



**AOF Test Check Program
Monthly Report
Round 5
May – 2014
01/05/2014 – 01/06/2014**

Result Receival Dates

Lab Code	Date
A	06/05/2014
B	29/05/2014
C	30/06/2014
D	22/05/2014
E	08/05/2014
F	N/A
G	30/05/2014
H	10/06/2014
I	02/06/2014
J	30/05/2014
K	20/05/2014
L	N/A
M	29/05/2014
N	26/05/2014
O	16/05/2014
Q	02/05/2014



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Discussion of Results

Test Weight

Sample 1 – No outliers were observed.

Sample 2 – Outliers, identified for Labs **D** and **M**, were 1.76 and 1.06 h/L, respectively, from the lower quartile limit (67.31 h/L).

Sample 3 – No outliers were observed.

Impurities

Sample 1 – One outlier was identified for Lab **B** with a 0.57 of a percent discrepancy from the upper quartile limit (4.08%).

Sample 2 – No outliers were observed.

Sample 3 – Outliers were identified for Lab **B**, **H** and **I**. Lab **B** was 0.33 of a percent discrepancy from the upper quartile limit (3.03%). Lab **H** and **I** both result in a 0.19 and 0.18 of a percent discrepancy, respectively, from the lower quartile limit (1.23%).

Oil Rapid

Sample 1 – Outliers were identified for Lab **D** and **I**. Lab **D** was 0.69 of a percent discrepancy from the upper quartile limit (44.80%). Lab **I** has a 0.09 of a percent discrepancy from the lower quartile limit (43.64%).

Sample 2 – One outlier was identified for Lab **D** with a 0.08 of a percent discrepancy from the upper quartile limit (42.91%).

Sample 3 – One outlier was identified for Lab **D** with a 1.40 of a percent discrepancy from the upper quartile limit (48.16%).

Oil Solvent Extraction

No Outliers were identified for this test method.



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Moisture Oven

Sample 1 – Outliers were identified for Lab **D** and **G**. Lab **D** was 0.46 of a percent discrepancy from the upper quartile limit (5.64%). Lab **G** was 0.02 of a percent discrepancy from the lower quartile limit (5.09%).

Sample 2 – Outliers, identified for Lab **D** and **E**, were 0.14 and 0.55 of a percent discrepancy, respectively, from the upper quartile limit (5.71%).

Sample 3 – No outliers were observed.

Moisture Rapid

No Outliers were identified for this test method.

Oleic Oil

No Outliers were identified for this test method.

Linoleic Oil

Sample 1 – No outliers were observed.

Sample 2 – Outliers were identified for Lab **E** and **G**. Lab **E** was 0.32 of a percent discrepancy from the upper quartile limit (18.85%). Lab **G** was 1.22 of a percent discrepancy from the lower quartile limit (17.89%).

Sample 3 – No outliers were observed.

Free Fatty Acid

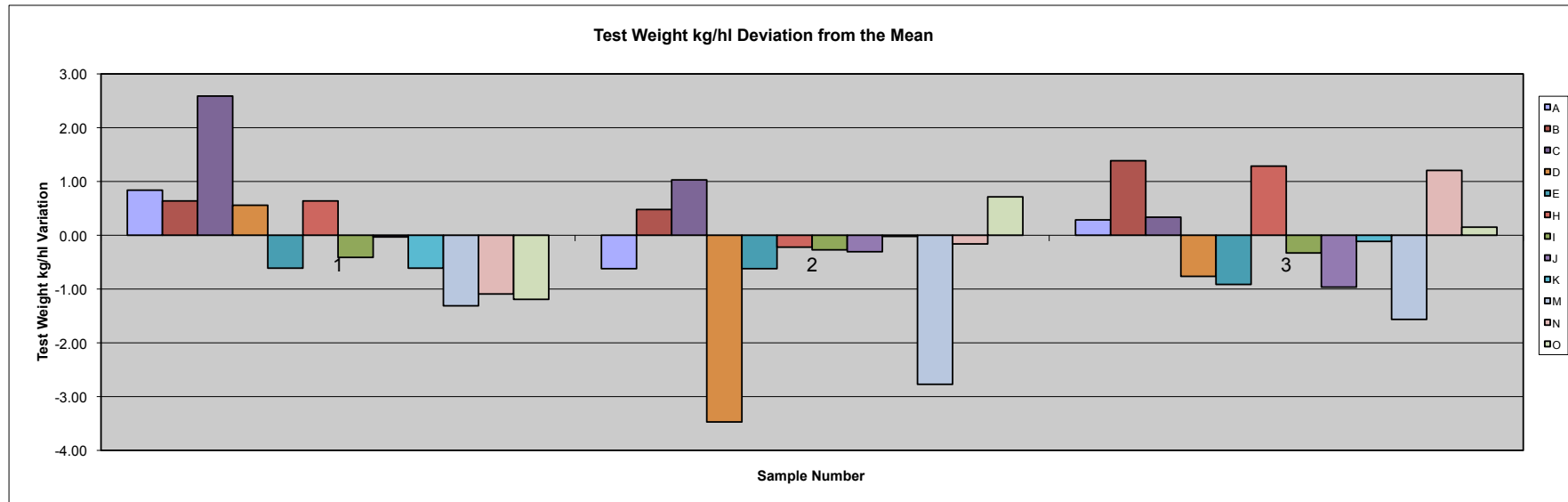
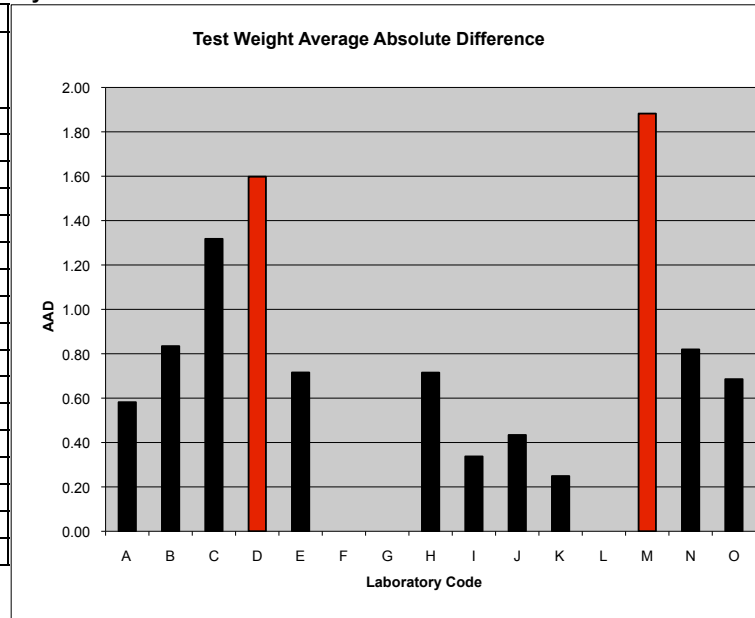
Sample 1 – One outlier was identified for Lab **E** with a 0.08 of a percent discrepancy from the upper quartile limit (0.54%).

Sample 2 – One outlier was identified for Lab **E** with a 0.02 of a percent discrepancy from the upper quartile limit (0.47%).

Sample 3 – One outlier was identified for Lab **E** with a 0.09 of a percent discrepancy from the upper quartile limit (0.50%).

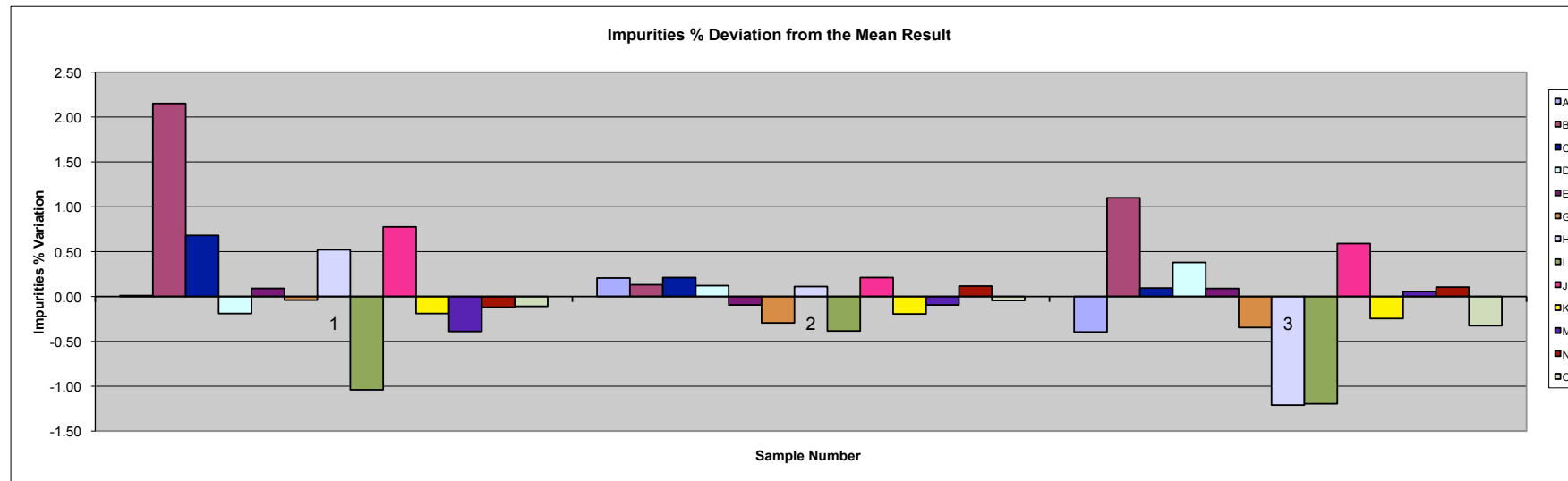
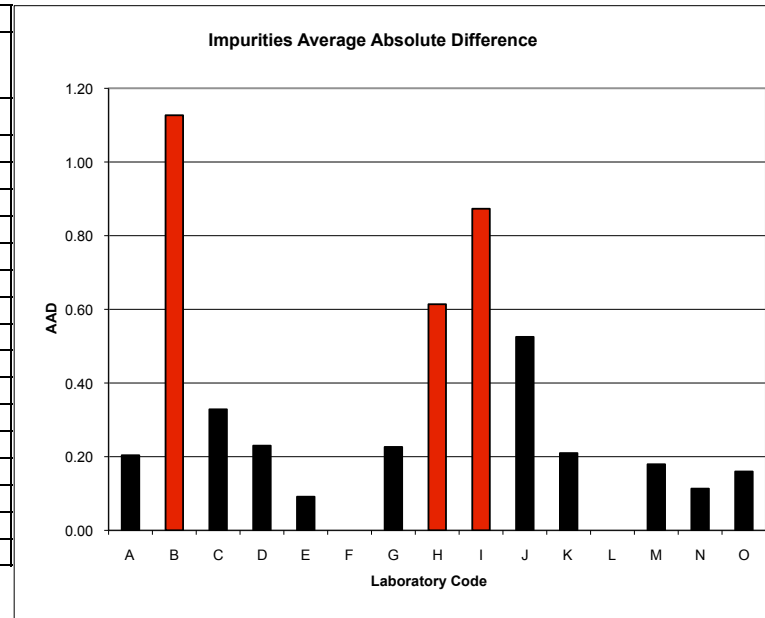
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Test Weight kg/hl								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	67.45	0.84	68.40	-0.62	66.40	0.29	0.17	0.58
B	67.25	0.64	69.50	0.48	67.50	1.39	0.83	0.83
C	69.20	2.59	70.05	1.03	66.45	0.34	1.32	1.32
D	67.17	0.56	65.55	-3.47	65.35	-0.76	-1.23	1.60
E	66.00	-0.61	68.40	-0.62	65.20	-0.91	-0.72	0.72
F								
G								
H	67.25	0.64	68.80	-0.22	67.40	1.29	0.57	0.72
I	66.20	-0.41	68.75	-0.27	65.79	-0.33	-0.34	0.34
J	66.58	-0.03	68.72	-0.31	65.15	-0.96	-0.43	0.43
K	66.00	-0.61	69.00	-0.02	66.00	-0.11	-0.25	0.25
L								
M	65.30	-1.31	66.25	-2.77	64.55	-1.56	-1.88	1.88
N	65.52	-1.09	68.86	-0.16	67.32	1.21	-0.02	0.82
O	65.42	-1.19	69.74	0.71	66.27	0.15	-0.11	0.69
Q								
MEAN	66.61		69.02		66.11			0.85
STDEV	1.12		0.94		0.96			



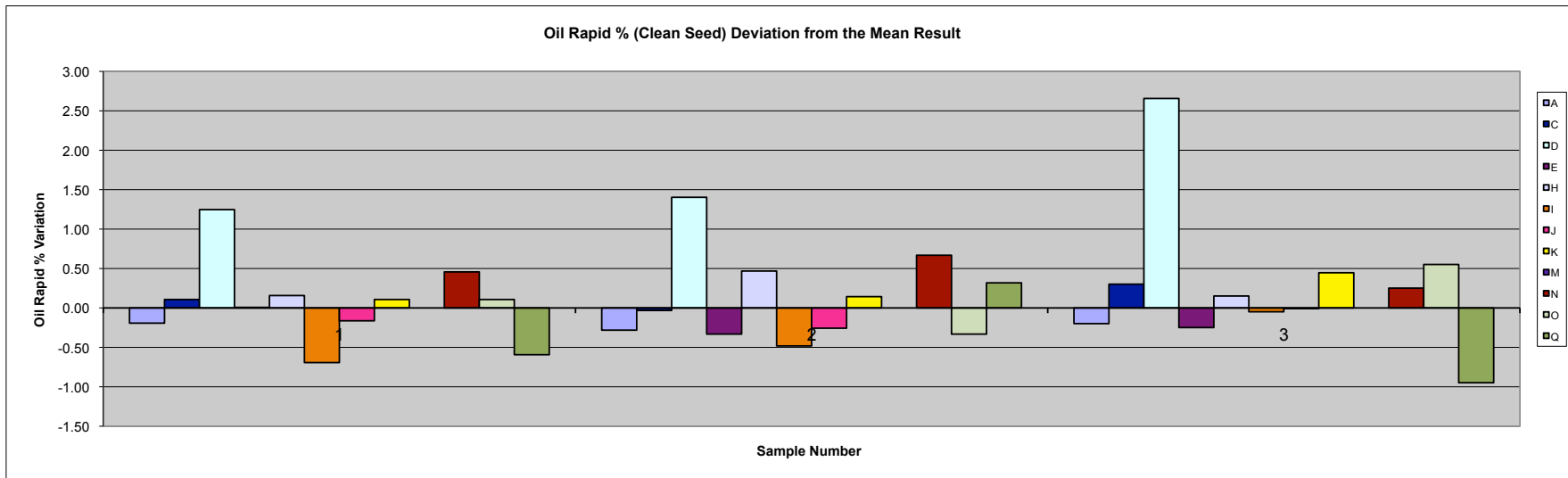
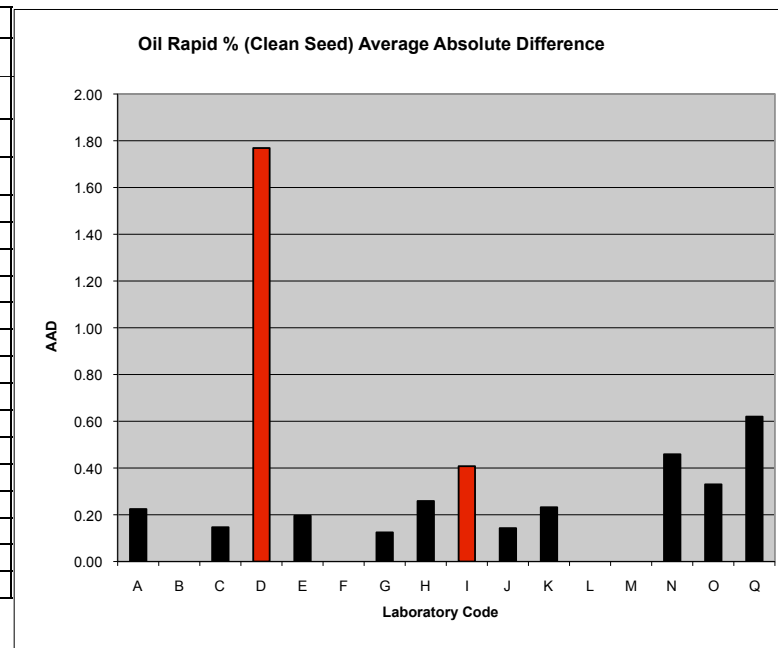
**2014 AOF Test Check Program
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Impurities %								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	2.50	0.01	1.20	0.21	1.85	-0.40	-0.06	0.20
B	4.64	2.15	1.13	0.13	3.35	1.10	1.13	1.13
C	3.17	0.68	1.21	0.21	2.34	0.09	0.33	0.33
D	2.30	-0.19	1.12	0.12	2.63	0.38	0.10	0.23
E	2.58	0.09	0.90	-0.09	2.34	0.09	0.03	0.09
F								
G	2.45	-0.04	0.70	-0.29	1.90	-0.35	-0.23	0.23
H	3.01	0.52	1.11	0.11	1.04	-1.21	-0.19	0.61
I	1.45	-1.04	0.61	-0.38	1.05	-1.20	-0.87	0.87
J	3.27	0.78	1.21	0.21	2.84	0.59	0.53	0.53
K	2.30	-0.19	0.80	-0.19	2.00	-0.25	-0.21	0.21
L								
M	2.10	-0.39	0.90	-0.09	2.30	0.05	-0.14	0.18
N	2.37	-0.12	1.11	0.12	2.35	0.10	0.03	0.11
O	2.38	-0.11	0.95	-0.04	1.92	-0.33	-0.16	0.16
Q								
MEAN	2.49		0.99		2.25			0.38
STDEV	0.49		0.20		0.33			



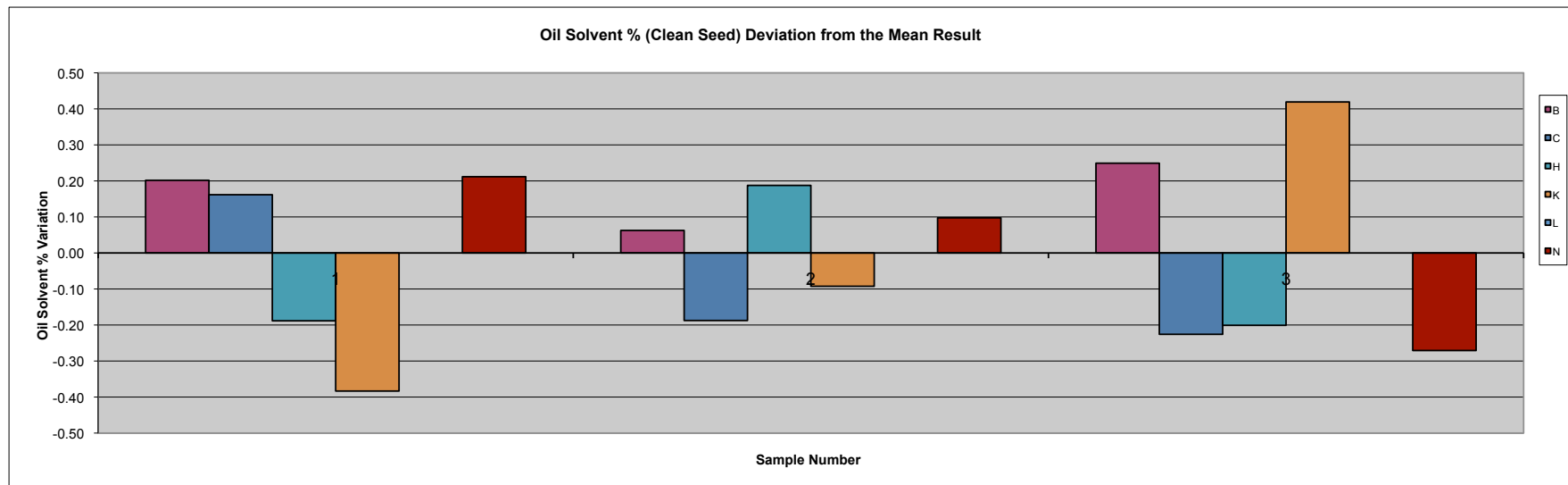
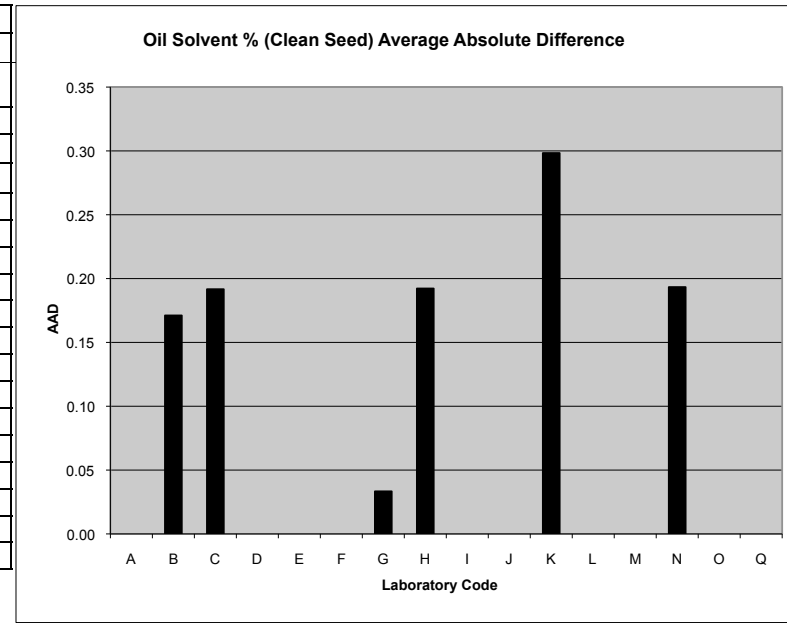
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Oil Rapid % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	44.05	-0.19	41.30	-0.28	46.70	-0.20	-0.22	0.22
B								
C	44.35	0.11	41.55	-0.03	47.20	0.30	0.13	0.15
D	45.49	1.25	42.99	1.40	49.56	2.66	1.77	1.77
E	44.25	0.01	41.25	-0.33	46.65	-0.25	-0.19	0.20
F								
G	44.25	0.01	41.70	0.12	46.65	-0.25	-0.04	0.12
H	44.40	0.16	42.05	0.47	47.05	0.15	0.26	0.26
I	43.55	-0.69	41.10	-0.48	46.85	-0.05	-0.41	0.41
J	44.08	-0.16	41.33	-0.26	46.89	-0.01	-0.14	0.14
K	44.35	0.11	41.73	0.14	47.35	0.45	0.23	0.23
L								
M								
N	44.70	0.46	42.25	0.67	47.15	0.25	0.46	0.46
O	44.35	0.11	41.25	-0.33	47.45	0.55	0.11	0.33
Q	43.65	-0.59	41.90	0.32	45.95	-0.95	-0.41	0.62
MEAN	44.24		41.58		46.90			0.41
STDEV	0.28		0.37		0.42			



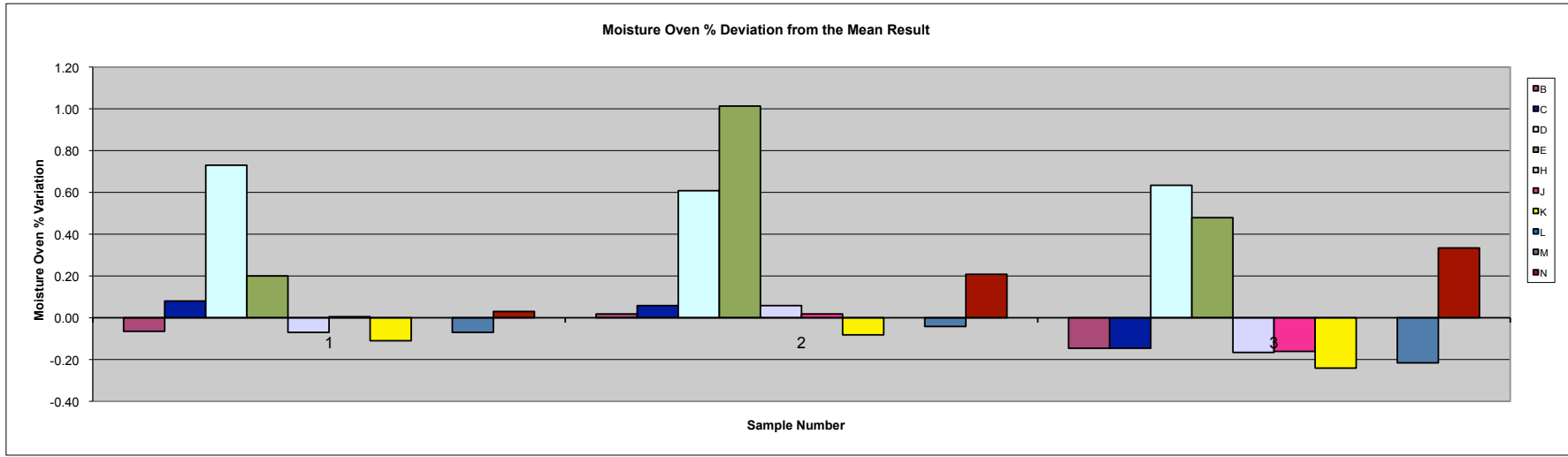
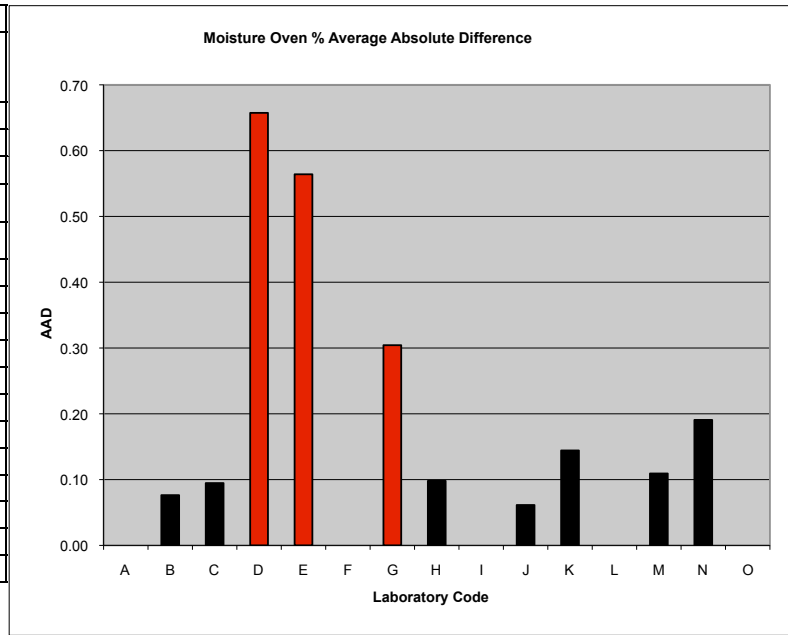
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Oil Solvent % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	44.99	0.20	42.03	0.06	48.00	0.25	0.17	0.17
C	44.95	0.16	41.78	-0.19	47.53	-0.23	-0.08	0.19
D								
E								
F								
G	44.79	0.00	41.90	-0.07	47.78	0.03	-0.01	0.03
H	44.60	-0.19	42.15	0.19	47.55	-0.20	-0.07	0.19
I								
J								
K	44.41	-0.38	41.87	-0.09	48.17	0.42	-0.02	0.30
L								
M								
N	45.00	0.21	42.06	0.10	47.48	-0.27	0.01	0.19
O								
Q								
MEAN	44.79		41.96		47.75			0.18
STDEV	0.24		0.14		0.28			



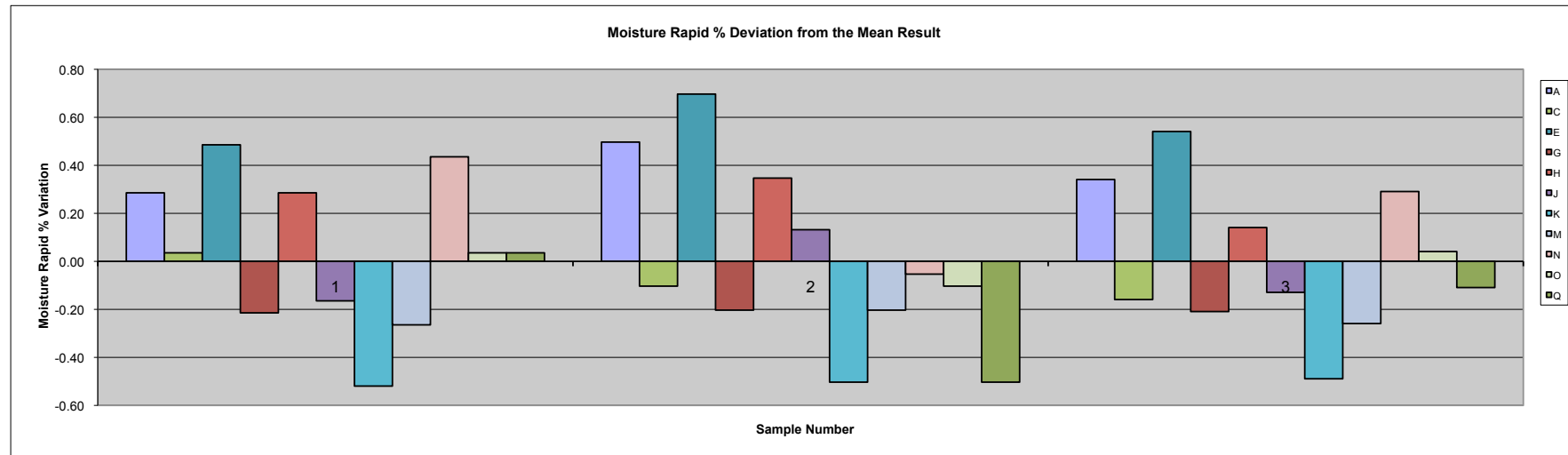
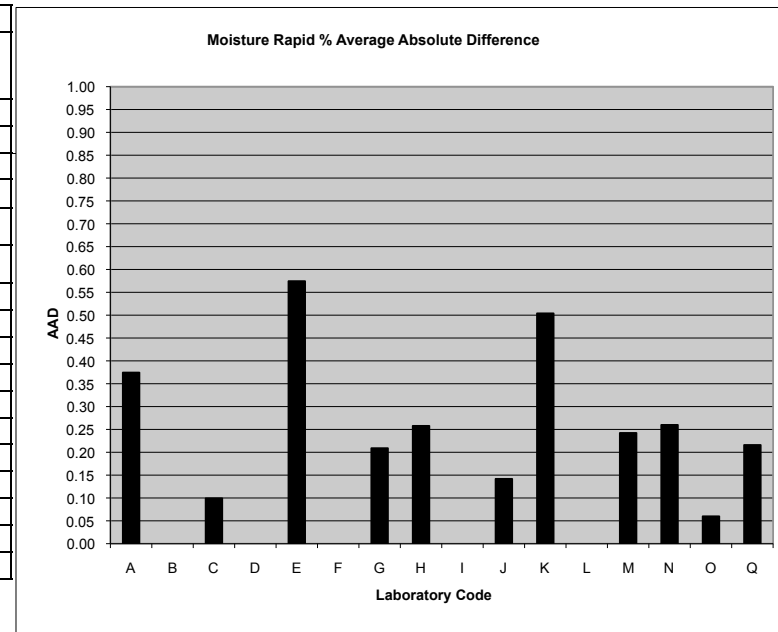
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Moisture Oven % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	5.31	-0.06	5.26	0.02	5.17	-0.15	-0.06	0.08
C	5.45	0.08	5.30	0.06	5.17	-0.15	0.00	0.09
D	6.10	0.73	5.85	0.61	5.95	0.63	0.66	0.66
E	5.57	0.20	6.26	1.01	5.80	0.48	0.56	0.56
F								
G	5.07	-0.31	5.01	-0.24	4.95	-0.37	-0.30	0.30
H	5.30	-0.07	5.30	0.06	5.15	-0.17	-0.06	0.10
I								
J	5.38	0.01	5.26	0.02	5.16	-0.16	-0.05	0.06
K	5.26	-0.11	5.16	-0.08	5.08	-0.24	-0.14	0.14
L								
M	5.30	-0.07	5.20	-0.04	5.10	-0.22	-0.11	0.11
N	5.40	0.03	5.45	0.21	5.65	0.33	0.19	0.19
O								
Q								
MEAN	5.37		5.24		5.32			0.23
STDEV	0.10		0.13		0.35			



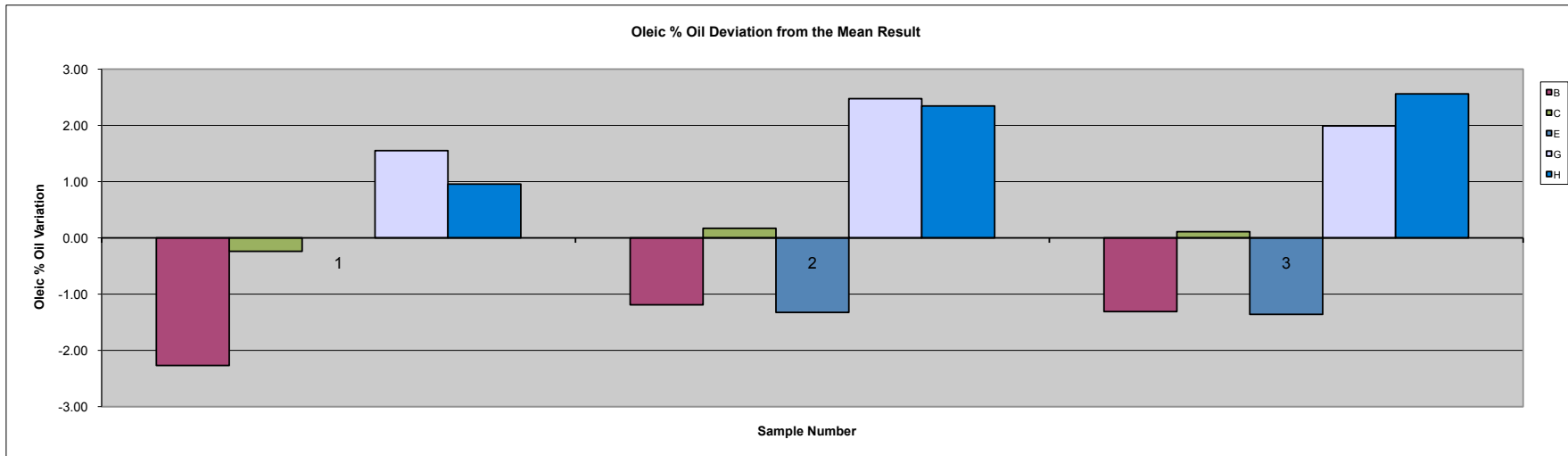
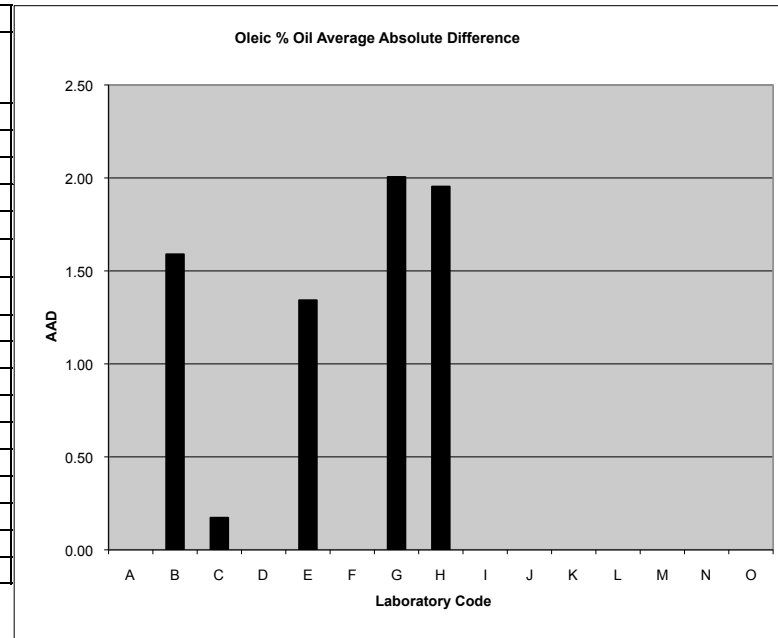
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Moisture Rapid % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	5.50	0.29	6.15	0.50	5.60	0.34	0.37	0.37
B								
C	5.25	0.04	5.55	-0.10	5.10	-0.16	-0.08	0.10
D								
E	5.70	0.49	6.35	0.70	5.80	0.54	0.57	0.57
F								
G	5.00	-0.21	5.45	-0.20	5.05	-0.21	-0.21	0.21
H	5.50	0.29	6.00	0.35	5.40	0.14	0.26	0.26
I								
J	5.05	-0.16	5.79	0.13	5.13	-0.13	-0.05	0.14
K	4.70	-0.52	5.15	-0.50	4.77	-0.49	-0.50	0.50
L								
M	4.95	-0.26	5.45	-0.20	5.00	-0.26	-0.24	0.24
N	5.65	0.44	5.60	-0.05	5.55	0.29	0.22	0.26
O	5.25	0.04	5.55	-0.10	5.30	0.04	-0.01	0.06
Q	5.25	0.04	5.15	-0.50	5.15	-0.11	-0.19	0.22
MEAN	5.21		5.65		5.26			0.27
STDEV	0.30		0.39		0.30			



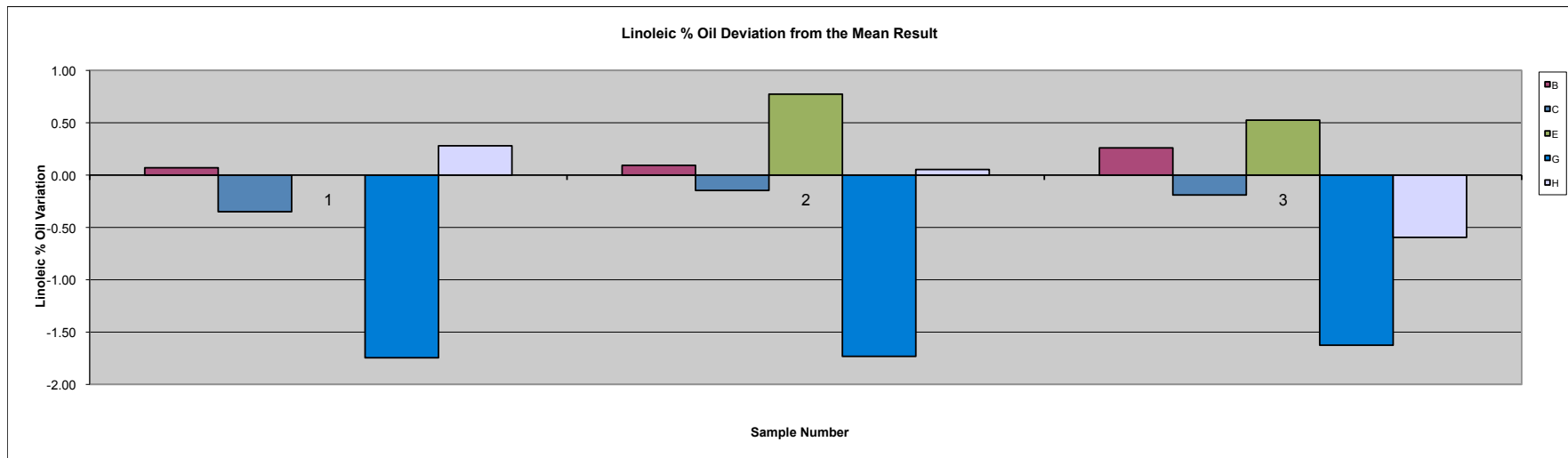
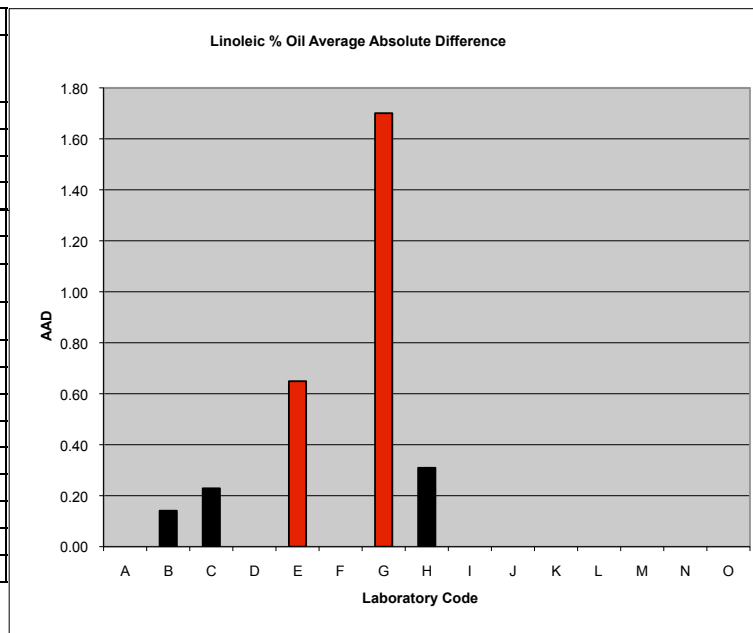
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Oleic % Oil Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	60.53	-2.27	61.42	-1.19	57.98	-1.31	-1.59	1.59
C	62.56	-0.24	62.78	0.17	59.40	0.11	0.01	0.17
D								
E			61.28	-1.33	57.93	-1.36	-1.34	1.34
F								
G	64.35	1.55	65.08	2.47	61.28	1.99	2.01	2.01
H	63.75	0.96	64.95	2.35	61.85	2.56	1.95	1.95
I								
J								
K								
L								
M								
N								
O								
Q								
MEAN	62.79		62.61		59.29			1.41
STDEV	1.69		1.70		1.84			



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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	19.79	0.07	18.49	0.09	22.91	0.26	0.14	0.14
C	19.37	-0.35	18.25	-0.15	22.46	-0.19	-0.23	0.23
D								
E			19.17	0.77	23.17	0.53	0.65	0.65
F								
G	17.98	-1.75	16.67	-1.73	21.02	-1.63	-1.70	1.70
H	20.00	0.28	18.45	0.05	22.05	-0.59	-0.09	0.31
I								
J								
K								
L								
M								
N								
O								
Q								
MEAN	19.72		18.40		22.65			0.61
STDEV	0.32		0.13		0.49			



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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	0.09	-0.11	0.17	-0.08	0.14	-0.09	-0.09	0.09
C	0.27	0.08	0.31	0.06	0.28	0.05	0.07	0.07
D								
E	0.62	0.43	0.49	0.24	0.59	0.36	0.35	0.35
F								
G	0.30	0.10	0.30	0.06	0.33	0.10	0.09	0.09
H	0.21	0.01	0.26	0.02	0.21	-0.02	0.00	0.02
I								
J								
K	0.10	-0.09	0.18	-0.07	0.19	-0.04	-0.07	0.07
L								
M								
N								
O								
Q								
MEAN	0.19		0.24		0.23			0.11
STDEV	0.10		0.07		0.08			

