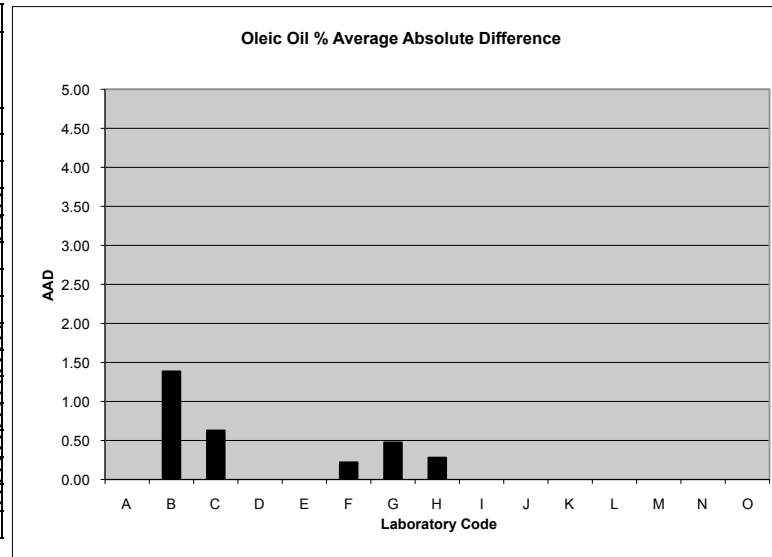
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Moisture Rapid % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	6.20	0.42	6.70	0.28	5.90	0.17	0.29	0.29
B								
C	5.80	0.02	6.60	0.18	6.00	0.27	0.16	0.16
D								
E	6.15	0.37	6.35	-0.07	5.45	-0.28	0.01	0.24
F	5.85	0.07	6.45	0.03	5.45	-0.28	-0.06	0.13
G	5.35	-0.43	6.55	0.13	5.90	0.17	-0.04	0.24
H	5.70	-0.08	6.55	0.13	5.85	0.12	0.06	0.11
I	5.77	-0.01	6.36	-0.06	5.83	0.10	0.01	0.06
J	6.01	0.23	6.16	-0.26	5.44	-0.29	-0.11	0.26
K	5.55	-0.23	6.14	-0.28	5.51	-0.23	-0.25	0.25
L								
M	5.50	-0.28	6.35	-0.07	5.80	0.07	-0.09	0.14
N	5.70	-0.08	6.40	-0.02	5.95	0.22	0.04	0.10
O								
MEAN	5.78		6.42		5.73			0.18
STDEV	0.27		0.17		0.22			



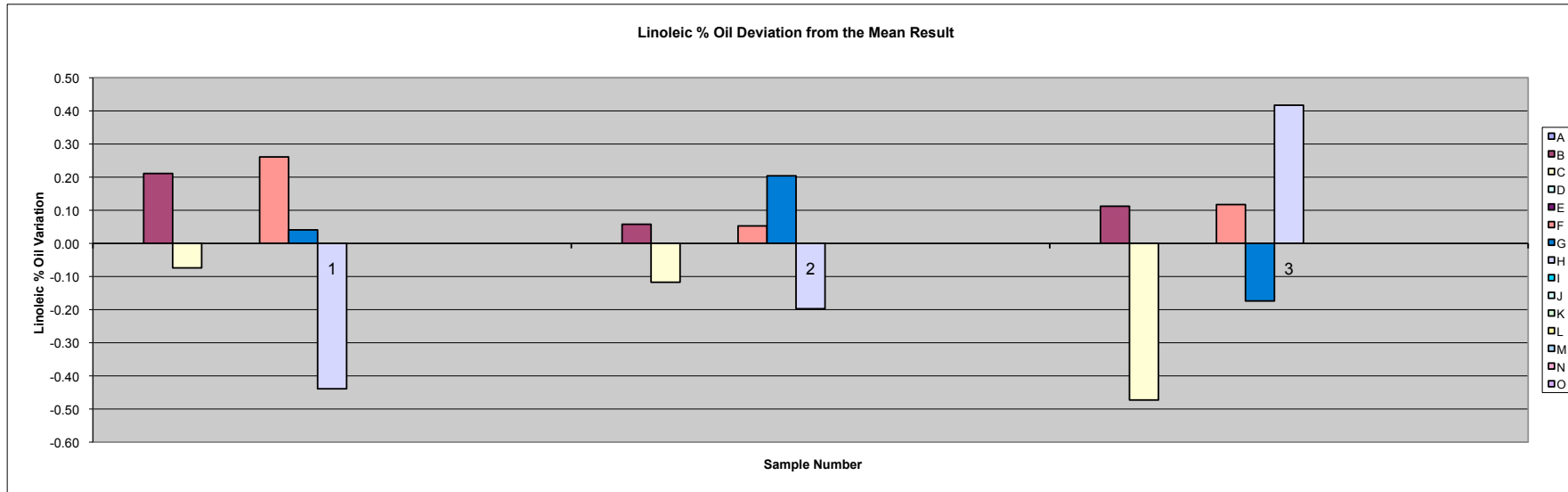
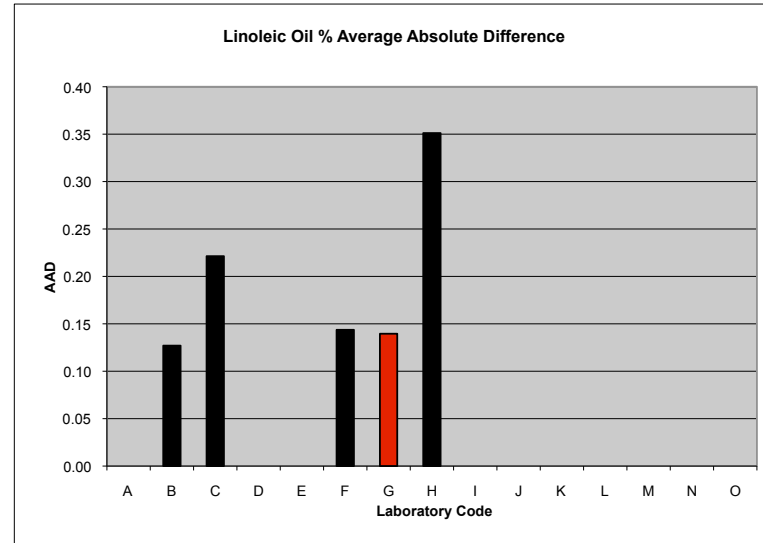
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Oleic % Oil Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	62.06	-1.68	61.51	-1.04	61.40	-1.43	-1.39	1.39
C	64.98	1.24	62.88	0.33	63.16	0.32	0.63	0.63
D								
E								
F	63.60	-0.14	62.75	0.20	63.15	0.32	0.12	0.22
G	64.18	0.43	62.56	0.01	63.81	0.98	0.47	0.47
H	63.90	0.16	63.05	0.50	62.65	-0.18	0.16	0.28
I								
J								
K								
L								
M								
N								
O								
MEAN	63.74		62.55		62.83			0.60
STDEV	1.07		0.61		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	19.15	0.21	19.21	0.06	19.15	0.11	0.13	0.13
C	18.87	-0.07	19.03	-0.12	18.56	-0.47	-0.22	0.22
D								
E								
F	19.20	0.26	19.20	0.05	19.15	0.12	0.14	0.14
G	18.98	0.04	19.35	0.20	18.86	-0.17	0.02	0.14
H	18.50	-0.44	18.95	-0.20	19.45	0.42	-0.07	0.35
I								
J								
K								
L								
M								
N								
O								
MEAN	18.94		19.15		19.03			0.20
STDEV	0.28		0.16		0.34			



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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	0.20	-0.15	0.20	-0.13	0.31	-0.11	-0.13	0.13
C	0.24	-0.12	0.23	-0.11	0.31	-0.11	-0.11	0.11
D	0.45	0.10	0.52	0.19	0.49	0.07	0.12	0.12
E	0.65	0.30	0.64	0.31	0.73	0.31	0.30	0.30
F	0.40	0.04	0.38	0.04	0.60	0.18	0.09	0.09
G	0.63	0.28	0.41	0.08	0.44	0.02	0.13	0.13
H	0.12	-0.23	0.12	-0.21	0.23	-0.19	-0.21	0.21
I								
J								
K	0.15	-0.20	0.16	-0.17	0.24	-0.18	-0.18	0.18
L								
M								
N								
O								
MEAN	0.35		0.33		0.42			0.16
STDEV	0.21		0.18		0.18			

