



**AOF Test Check Program
Monthly Report
Round 4
April – 2014**

01/04/2014 – 01/05/2014

Result Receival Dates

Lab Code	Date
A	14/04/2014
B	30/04/2014
C	01/05/2014
D	24/04/2014
E	17/04/2014
F	-
G	26/04/2014
H	01/05/2014
I	29/04/2014
J	23/04/2014
K	24/04/2014
L	15/04/2014
M	01/05/2014
N	18/04/2014
O	15/04/2014
Q	16/04/2014

Discussion of Results

Test Weight

Sample 1 – One outlier was identified for Lab D with a 0.16 h/L discrepancy from the lower quartile limit (66.38 h/L).

Sample 2 – Outliers were identified for Labs C and D. Lab C has a 1.44 h/L discrepancy from the upper quartile limit (68.56 h/L). Lab D has a 2.51 h/L discrepancy from the lower quartile limit (64.38 h/L).

Sample 3 – One outlier was identified for Lab D with a 3.89 h/L discrepancy from the lower quartile limit (65.44 h/L).



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Impurities

Sample 1 – One outlier was identified for Lab **B** with a 0.41 of a percent discrepancy from the upper quartile limit (2.85%).

Sample 2 – One outlier was identified for Lab **A** with a 1.14 of a percent discrepancy from the upper quartile limit (1.77%).

Sample 3 – No outliers were observed.

Oil Rapid

Sample 1 – No outliers were observed.

Sample 2 – One outlier was identified for Lab **D** with a 0.84 of a percent discrepancy from the upper quartile limit (46.88%).

Sample 3 – One outlier was identified for Lab **N** with a 1.55 of a percent discrepancy from the upper quartile limit (38.50%).

Oil Solvent Extraction

No Outliers were identified for this test method.

Moisture Oven

Sample 1 – No outliers were observed.

Sample 2 – Outliers were identified for Lab **B**, **D** and **G**. Lab **B** and **G** both result in a 0.26 and 0.05 of a percent discrepancy, respectively, from the lower quartile limit (4.75%). Lab **D** has a 0.37 of a percent discrepancy from the upper quartile limit (5.53%).

Sample 3 – One outlier was identified for Lab **D** with a 0.04 of a percent discrepancy from the upper quartile limit (8.21%).

Moisture Rapid

Sample 1 – One outlier was identified for Lab **N** with a 0.64 of a percent discrepancy from the lower quartile limit (7.79%).

Sample 2 – No outliers were observed.

Sample 3 – No outliers were observed.



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Oleic Oil

Sample 1 – No outliers were observed.

Sample 2 – One outlier was identified for Lab **G** with a 0.14 of a percent discrepancy from the upper quartile limit (73.42%).

Sample 3 – One outlier was identified for Lab **G** with a 0.05 of a percent discrepancy from the upper quartile limit (71.17%).

Linoleic Oil

Sample 1 – One outlier was identified for Lab **G** with a 0.02 of a percent discrepancy from the lower quartile limit (13.88%).

Sample 2 – One outlier was identified for Lab **G** with a 1.10 of a percent discrepancy from the lower quartile limit (12.37%).

Sample 3 – One outlier was identified for Lab **G** with a 0.87 of a percent discrepancy from the lower quartile limit (13.86%).

Free Fatty Acid

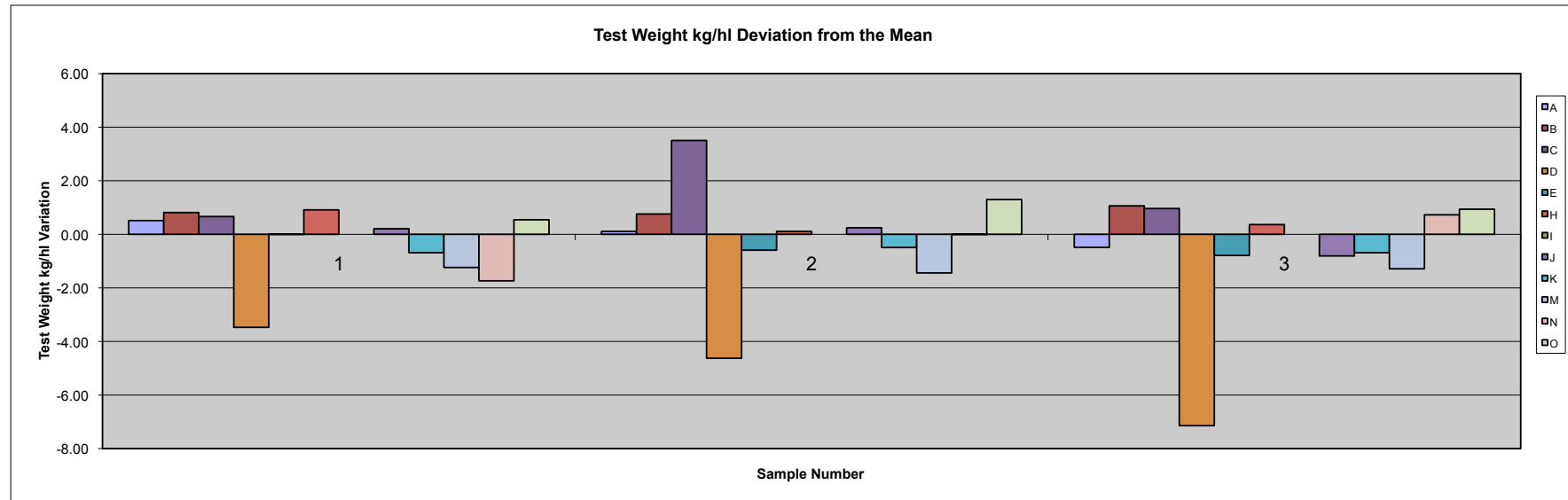
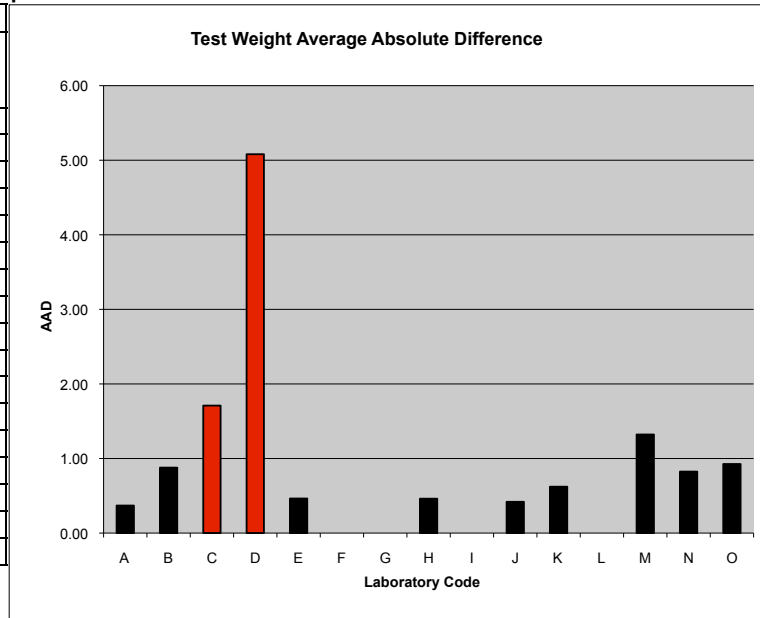
Sample 1 – No outliers were observed.

Sample 2 – No outliers were observed.

Sample 3 – One outlier was identified for Lab **E** with a 0.08 of a percent discrepancy from the upper quartile limit (0.56%).

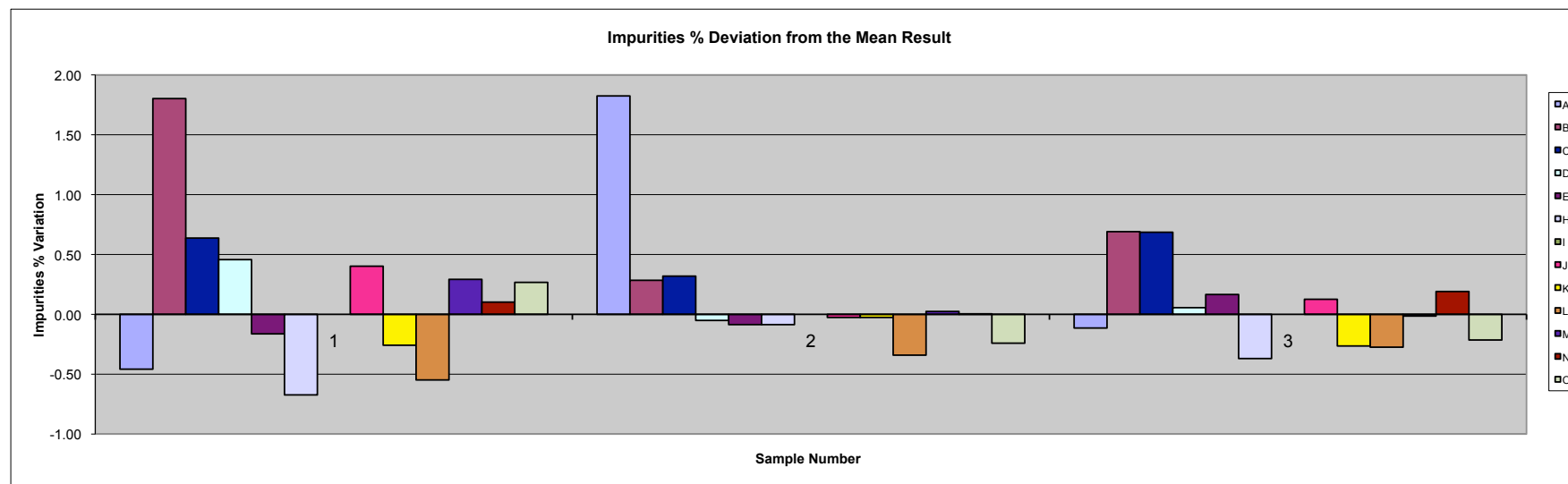
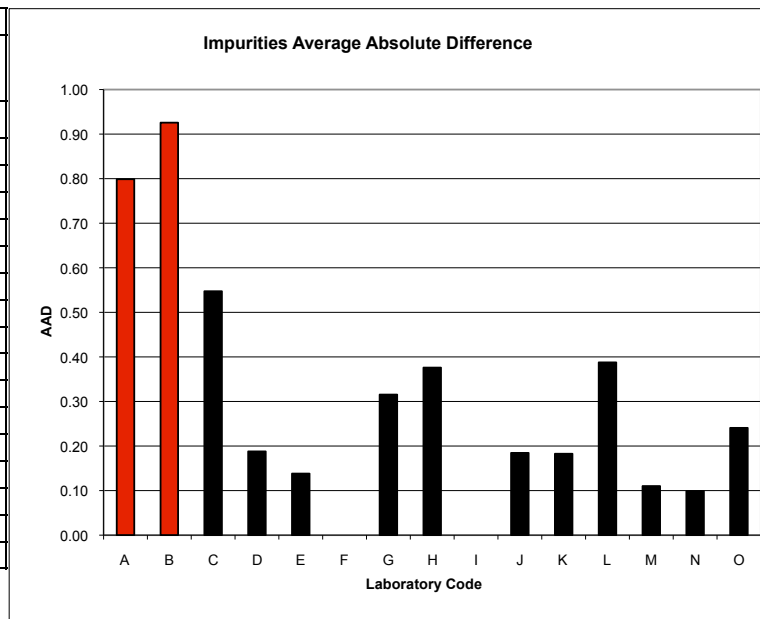
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Test Weight kg/hl								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	70.20	0.51	66.60	0.11	68.20	-0.49	0.04	0.37
B	70.50	0.81	67.25	0.76	69.75	1.06	0.88	0.88
C	70.35	0.66	70.00	3.50	69.65	0.96	1.71	1.71
D	66.22	-3.47	61.87	-4.63	61.55	-7.14	-5.08	5.08
E	69.70	0.01	65.90	-0.59	67.90	-0.79	-0.46	0.46
F								
G								
H	70.60	0.91	66.60	0.11	69.05	0.36	0.46	0.46
I								
J	69.90	0.21	66.74	0.24	67.88	-0.81	-0.12	0.42
K	69.00	-0.69	66.00	-0.49	68.00	-0.69	-0.62	0.62
L								
M	68.45	-1.24	65.05	-1.44	67.40	-1.29	-1.32	1.32
N	67.95	-1.74	66.50	0.01	69.42	0.73	-0.33	0.82
O	70.23	0.54	67.79	1.30	69.63	0.94	0.93	0.93
Q								
MEAN	69.69		66.49		68.69			1.19
STDEV	0.92		0.79		0.90			



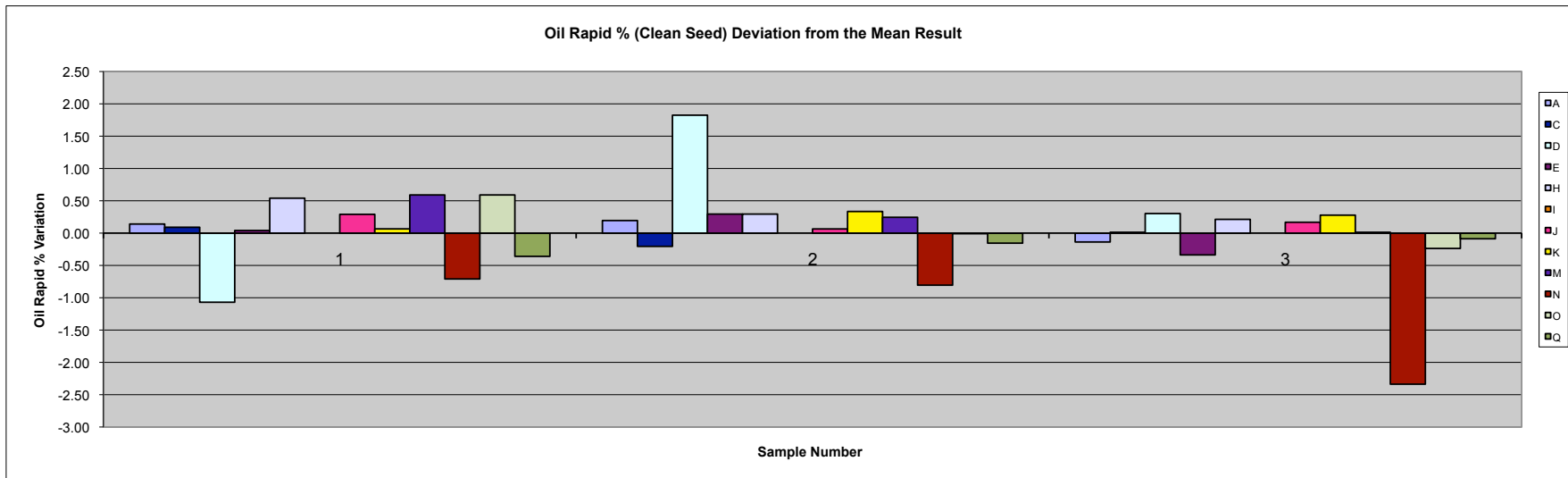
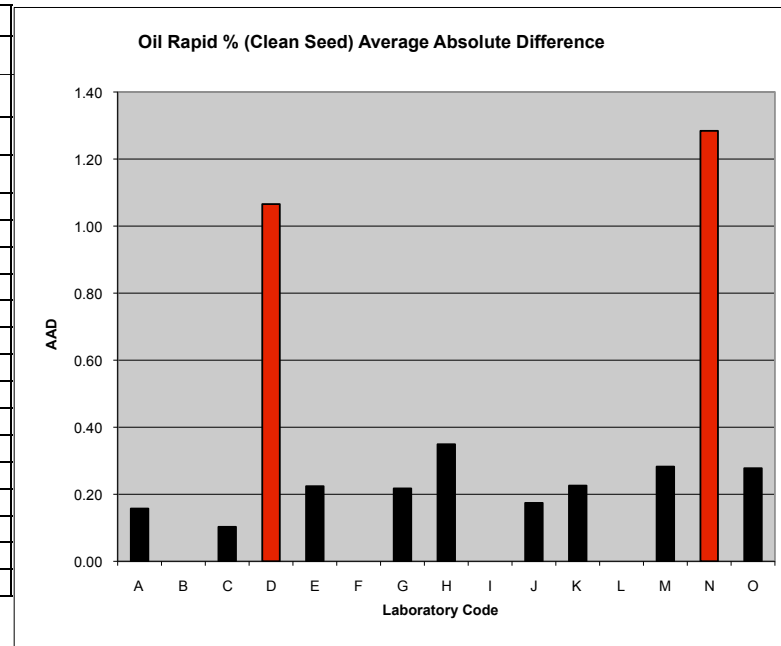
**2014 AOF Test Check Program
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Impurities %								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	1.00	-0.46	2.90	1.82	1.30	-0.11	0.42	0.80
B	3.26	1.80	1.36	0.28	2.11	0.69	0.93	0.93
C	2.10	0.64	1.40	0.32	2.10	0.69	0.55	0.55
D	1.92	0.46	1.03	-0.05	1.47	0.06	0.15	0.19
E	1.30	-0.16	0.99	-0.09	1.58	0.17	-0.03	0.14
F								
G	1.40	-0.06	1.30	0.22	0.75	-0.66	-0.17	0.32
H	0.79	-0.67	0.99	-0.09	1.05	-0.37	-0.38	0.38
I								
J	1.86	0.40	1.05	-0.03	1.54	0.13	0.17	0.18
K	1.20	-0.26	1.05	-0.03	1.15	-0.26	-0.18	0.18
L	0.91	-0.55	0.74	-0.34	1.14	-0.27	-0.39	0.39
M	1.75	0.29	1.10	0.02	1.40	-0.01	0.10	0.11
N	1.56	0.10	1.08	0.00	1.61	0.19	0.10	0.10
O	1.73	0.27	0.84	-0.24	1.20	-0.21	-0.06	0.24
Q								
MEAN	1.46		1.08		1.41			0.35
STDEV	0.43		0.20		0.39			



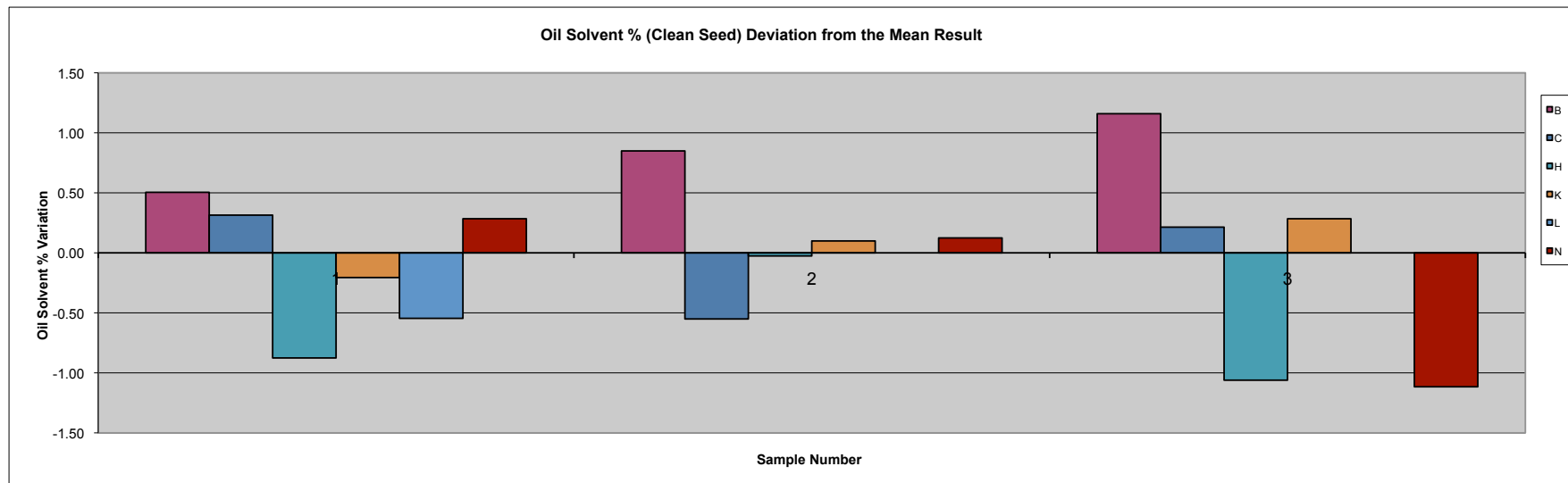
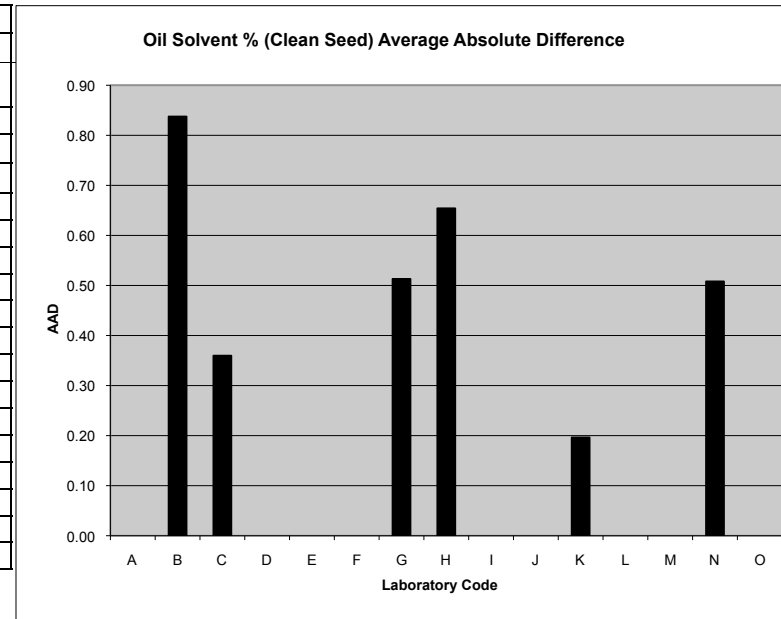
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Oil Rapid % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	37.90	0.14	45.25	0.19	39.15	-0.14	0.07	0.16
B								
C	37.85	0.09	44.85	-0.21	39.30	0.01	-0.03	0.10
D	36.69	-1.07	46.88	1.82	39.59	0.30	0.35	1.07
E	37.80	0.04	45.35	0.29	38.95	-0.34	0.00	0.22
F								
G	37.55	-0.21	44.80	-0.26	39.10	-0.19	-0.22	0.22
H	38.30	0.54	45.35	0.29	39.50	0.21	0.35	0.35
I								
J	38.05	0.29	45.12	0.06	39.46	0.17	0.17	0.17
K	37.83	0.07	45.39	0.33	39.57	0.28	0.23	0.23
L								
M	38.35	0.59	45.30	0.24	39.30	0.01	0.28	0.28
N	37.05	-0.71	44.25	-0.81	36.95	-2.34	-1.28	1.28
O	38.35	0.59	45.05	-0.01	39.05	-0.24	0.12	0.28
Q	37.40	-0.36	44.90	-0.16	39.20	-0.09	-0.20	0.20
MEAN	37.76		45.06		39.29			0.38
STDEV	0.52		0.34		0.22			



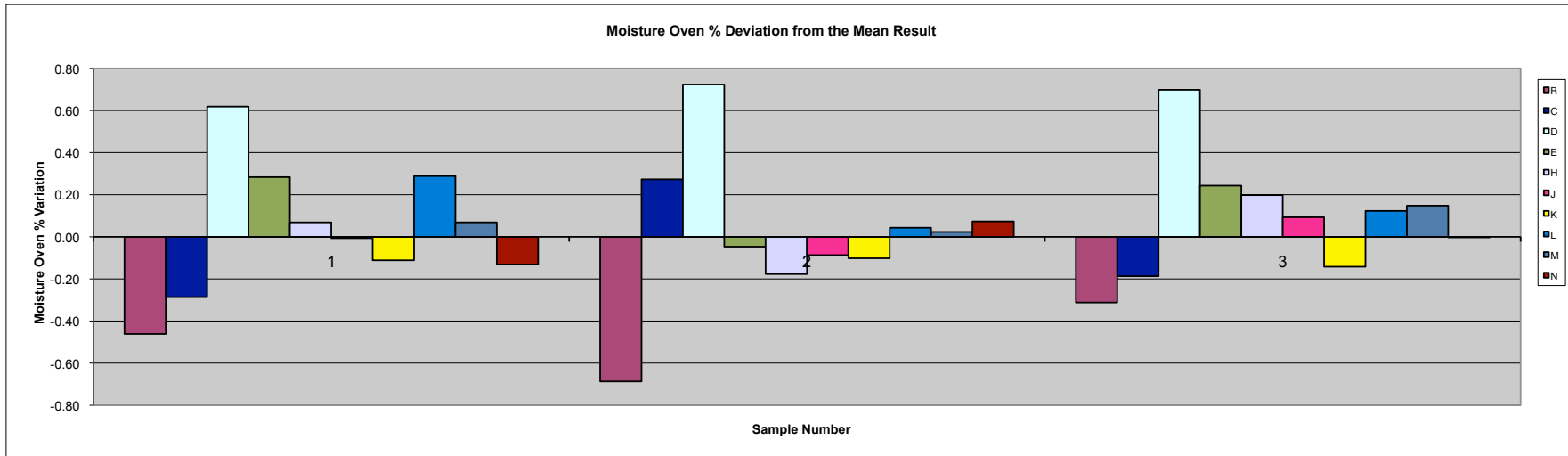
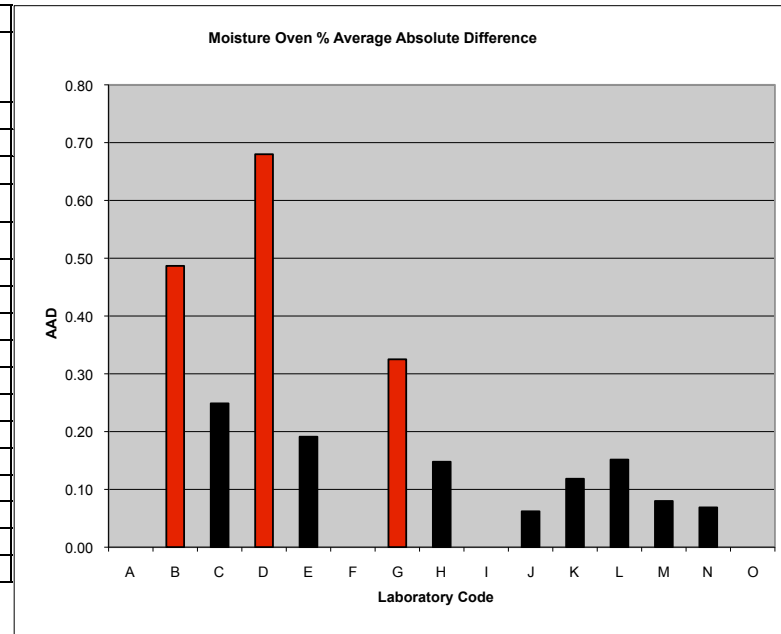
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Oil Solvent % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	37.53	0.50	45.83	0.85	39.67	1.16	0.84	0.84
C	37.34	0.31	44.43	-0.55	38.73	0.21	-0.01	0.36
D								
E								
F								
G	37.55	0.52	44.48	-0.50	39.03	0.52	0.18	0.51
H	36.15	-0.88	44.95	-0.03	37.45	-1.06	-0.65	0.65
I								
J								
K	36.82	-0.21	45.08	0.10	38.80	0.28	0.06	0.20
L	36.48	-0.55						
M								
N	37.31	0.28	45.10	0.12	37.40	-1.12	-0.24	0.51
O								
Q								
MEAN	37.03		44.98		38.51			0.51
STDEV	0.55		0.51		0.91			



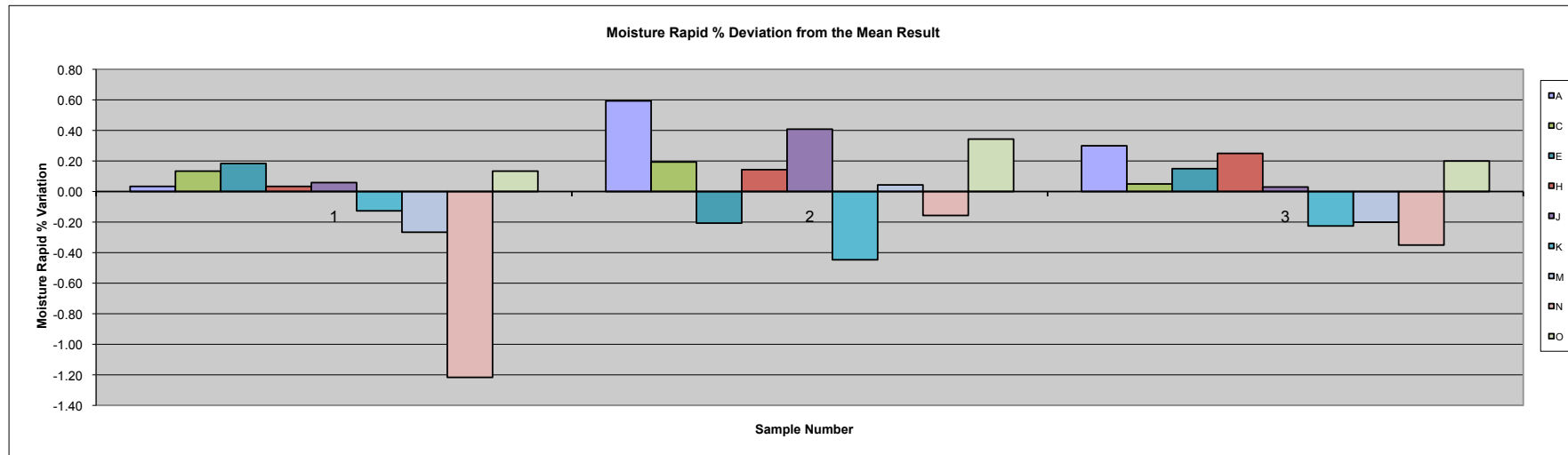
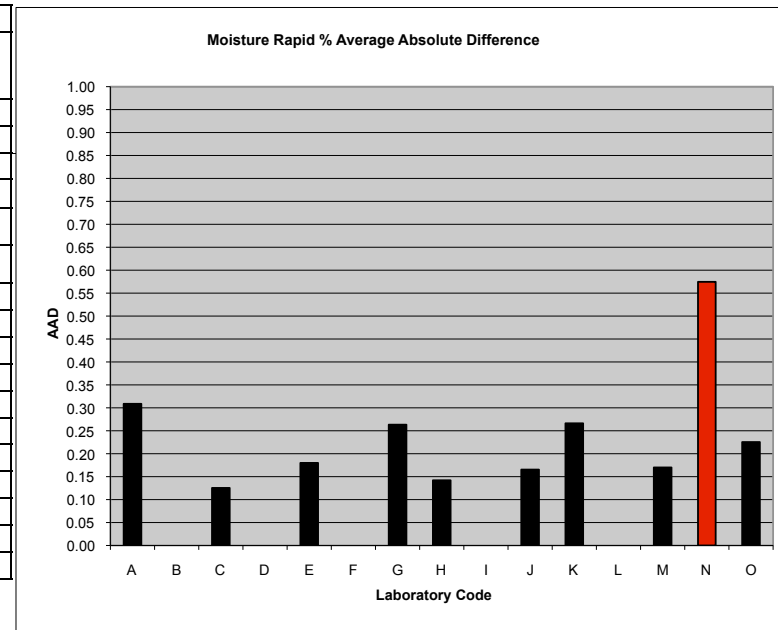
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Moisture Oven % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	7.87	-0.46	4.49	-0.69	7.24	-0.31	-0.49	0.49
C	8.05	-0.29	5.45	0.27	7.37	-0.19	-0.07	0.25
D	8.95	0.62	5.90	0.72	8.25	0.70	0.68	0.68
E	8.62	0.28	5.13	-0.05	7.80	0.24	0.16	0.19
F								
G	8.00	-0.33	4.70	-0.48	7.39	-0.16	-0.33	0.33
H	8.40	0.07	5.00	-0.18	7.75	0.20	0.03	0.15
I								
J	8.33	-0.01	5.09	-0.09	7.65	0.09	0.00	0.06
K	8.22	-0.11	5.08	-0.10	7.41	-0.14	-0.12	0.12
L	8.62	0.29	5.22	0.04	7.68	0.12	0.15	0.15
M	8.40	0.07	5.20	0.02	7.70	0.15	0.08	0.08
N	8.20	-0.13	5.25	0.07	7.55	0.00	-0.02	0.07
O								
Q								
MEAN	8.33		5.18		7.55			0.23
STDEV	0.31		0.14		0.19			



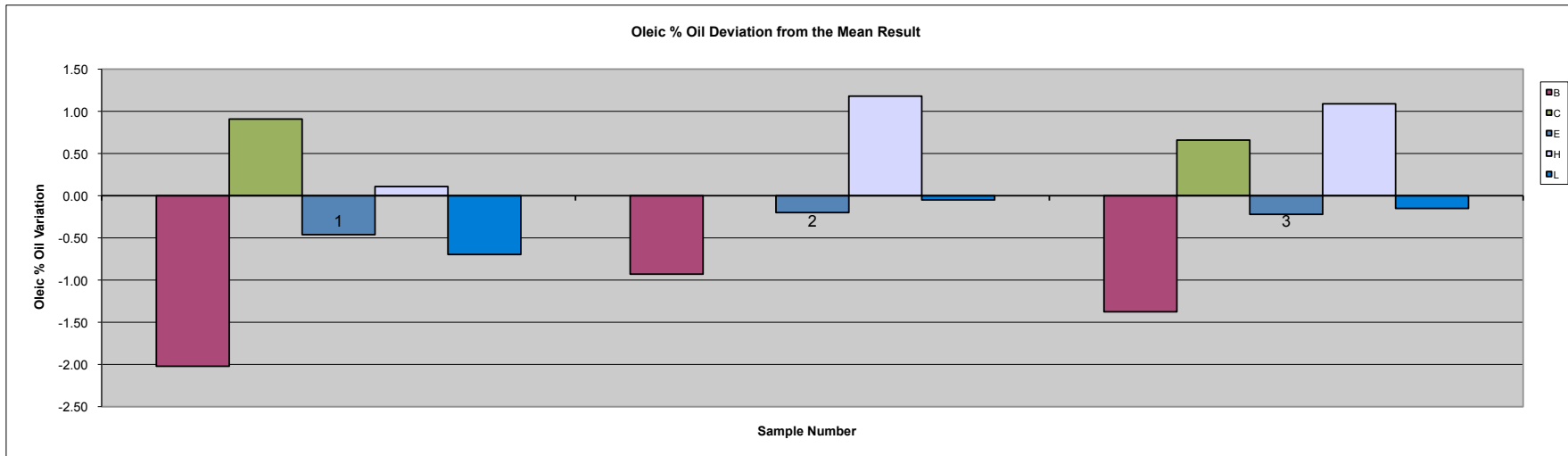
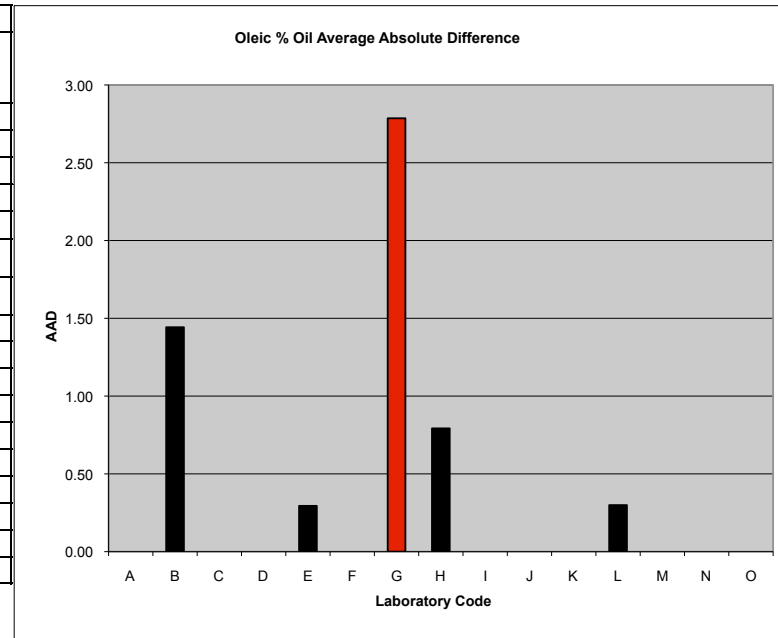
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Moisture Rapid % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	8.40	0.03	6.10	0.59	8.25	0.30	0.31	0.31
B								
C	8.50	0.13	5.70	0.19	8.00	0.05	0.13	0.13
D								
E	8.55	0.18	5.30	-0.21	8.10	0.15	0.04	0.18
F								
G	8.40	0.03	4.90	-0.61	8.10	0.15	-0.14	0.26
H	8.40	0.03	5.65	0.14	8.20	0.25	0.14	0.14
I								
J	8.43	0.06	5.92	0.41	7.98	0.03	0.17	0.17
K	8.24	-0.13	5.06	-0.45	7.73	-0.23	-0.27	0.27
L								
M	8.10	-0.27	5.55	0.04	7.75	-0.20	-0.14	0.17
N	7.15	-1.22	5.35	-0.16	7.60	-0.35	-0.57	0.57
O	8.50	0.13	5.85	0.34	8.15	0.20	0.23	0.23
Q	8.15	-0.22	5.20	-0.31	7.60	-0.35	-0.29	0.29
MEAN	8.37		5.51		7.95			0.25
STDEV	0.15		0.38		0.24			



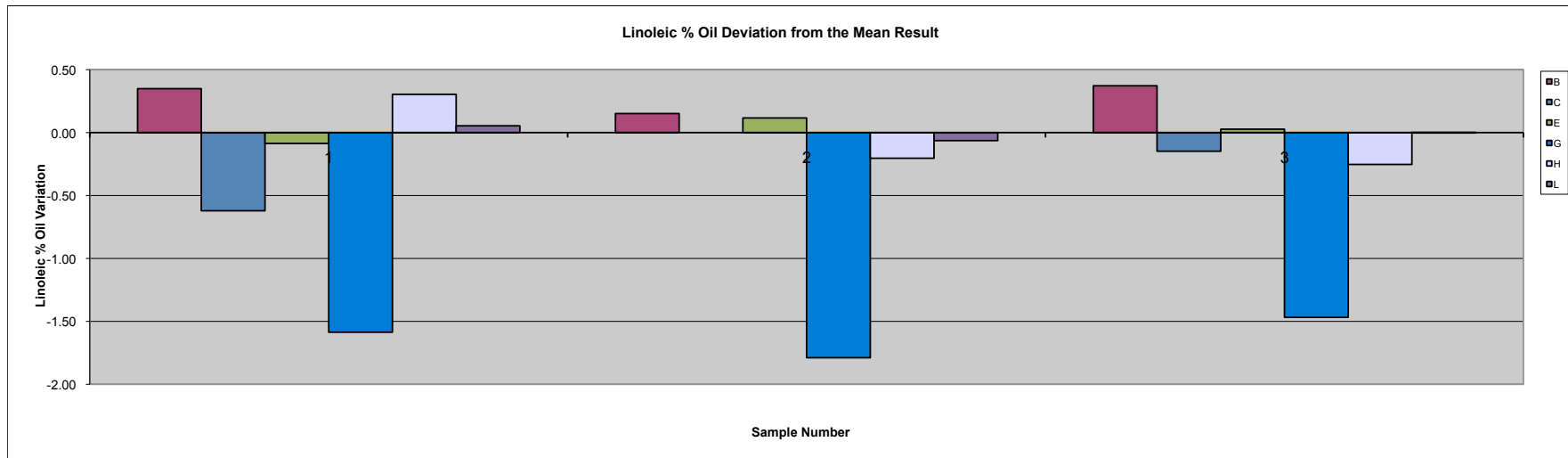
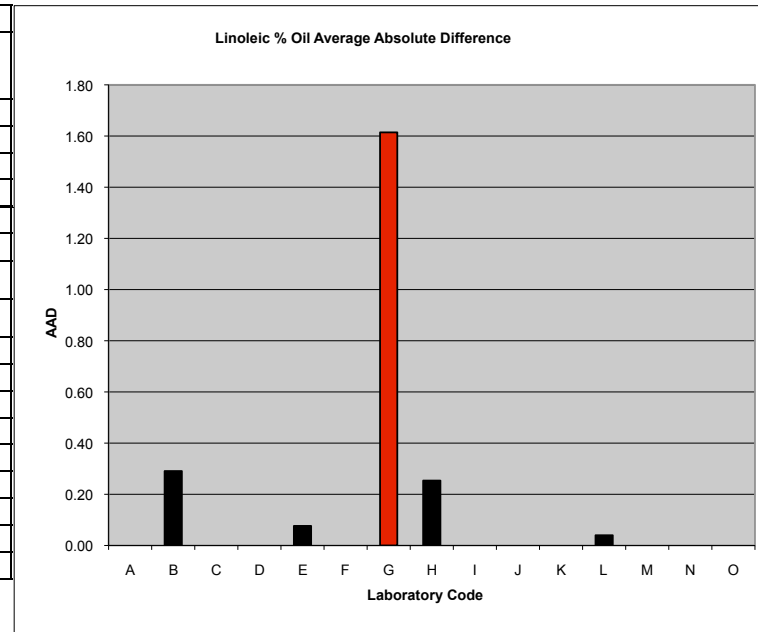
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Oleic % Oil Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	64.72	-2.02	69.24	-0.93	67.04	-1.38	-1.44	1.44
C	67.65	0.91			69.07	0.66		
D								
E	66.28	-0.46	69.97	-0.20	68.19	-0.22	-0.29	0.29
F								
G	68.91	2.16	73.56	3.39	71.22	2.80	2.79	2.79
H	66.85	0.11	71.35	1.18	69.50	1.09	0.79	0.79
I								
J								
K								
L	66.05	-0.70	70.12	-0.05	68.26	-0.15	-0.30	0.30
M								
N								
O								
Q								
MEAN	66.74		70.17		68.41			1.12
STDEV	1.44		0.88		0.95			



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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	15.80	0.35	13.21	0.15	14.83	0.37	0.29	0.29
C	14.83	-0.62			14.31	-0.15		
D								
E	15.36	-0.09	13.17	0.12	14.48	0.03	0.02	0.08
F								
G	13.86	-1.59	11.27	-1.79	12.99	-1.47	-1.61	1.61
H	15.75	0.30	12.85	-0.20	14.20	-0.25	-0.05	0.25
I								
J								
K								
L	15.50	0.05	12.99	-0.06	14.46	0.00	0.00	0.04
M								
N								
O								
Q								
MEAN	15.45		13.05		14.45			0.45
STDEV	0.39		0.17		0.24			



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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	-0.16	0.08	-0.11	0.21	-0.06	-0.11	0.11
C	0.16	-0.14	0.27	0.09	0.28	0.01	-0.02	0.08
D								
E	0.63	0.33	0.34	0.16	0.64	0.37	0.29	0.29
F								
G	0.35	0.04	0.19	0.01	0.33	0.05	0.04	0.04
H	0.20	-0.10	0.08	-0.10	0.20	-0.07	-0.09	0.09
I								
J								
K	0.21	-0.09	0.11	-0.08	0.24	-0.04	-0.07	0.07
L	0.42	0.12	0.21	0.03	0.39	0.12	0.09	0.09
M								
N								
O								
Q								
MEAN	0.30		0.18		0.27			0.11
STDEV	0.18		0.10		0.07			

