



**2012 AOF Test Check Program
Monthly Report
Round 3
March 2012**

01/03/2012 – 01/04/2012

Result Reveal Dates

Lab Code	Date
A	13/03/2012
B	28/03/2012
C	25/03/2012
D	30/03/2012
E	19/03/2012
F	01/04/2012
G	02/04/2012
H	30/03/2012
I	13/03/2012
J	21/03/2012
K	30/03/2012
L	-
M	15/03/2012
N	23/03/2012
O	-

Discussion of Results

Test Weight

Sample 1 – No outliers were observed.

Sample 2 – One outlier was identified for lab **C** with a 2.36 percent discrepancy from the lower (65.28%) quartile limit.

Sample 3 – No outliers were observed.

Impurities

Sample 1 – No outliers were observed.

Sample 2 – No outliers were observed.

Sample 3 – One outlier was identified for lab **H** with a 0.20 percent discrepancy from the lower (0.55%) quartile limit.



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Oil Rapid

Sample 1 – No outliers were observed.

Sample 2 – One outlier was identified for lab **H** with a 0.26 percent discrepancy from the lower (37.51%) quartile limit.

Sample 3 – One outlier was identified for lab **D** with a 0.42 percent discrepancy from the upper (43.99%) quartile limit.

Oil Solvent (ISO 659)

Sample 1 – One outlier was identified for lab **G** with a 5.52 of a percent discrepancy from the lower (40.39%) quartile limit.

Sample 2 – No outliers were observed.

Sample 3 – No outliers were observed.

Oil Solvent Reference (AOCS Method Am 2-93)

Sample 1 – One outlier was identified for lab **G** with a 4.14 of a percent discrepancy from the lower (42.09%) quartile limit.

Sample 2 – No outliers were observed.

Sample 3 – No outliers were observed.

Moisture Oven

Sample 1 – One outlier was identified for lab **F** with a 0.08 of a percent discrepancy from the upper (6.55%) quartile limit.

Sample 2 – One outlier was identified for lab **F** with a 0.13 of a percent discrepancy from the upper (4.60%) quartile limit.

Sample 3 – One outlier was identified for lab **D** with a 0.22 of a percent discrepancy from the lower (4.92%) quartile limit.



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Moisture Rapid

- Sample 1 – One outlier was identified for lab **A** with a 0.53 of a percent discrepancy from the upper (6.38%) quartile limit.
- Sample 2 – One outlier was identified for lab **A** with a result situated on the upper quartile limit of 4.70%.
- Sample 3 – No outliers were observed.

Oleic Oil

- Sample 1 – One outlier was identified for lab **D** with a 0.78 of a percent discrepancy from the lower (59.54%) quartile limit.
- Sample 2 – No outliers were observed.
- Sample 3 – One outlier was identified for lab **F** with a 0.59 of a percent discrepancy from the lower (62.56%) quartile limit.

Linoleic Oil

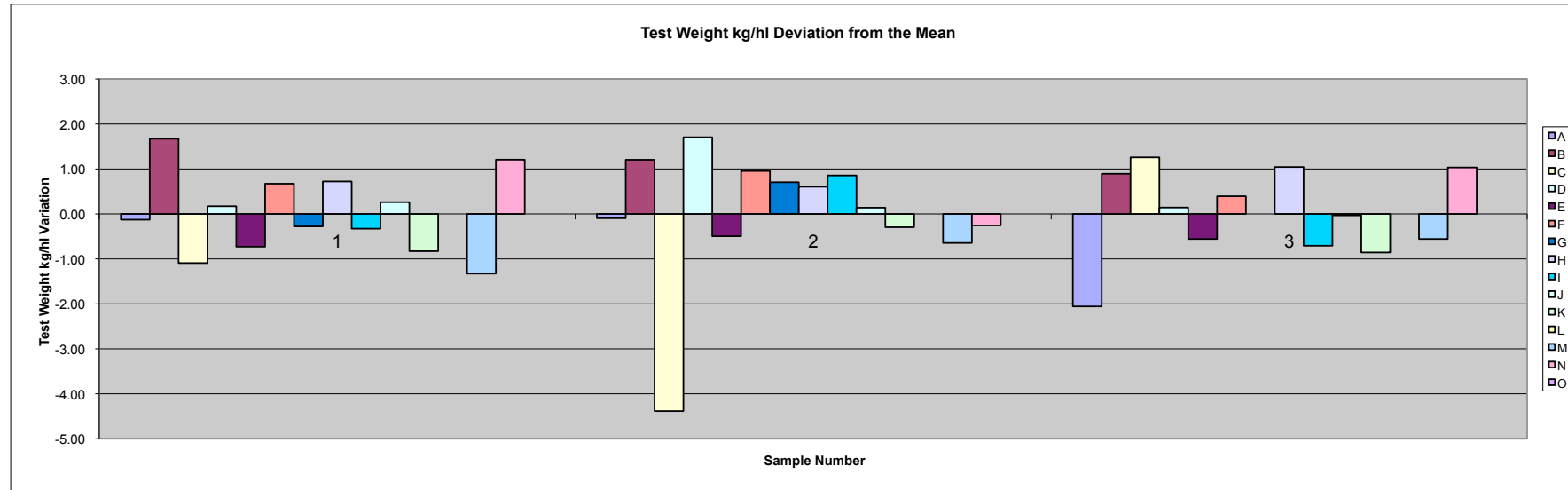
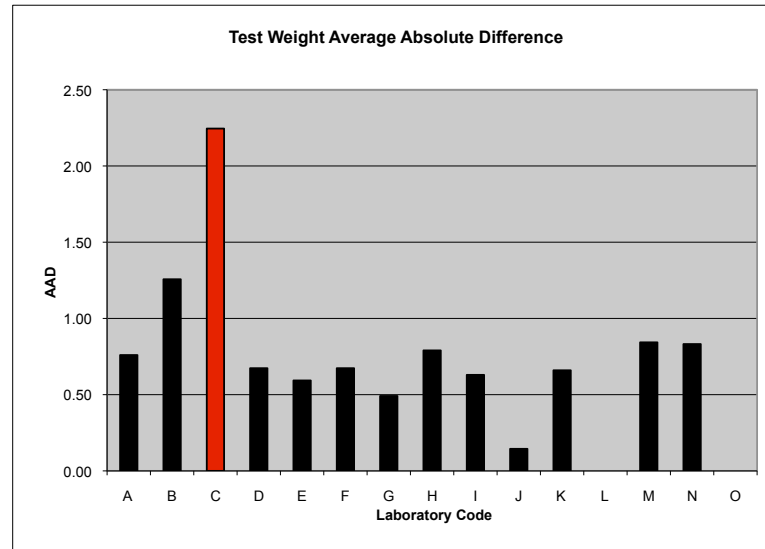
- Sample 1 – One outlier was identified for lab **D** with a 2.29 of a percent discrepancy from the upper (21.08%) quartile limit.
- Sample 2 – One outlier was identified for lab **F** with a 0.02 of a percent discrepancy from the lower (19.22%) quartile limit.
- Sample 3 – Two outliers were identified - lab **D** with a 0.50 of a percent discrepancy from the upper (22.73%) quartile limit, and lab **F** with a 1.40 of a percent discrepancy from the lower (19.15%) quartile limit.

Free Fatty Acid

- Sample 1 – No outliers were observed.
- Sample 2 – No outliers were observed.
- Sample 3 – One outlier was identified for lab **E** with a 0.17 of a percent discrepancy from the upper (0.41%) quartile limit.

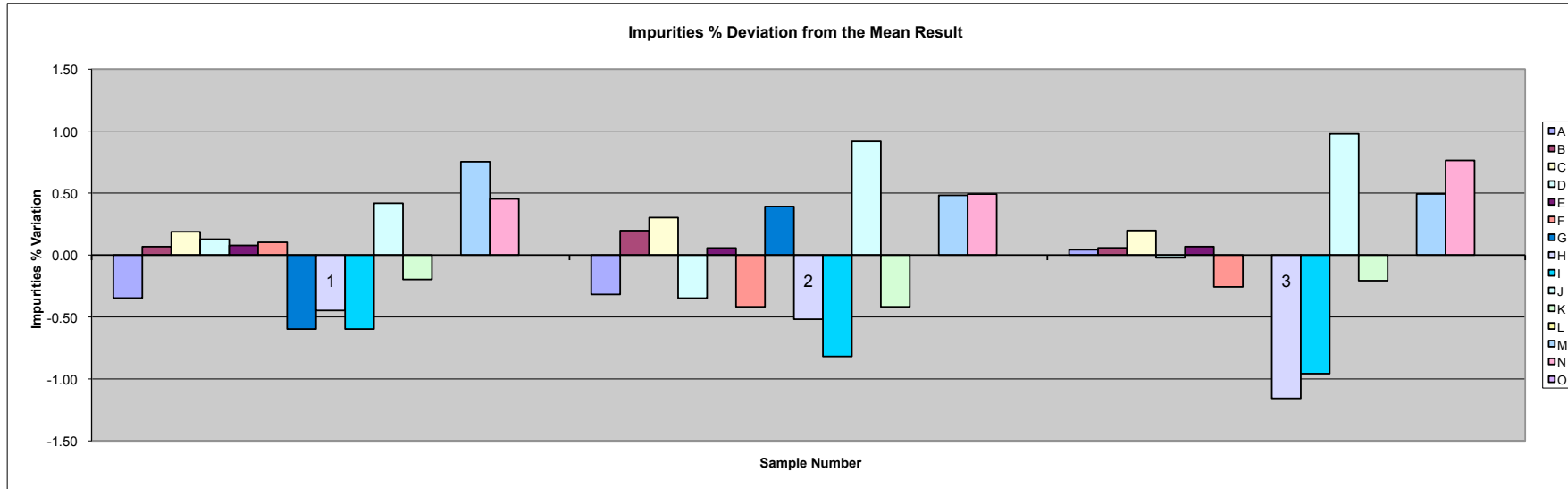
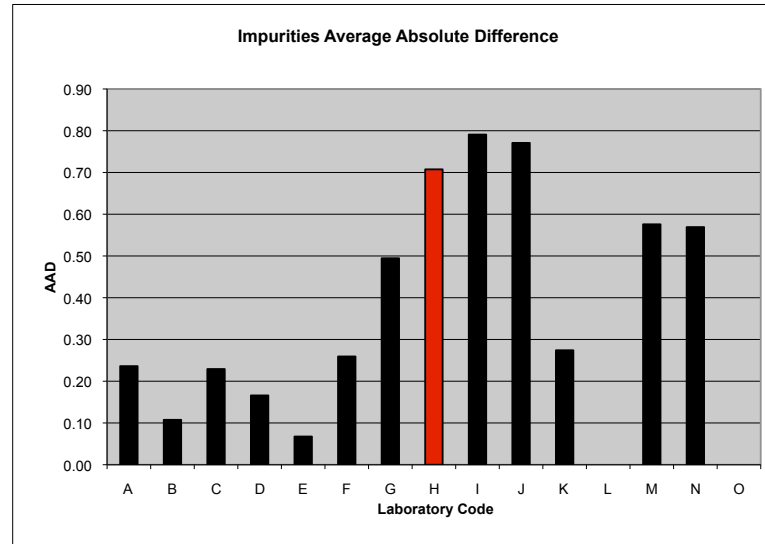
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Test Weight kg/hl								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	67.70	-0.13	67.20	-0.09	62.80	-2.06	-0.76	0.76
B	69.50	1.67	68.50	1.21	65.75	0.89	1.26	1.26
C	66.74	-1.09	62.91	-4.38	66.12	1.26	-1.41	2.25
D	68.00	0.17	69.00	1.71	65.00	0.14	0.67	0.67
E	67.10	-0.73	66.80	-0.49	64.30	-0.56	-0.59	0.59
F	68.50	0.67	68.25	0.96	65.25	0.39	0.67	0.67
G	67.55	-0.28	68.00	0.71			0.21	0.49
H	68.55	0.72	67.90	0.61	65.90	1.04	0.79	0.79
I	67.50	-0.33	68.15	0.86	64.15	-0.71	-0.06	0.63
J	68.09	0.26	67.44	0.14	64.83	-0.03	0.12	0.14
K	67.00	-0.83	67.00	-0.29	64.00	-0.86	-0.66	0.66
L								
M	66.50	-1.33	66.65	-0.64	64.30	-0.56	-0.84	0.84
N	69.04	1.21	67.04	-0.25	65.89	1.03	0.66	0.83
O								
MEAN	67.83		67.30		64.86			0.81
STDEV	0.90		1.50		0.99			



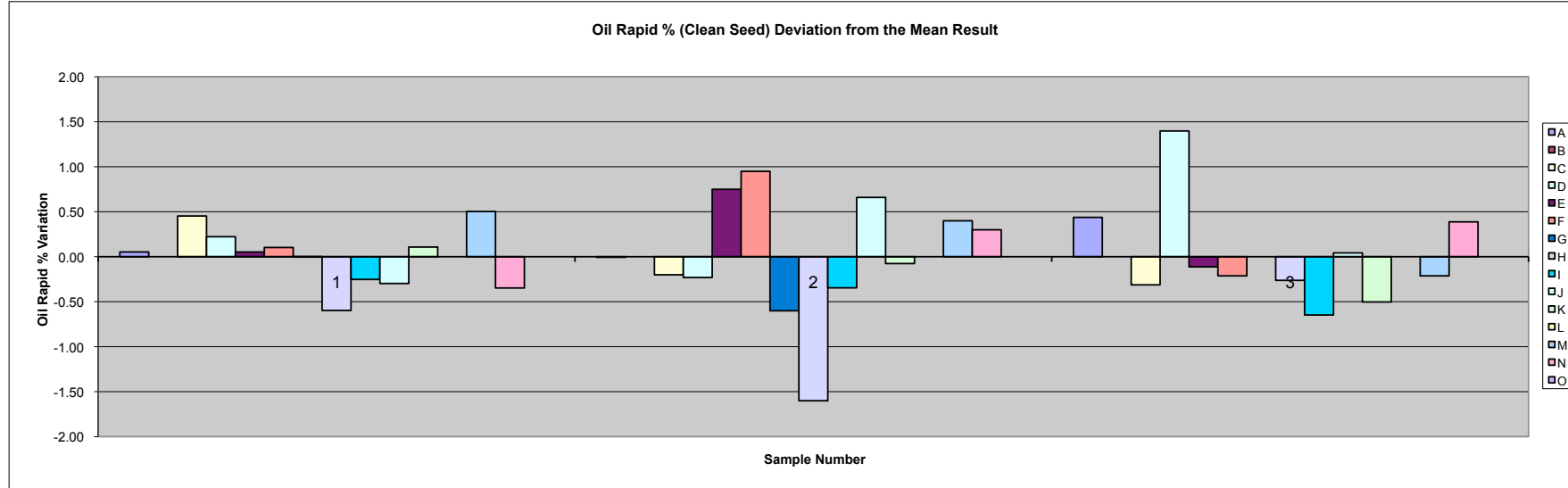
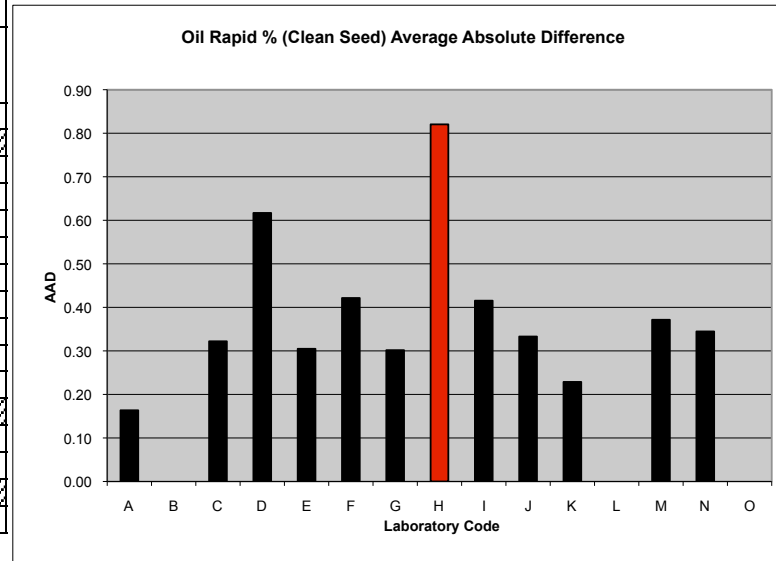
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Impurities %								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	1.15	-0.35	1.10	-0.32	1.55	0.04	-0.21	0.24
B	1.57	0.07	1.62	0.20	1.57	0.06	0.11	0.11
C	1.69	0.19	1.72	0.30	1.71	0.20	0.23	0.23
D	1.63	0.13	1.07	-0.35	1.49	-0.02	-0.08	0.17
E	1.58	0.08	1.48	0.06	1.58	0.07	0.07	0.07
F	1.60	0.10	1.00	-0.42	1.25	-0.26	-0.19	0.26
G	0.90	-0.60	1.81	0.39			-0.10	0.49
H	1.05	-0.45	0.90	-0.52	0.35	-1.16	-0.71	0.71
I	0.90	-0.60	0.60	-0.82	0.55	-0.96	-0.79	0.79
J	1.92	0.42	2.34	0.92	2.49	0.98	0.77	0.77
K	1.30	-0.20	1.00	-0.42	1.30	-0.21	-0.27	0.27
L								
M	2.25	0.75	1.90	0.48	2.00	0.49	0.58	0.58
N	1.95	0.45	1.91	0.49	2.27	0.76	0.57	0.57
O								
MEAN	1.50		1.42		1.51			0.40
STDEV	0.42		0.51		0.62			



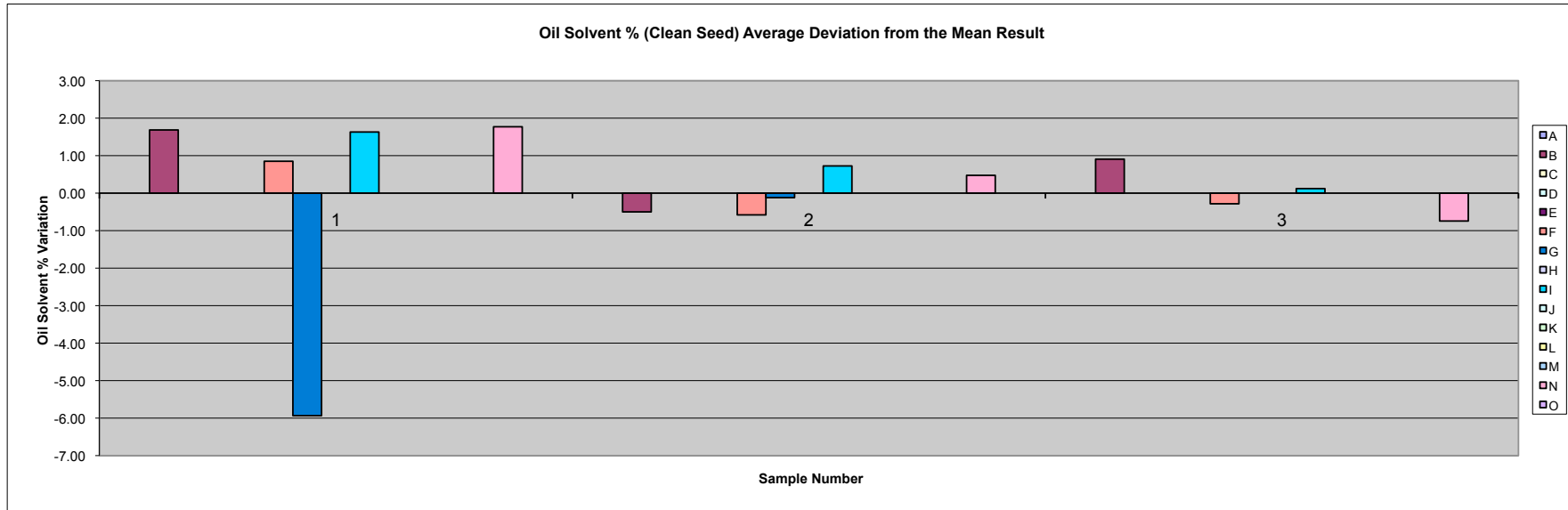
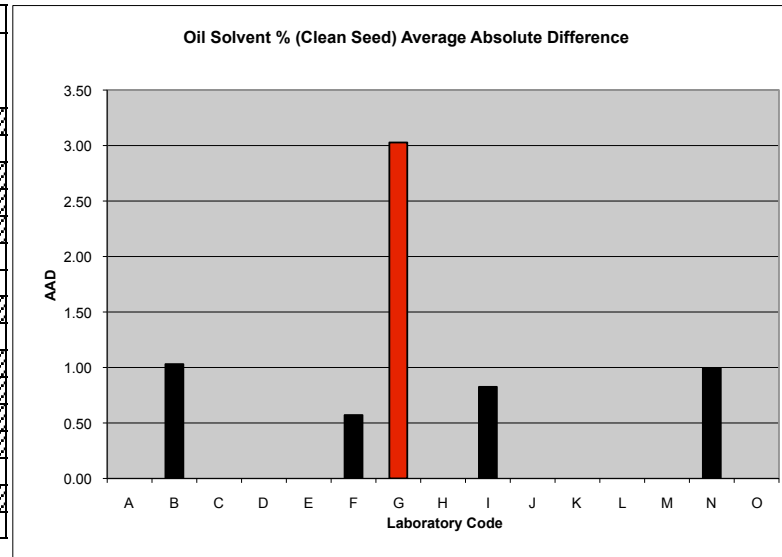
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Oil Rapid % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	42.65	0.05	38.85	0.00	43.45	0.44	0.16	0.16
B								
C	43.05	0.45	38.65	-0.20	42.70	-0.31	-0.02	0.32
D	42.82	0.22	38.62	-0.23	44.41	1.40	0.46	0.62
E	42.65	0.05	39.60	0.75	42.90	-0.11	0.23	0.30
F	42.70	0.10	39.80	0.95	42.80	-0.21	0.28	0.42
G	42.60	0.00	38.25	-0.60			-0.30	0.30
H	42.00	-0.60	37.25	-1.60	42.75	-0.26	-0.82	0.82
I	42.35	-0.25	38.51	-0.35	42.37	-0.65	-0.42	0.42
J	42.30	-0.30	39.51	0.66	43.06	0.04	0.13	0.33
K	42.71	0.11	38.78	-0.08	42.51	-0.50	-0.16	0.23
L								
M	43.10	0.50	39.25	0.40	42.80	-0.21	0.23	0.37
N	42.25	-0.35	39.15	0.30	43.40	0.39	0.11	0.34
O								
MEAN	42.60		38.85		43.01			0.39
STDEV	0.33		0.69		0.57			



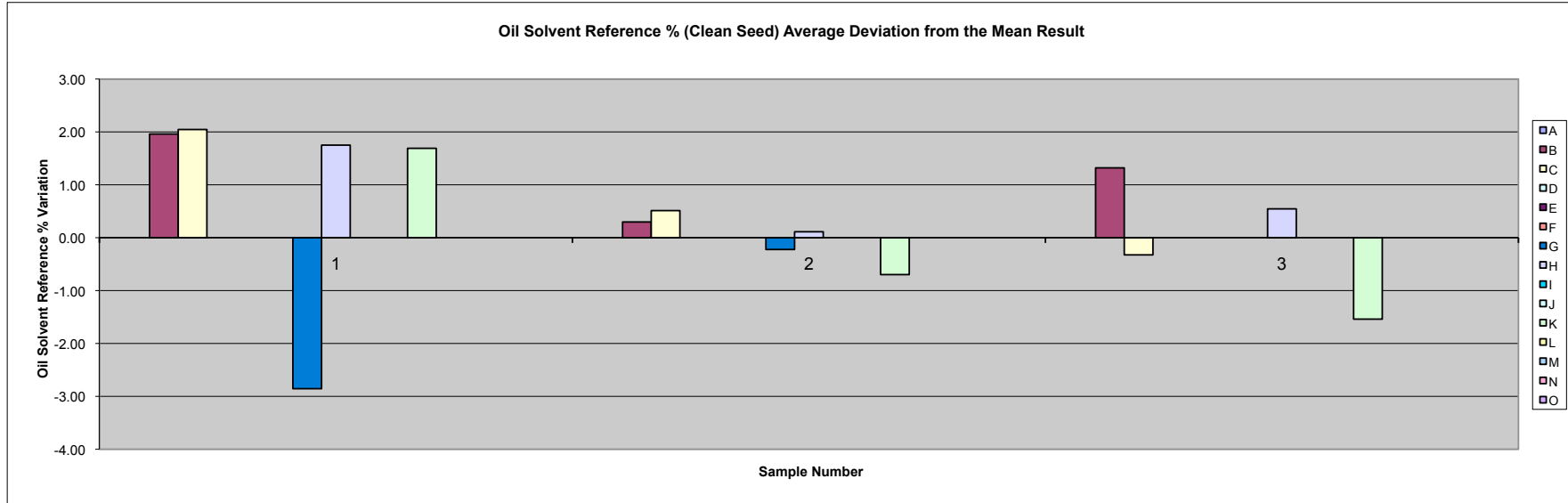
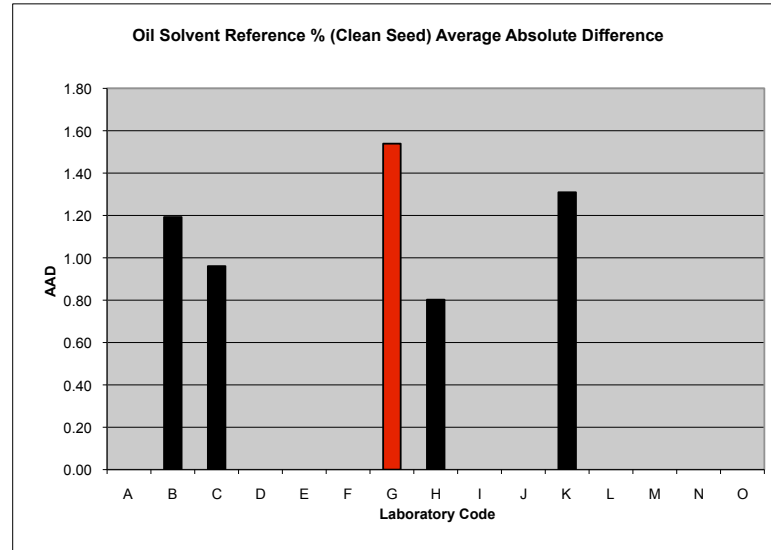
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Oil Solvent % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	42.49	1.69	37.83	-0.50	44.24	0.91	0.70	1.03
C								
D								
E								
F	41.65	0.85	37.75	-0.58	43.05	-0.28	0.00	0.57
G	34.87	-5.94	38.21	-0.12			-3.03	3.03
H								
I	42.43	1.63	39.06	0.73	43.46	0.12	0.83	0.83
J								
K								
L								
M								
N	42.57	1.77	38.81	0.48	42.59	-0.74	0.50	1.00
O								
MEAN	40.80		38.33		43.33			1.29
STDEV	3.34		0.58		0.70			



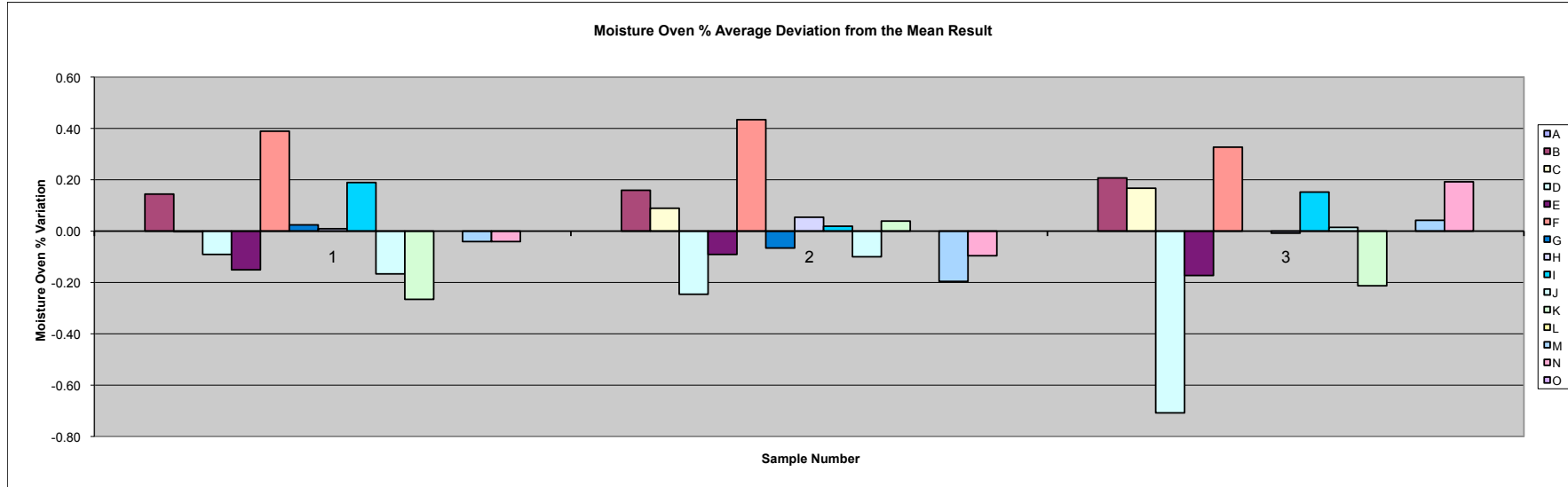
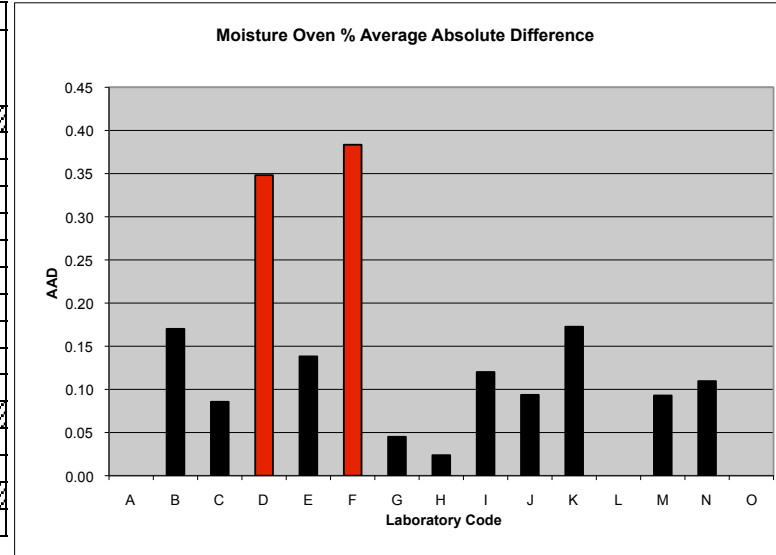
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Oil Solvent Reference % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	42.76	1.96	38.29	0.30	44.58	1.32	1.19	1.19
C	42.85	2.05	38.50	0.51	42.93	-0.33	0.74	0.96
D								
E								
F								
G	37.95	-2.86	37.77	-0.22			-1.54	1.54
H	42.55	1.75	38.10	0.11	43.80	0.54	0.80	0.80
I								
J								
K	42.49	1.69	37.29	-0.70	41.72	-1.54	-0.18	1.31
L								
M								
N								
O								
MEAN	41.72		37.99		43.26			1.16
STDEV	2.11		0.47		1.23			



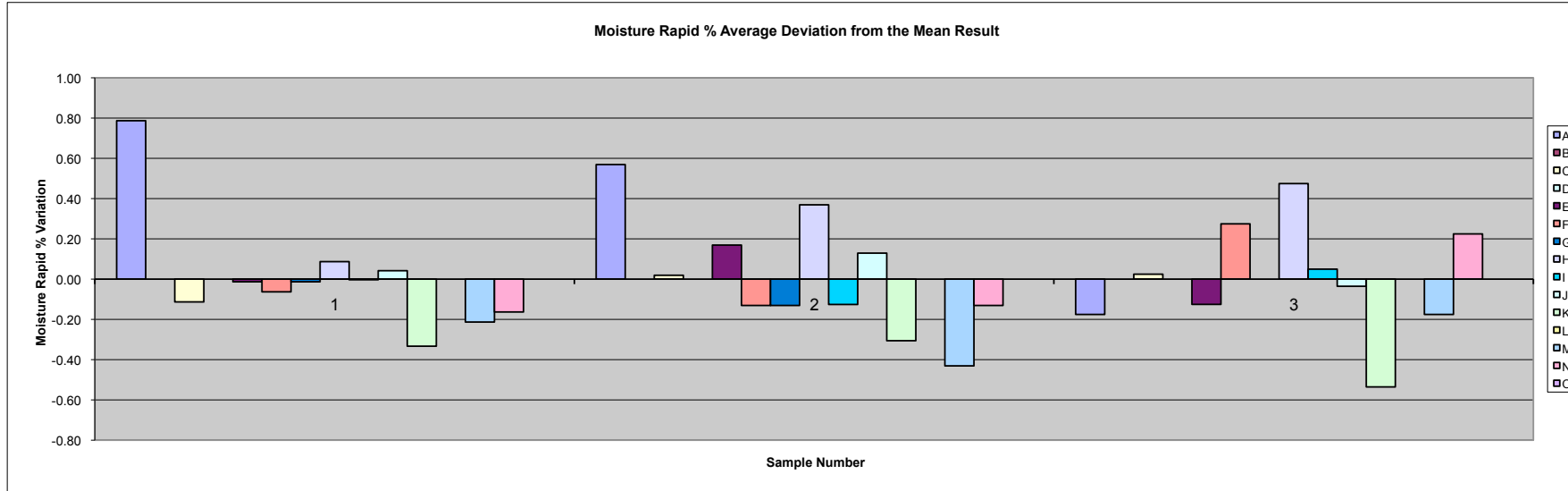
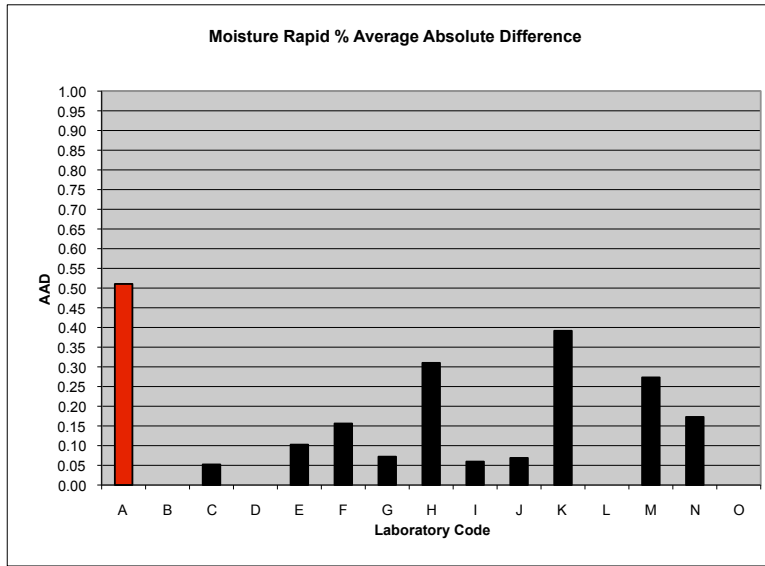
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Moisture Oven % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	6.39	0.14	4.46	0.16	5.62	0.21	0.17	0.17
C	6.24	0.00	4.39	0.09	5.58	0.17	0.09	0.09
D	6.15	-0.09	4.05	-0.25	4.70	-0.71	-0.35	0.35
E	6.09	-0.15	4.21	-0.09	5.24	-0.17	-0.14	0.14
F	6.63	0.39	4.73	0.43	5.74	0.33	0.38	0.38
G	6.27	0.02	4.23	-0.07			-0.02	0.05
H	6.25	0.01	4.35	0.05	5.40	-0.01	0.02	0.02
I	6.43	0.19	4.32	0.02	5.56	0.15	0.12	0.12
J	6.07	-0.17	4.20	-0.10	5.42	0.01	-0.08	0.09
K	5.98	-0.27	4.34	0.04	5.20	-0.21	-0.15	0.17
L								
M	6.20	-0.04	4.10	-0.20	5.45	0.04	-0.06	0.09
N	6.20	-0.04	4.20	-0.10	5.60	0.19	0.02	0.11
O								
MEAN	6.24		4.30		5.41			0.15
STDEV	0.18		0.18		0.29			



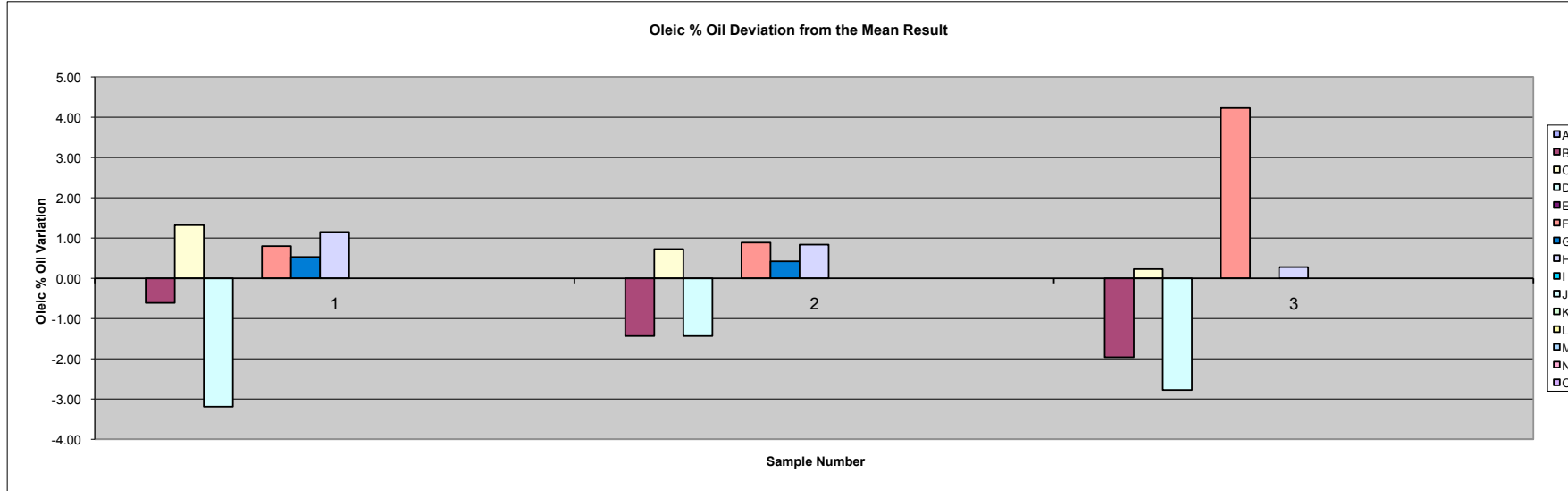
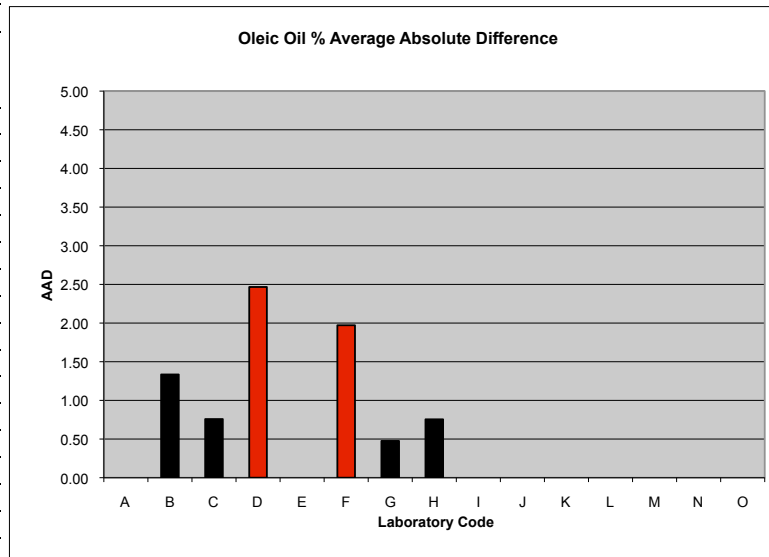
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Moisture Rapid % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	6.90	0.79	4.70	0.57	5.10	-0.18	0.39	0.51
B								
C	6.00	-0.11	4.15	0.02	5.30	0.02	-0.02	0.05
D								
E	6.10	-0.01	4.30	0.17	5.15	-0.13	0.01	0.10
F	6.05	-0.06	4.00	-0.13	5.55	0.27	0.03	0.16
G	6.10	-0.01	4.00	-0.13			-0.07	0.07
H	6.20	0.09	4.50	0.37	5.75	0.47	0.31	0.31
I	6.11	0.00	4.01	-0.13	5.33	0.05	-0.03	0.06
J	6.16	0.04	4.26	0.13	5.24	-0.04	0.05	0.07
K	5.78	-0.33	3.83	-0.31	4.74	-0.54	-0.39	0.39
L								
M	5.90	-0.21	3.70	-0.43	5.10	-0.18	-0.27	0.27
N	5.95	-0.16	4.00	-0.13	5.50	0.22	-0.02	0.17
O								
MEAN	6.11		4.13		5.28			0.20
STDEV	0.29		0.29		0.28			



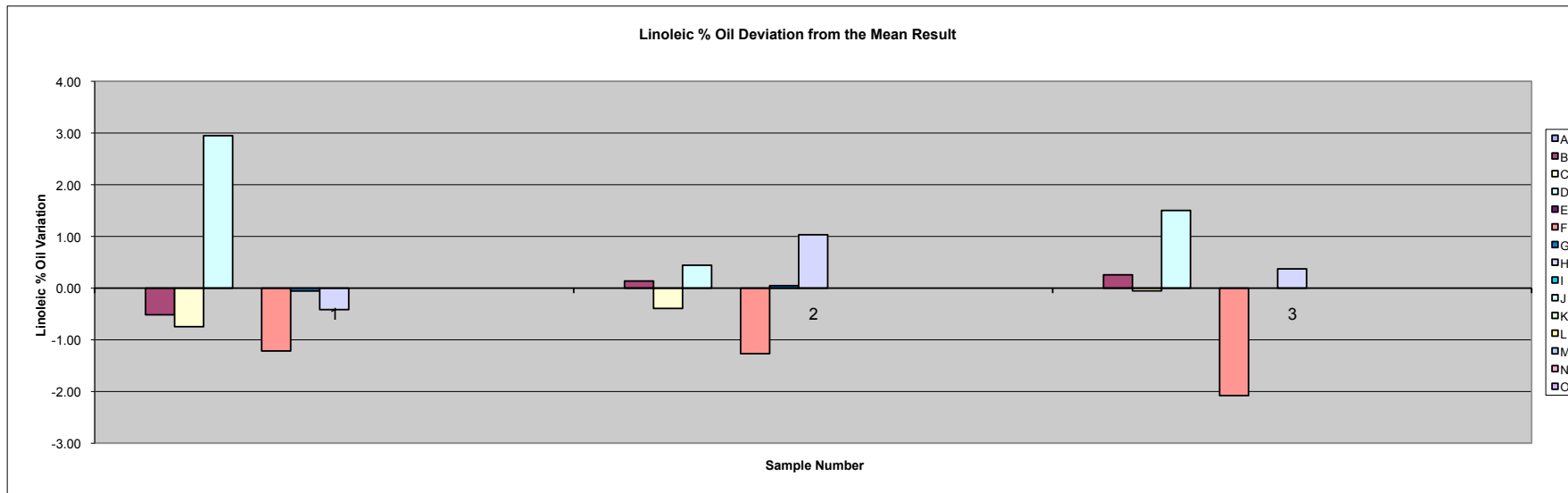
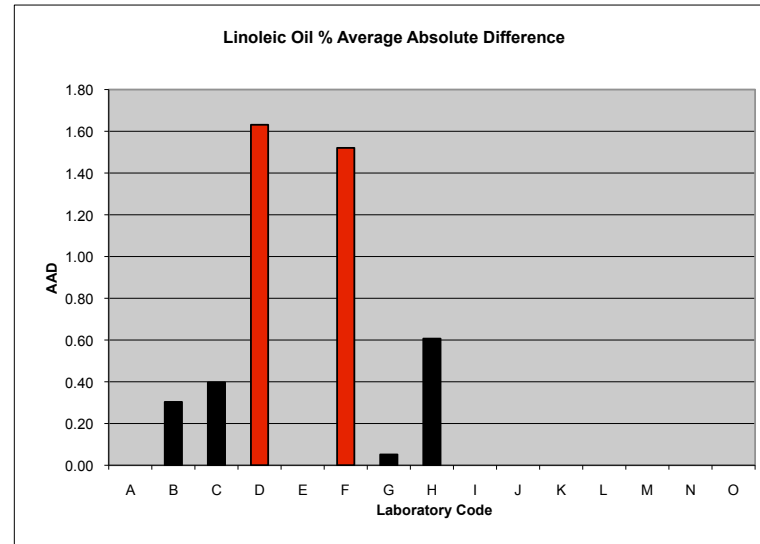
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Oleic % Oil Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	61.34	-0.61	60.43	-1.43	56.96	-1.96	-1.34	1.34
C	63.27	1.32	62.59	0.73	59.15	0.23	0.76	0.76
D	58.76	-3.19	60.43	-1.43	56.15	-2.78	-2.47	2.47
E								
F	62.75	0.80	62.75	0.89	63.15	4.23	1.97	1.97
G	62.48	0.53	62.29	0.42			0.48	0.48
H	63.10	1.15	62.70	0.84	59.20	0.28	0.75	0.75
I								
J								
K								
L								
M								
N								
O								
MEAN	61.95		61.86		58.92			1.29
STDEV	1.70		1.12		2.72			



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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	19.90	-0.52	20.61	0.14	21.49	0.26	-0.04	0.30
C	19.67	-0.75	20.08	-0.39	21.18	-0.05	-0.40	0.40
D	23.37	2.95	20.91	0.44	22.73	1.50	1.63	1.63
E								
F	19.20	-1.22	19.20	-1.27	19.15	-2.08	-1.52	1.52
G	20.36	-0.06	20.52	0.05			0.00	0.05
H	20.00	-0.42	21.50	1.03	21.60	0.37	0.33	0.61
I								
J								
K								
L								
M								
N								
O								
MEAN	20.42		20.47		21.23			0.75
STDEV	1.49		0.78		1.30			



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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	0.15	-0.07	0.11	-0.10	0.16	-0.12	-0.10	0.10
C	0.20	-0.01	0.25	0.03	0.26	-0.02	0.00	0.02
D	0.22	0.00	0.18	-0.04	0.31	0.03	0.00	0.02
E	0.32	0.11	0.48	0.27	0.58	0.30	0.22	0.22
F	0.21	-0.01	0.16	-0.05	0.24	-0.04	-0.03	0.03
G	0.27	0.05	0.35	0.14			0.09	0.09
H	0.13	-0.09	0.09	-0.12	0.15	-0.13	-0.11	0.11
I								
J								
K	0.24	0.02	0.10	-0.11	0.25	-0.03	-0.04	0.06
L								
M								
N								
O								
MEAN	0.21		0.21		0.28			0.08
STDEV	0.06		0.14		0.14			

