



2013 AOF Test Check Program
Monthly Report
Round 9
September 2013
01/09/2013 – 01/10/2013

Result Reveal Dates

Lab Code	Date
A	17/09/2013
B	30/09/2013
C	03/10/2013
D	23/09/2013
E	17/09/2013
F	-
G	01/10/2013
H	01/10/2013
I	11/09/2013
J	01/10/2013
K	18/09/2013
L	23/09/2013
M	01/10/2013
N	23/09/2013
O	17/09/2013

Discussion of Results

Test Weight

Sample 1 – Outliers were identified for Lab **B** and **H** with results of 0.81 and 0.06 of a percent discrepancy, respectively, from the upper quartile limit (66.45%).

Sample 2 – No outliers were observed.

Sample 3 – No outliers were observed.

Impurities

Sample 1 – No outliers were observed.

Sample 2 – No outliers were observed.

Sample 3 – Outliers were identified for Lab **E** and **H**. Lab E results were 0.32 of a percent discrepancy from the upper quartile limit (0.98%). Lab H results were 0.01 of a percent discrepancy from the lower quartile limit (0.21%).



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Oil Rapid

Sample 1 – Outliers were identified for Lab **D** and **N** with results of 1.34 and 0.09 of a percent discrepancy, respectively, from the upper quartile limit (45.81%).

Sample 2 – One outlier was identified for Lab **D** with a 0.54 of a percent discrepancy from the upper quartile limit (42.62%).

Sample 3 – One outlier was identified for Lab **D** with a 0.21 of a percent discrepancy from the upper quartile limit (39.79%).

Oil Solvent Extraction

Sample 1 – Outliers were identified for Lab **B** and **G**. Lab B results were 0.41 of a percent discrepancy from the upper quartile limit (45.94%). Lab G results were found at the lower quartile limit - 45.02%.

Sample 2 – No outliers were observed.

Sample 3 – No outliers were observed.

Moisture Oven

Sample 1 – One outlier was identified for Lab **E** with a 0.16 of a percent discrepancy from the upper quartile limit (6.02%).

Sample 2 – One outlier was identified for Lab **E** with a 0.21 of a percent discrepancy from the upper quartile limit (6.86%).

Sample 3 – One outlier was identified for Lab **E** with a 0.13 of a percent discrepancy from the upper quartile limit (7.13%).

Moisture Rapid

No Outliers were identified for this test method.

Oleic Oil

No Outliers were identified for this test method.



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Linoleic Oil

Sample 1 – One outlier was identified for Lab **G** with a 0.10 of a percent discrepancy from the lower quartile limit (20.32%).

Sample 2 – No outliers were observed.

Sample 3 – No outliers were observed.

Free Fatty Acid

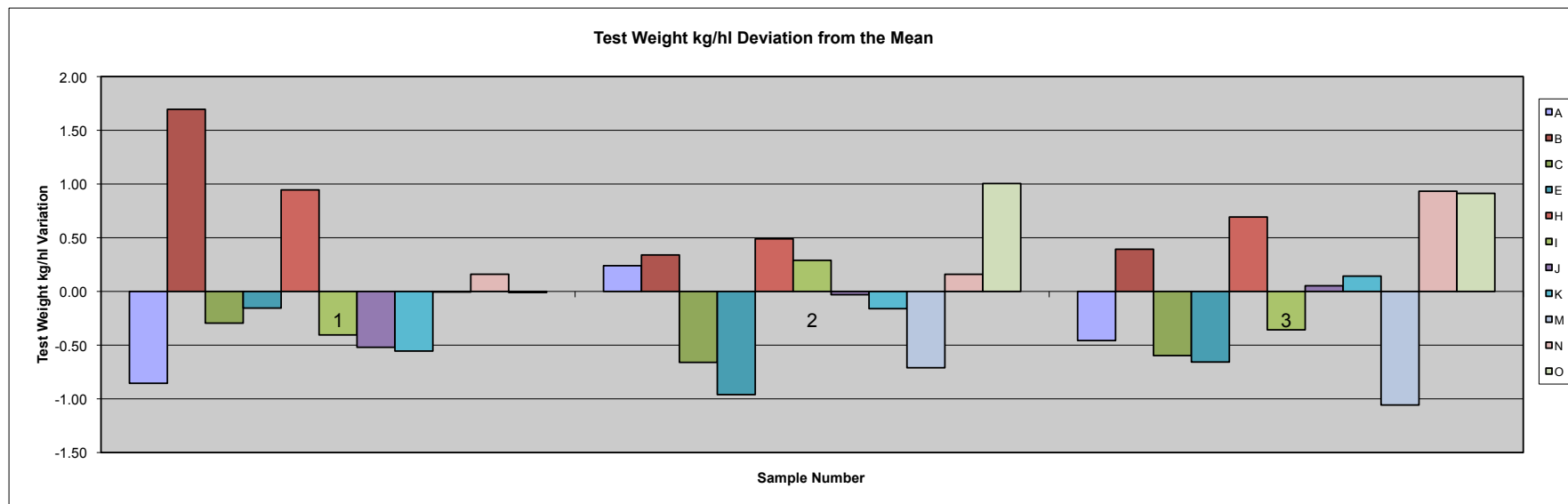
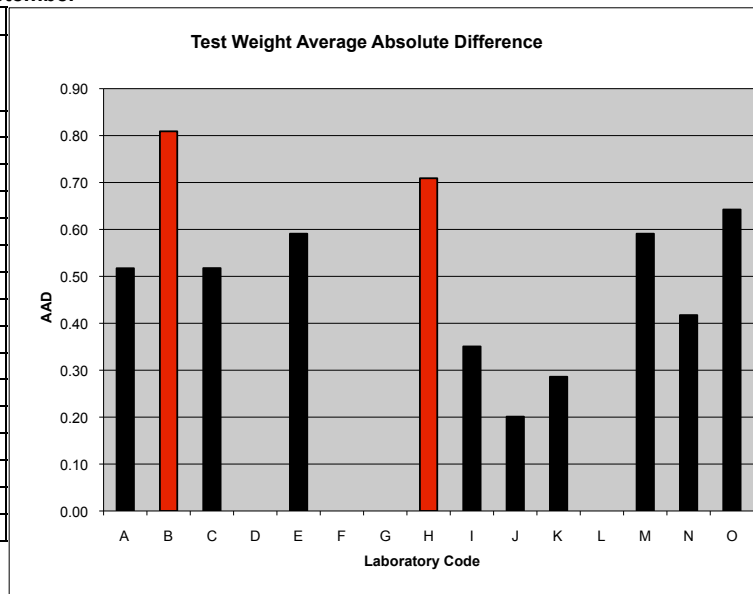
Sample 1 – One outlier was identified for Lab **E** with a 0.02 of a percent discrepancy from the upper quartile limit (0.43%).

Sample 2 – One outlier was identified for Lab **E** with a 1.04 of a percent discrepancy from the upper quartile limit (0.67%).

Sample 3 – One outlier was identified for Lab **E** with a 0.16 of a percent discrepancy from the upper quartile limit (1.00%).

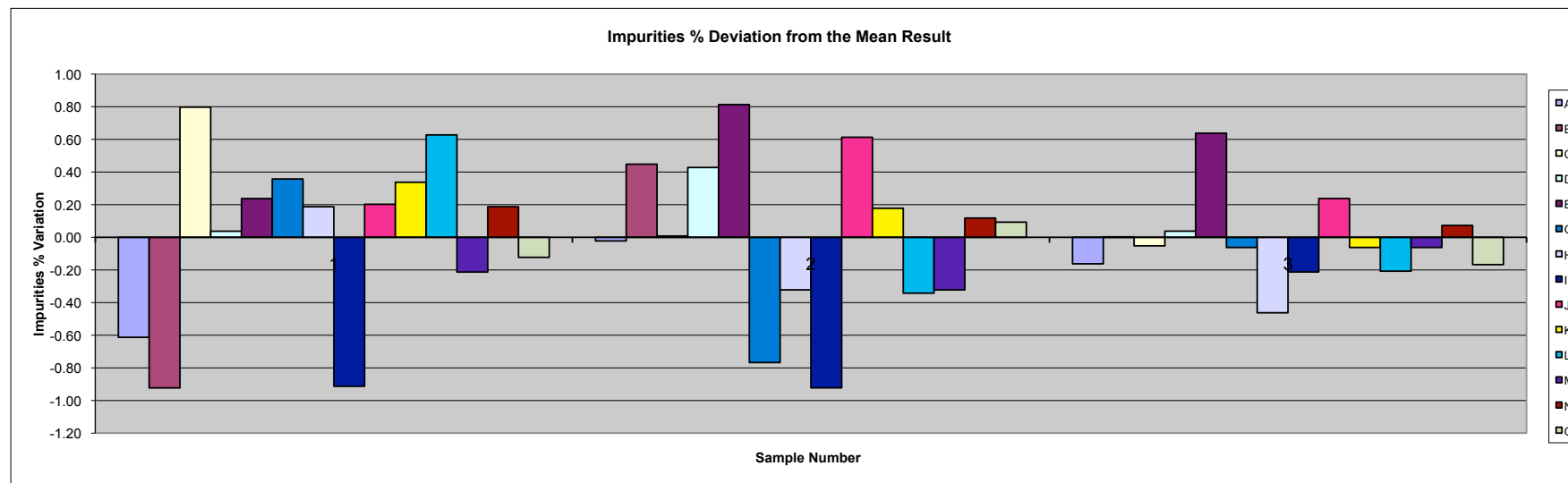
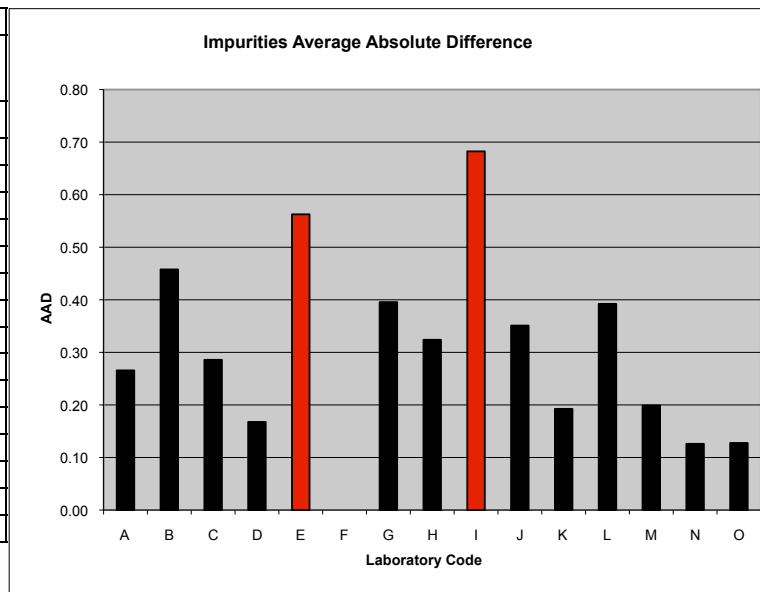
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Test Weight kg/hl								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	64.70	-0.86	67.40	0.24	68.40	-0.46	-0.36	0.52
B	67.25	1.69	67.50	0.34	69.25	0.39	0.81	0.81
C	65.26	-0.30	66.50	-0.66	68.26	-0.60	-0.52	0.52
D								
E	65.40	-0.16	66.20	-0.96	68.20	-0.66	-0.59	0.59
F								
G								
H	66.50	0.94	67.65	0.49	69.55	0.69	0.71	0.71
I	65.15	-0.41	67.45	0.29	68.50	-0.36	-0.16	0.35
J	65.04	-0.52	67.13	-0.03	68.91	0.05	-0.17	0.20
K	65.00	-0.56	67.00	-0.16	69.00	0.14	-0.19	0.29
L								
M	65.55	0.00	66.45	-0.71	67.80	-1.06	-0.59	0.59
N	65.72	0.16	67.32	0.16	69.79	0.93	0.42	0.42
O	65.55	-0.01	68.17	1.00	69.77	0.91	0.64	0.64
MEAN	65.56		67.16		68.86			0.50
STDEV	0.73		0.58		0.68			



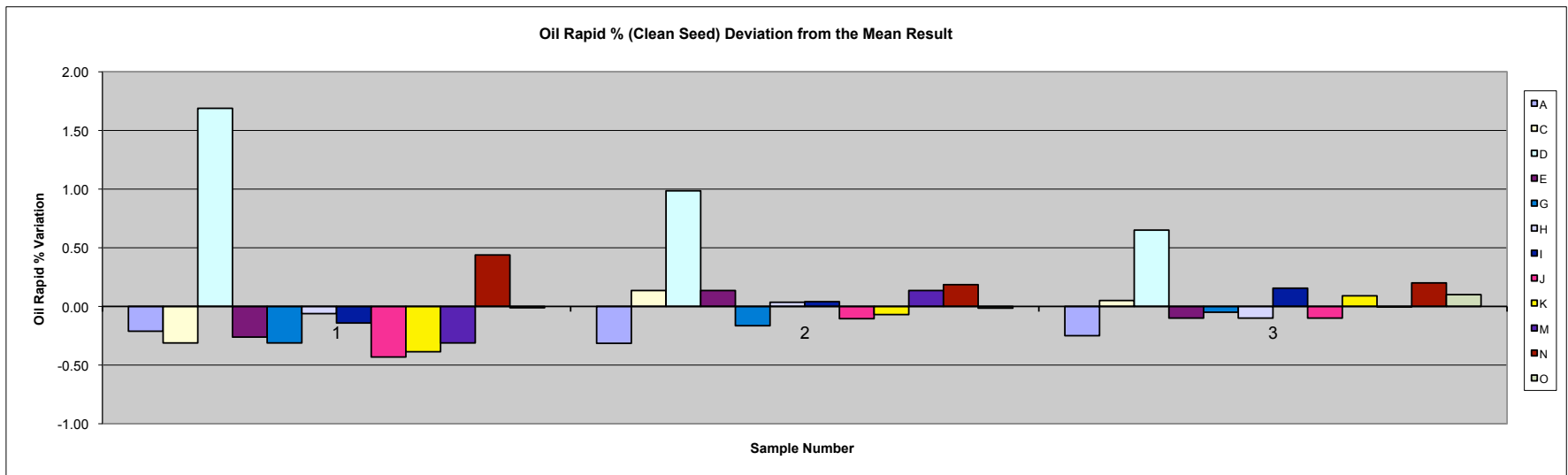
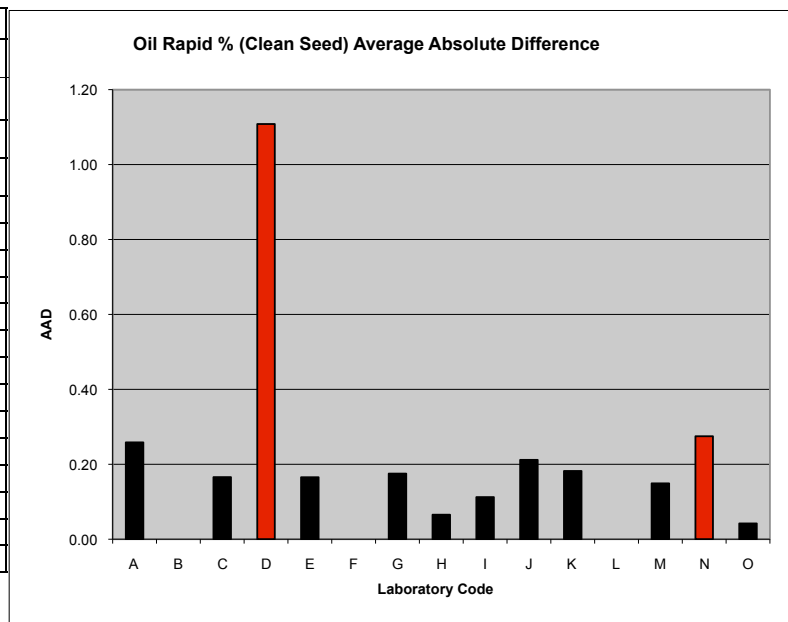
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Impurities %								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	1.90	-0.61	1.90	-0.02	0.50	-0.16	-0.27	0.27
B	1.59	-0.92	2.37	0.45	0.67	0.00	-0.16	0.46
C	3.31	0.80	1.93	0.01	0.61	-0.05	0.25	0.29
D	2.55	0.04	2.35	0.43	0.70	0.04	0.17	0.17
E	2.75	0.24	2.74	0.81	1.30	0.64	0.56	0.56
F								
G	2.87	0.36	1.16	-0.77	0.60	-0.06	-0.16	0.40
H	2.70	0.19	1.60	-0.32	0.20	-0.46	-0.20	0.32
I	1.60	-0.91	1.00	-0.92	0.45	-0.21	-0.68	0.68
J	2.72	0.20	2.54	0.61	0.90	0.24	0.35	0.35
K	2.85	0.34	2.10	0.18	0.60	-0.06	0.15	0.19
L	3.14	0.63	1.58	-0.34	0.46	-0.21	0.03	0.39
M	2.30	-0.21	1.60	-0.32	0.60	-0.06	-0.20	0.20
N	2.70	0.19	2.04	0.12	0.74	0.07	0.13	0.13
O	2.39	-0.12	2.02	0.09	0.50	-0.17	-0.07	0.13
MEAN	2.51		1.92		0.66			0.34
STDEV	0.54		0.50		0.23			



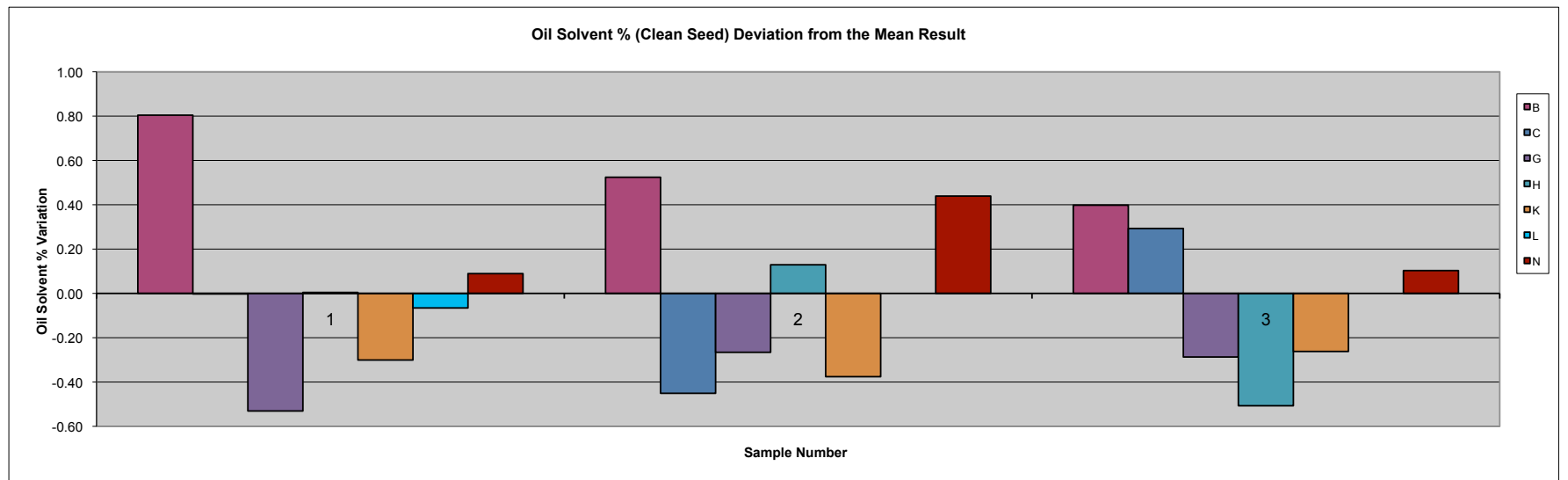
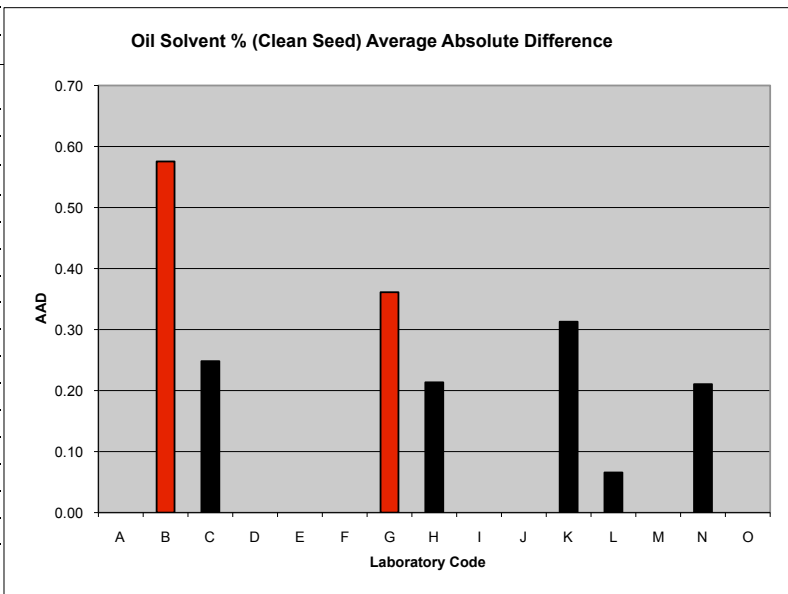
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Oil Rapid % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	45.25	-0.21	41.85	-0.31	39.10	-0.25	-0.26	0.26
B								
C	45.15	-0.31	42.30	0.14	39.40	0.05	-0.04	0.17
D	47.15	1.69	43.15	0.99	40.00	0.65	1.11	1.11
E	45.20	-0.26	42.30	0.14	39.25	-0.10	-0.08	0.17
F								
G	45.15	-0.31	42.00	-0.16	39.30	-0.05	-0.18	0.18
H	45.40	-0.06	42.20	0.04	39.25	-0.10	-0.04	0.07
I	45.32	-0.14	42.21	0.04	39.51	0.16	0.02	0.11
J	45.03	-0.43	42.06	-0.10	39.25	-0.10	-0.21	0.21
K	45.08	-0.39	42.10	-0.07	39.44	0.09	-0.12	0.18
L								
M	45.15	-0.31	42.30	0.14	39.35	0.00	-0.06	0.15
N	45.90	0.44	42.35	0.19	39.55	0.20	0.27	0.27
O	45.45	-0.01	42.15	-0.01	39.45	0.10	0.02	0.04
MEAN	45.46		42.16		39.35			0.26
STDEV	0.61		0.15		0.13			



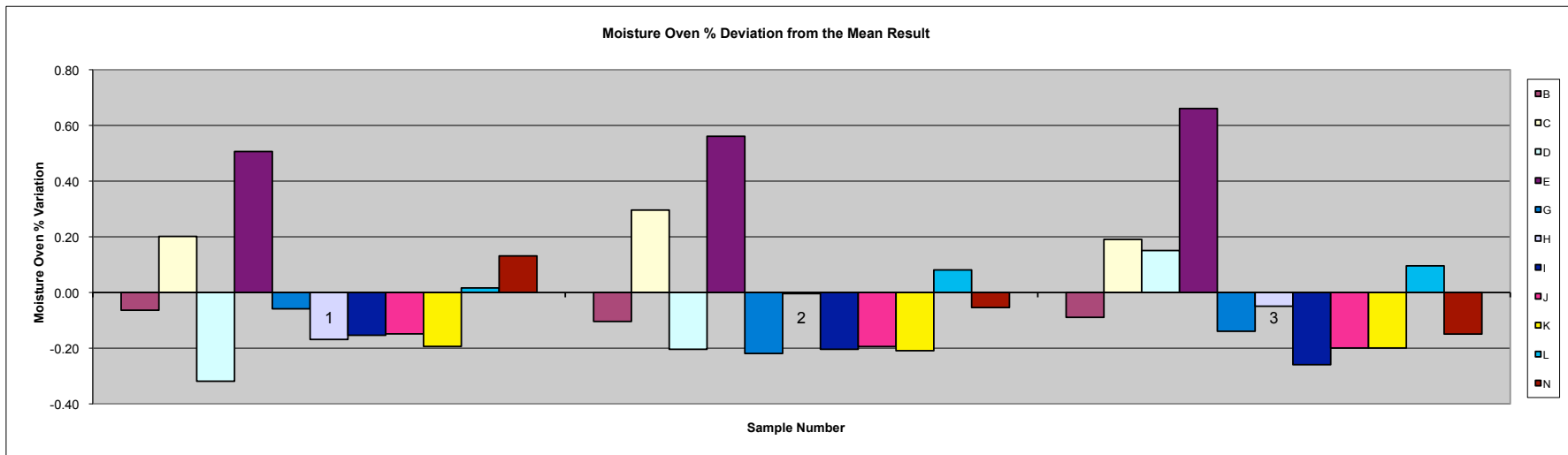
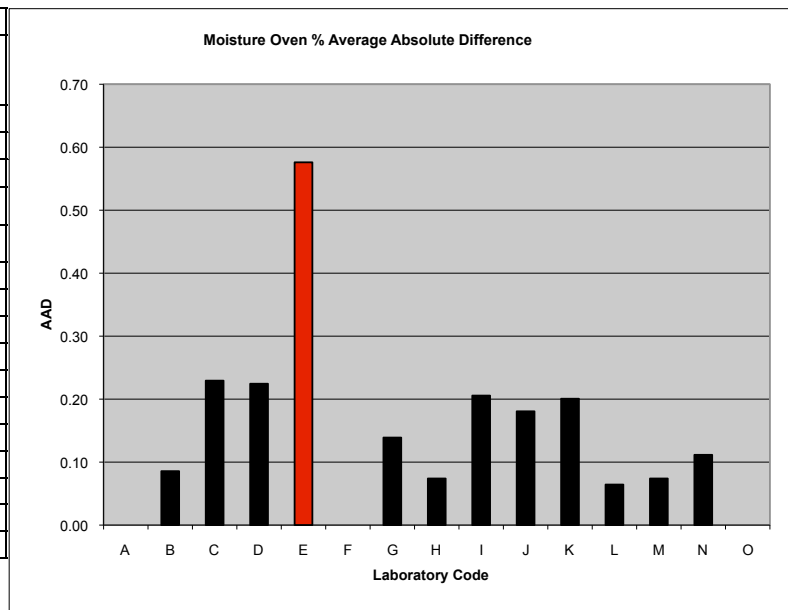
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Oil Solvent % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	46.35	0.80	42.65	0.52	39.26	0.40	0.58	0.58
C	45.55	0.00	41.67	-0.45	39.15	0.29	-0.05	0.25
D								
E								
F								
G	45.02	-0.53	41.86	-0.27	38.57	-0.29	-0.36	0.36
H	45.55	0.00	42.25	0.13	38.35	-0.51	-0.12	0.21
I								
J								
K	45.25	-0.30	41.75	-0.38	38.60	-0.26	-0.31	0.31
L	45.48	-0.07					-0.07	0.07
M								
N	45.64	0.09	42.56	0.44	38.96	0.10	0.21	0.21
O								
MEAN	45.55		42.12		38.86			0.28
STDEV	0.41		0.42		0.39			



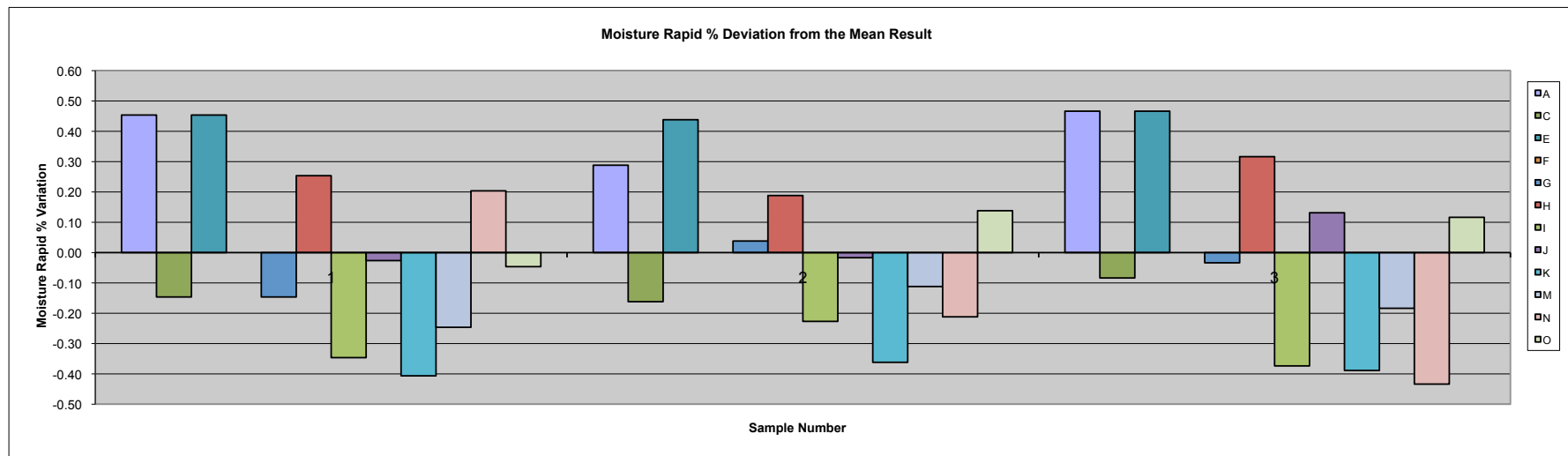
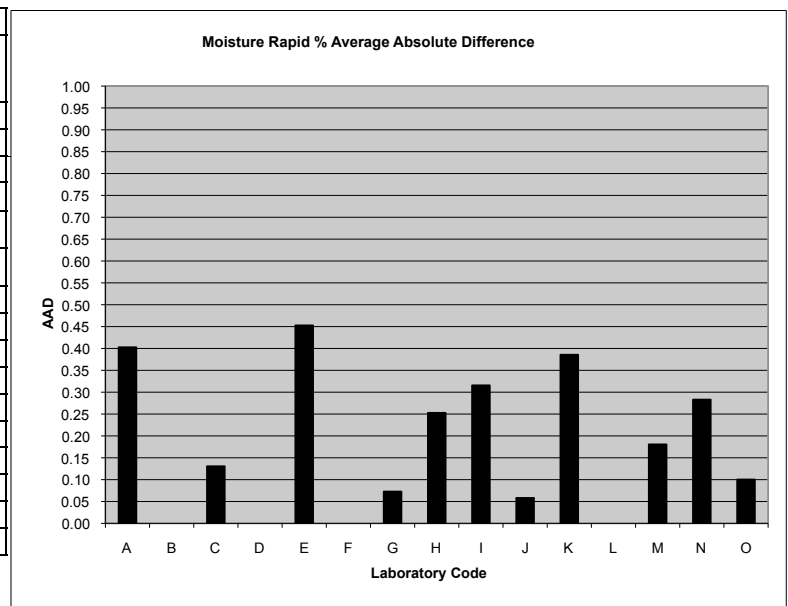
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Moisture Oven % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	5.61	-0.06	6.40	-0.10	6.51	-0.09	-0.09	0.09
C	5.87	0.20	6.80	0.30	6.79	0.19	0.23	0.23
D	5.35	-0.32	6.30	-0.20	6.75	0.15	-0.12	0.22
E	6.18	0.51	7.07	0.56	7.26	0.66	0.58	0.58
F								
G	5.61	-0.06	6.29	-0.22	6.46	-0.14	-0.14	0.14
H	5.50	-0.17	6.50	0.00	6.55	-0.05	-0.07	0.07
I	5.52	-0.15	6.30	-0.20	6.34	-0.26	-0.21	0.21
J	5.52	-0.15	6.31	-0.19	6.40	-0.20	-0.18	0.18
K	5.48	-0.19	6.30	-0.21	6.40	-0.20	-0.20	0.20
L	5.69	0.02	6.59	0.08	6.70	0.10	0.06	0.06
M	5.60	-0.07	6.45	-0.05	6.50	-0.10	-0.07	0.07
N	5.80	0.13	6.45	-0.05	6.45	-0.15	-0.02	0.11
O								
MEAN	5.67		6.50		6.60			0.18
STDEV	0.21		0.26		0.31			



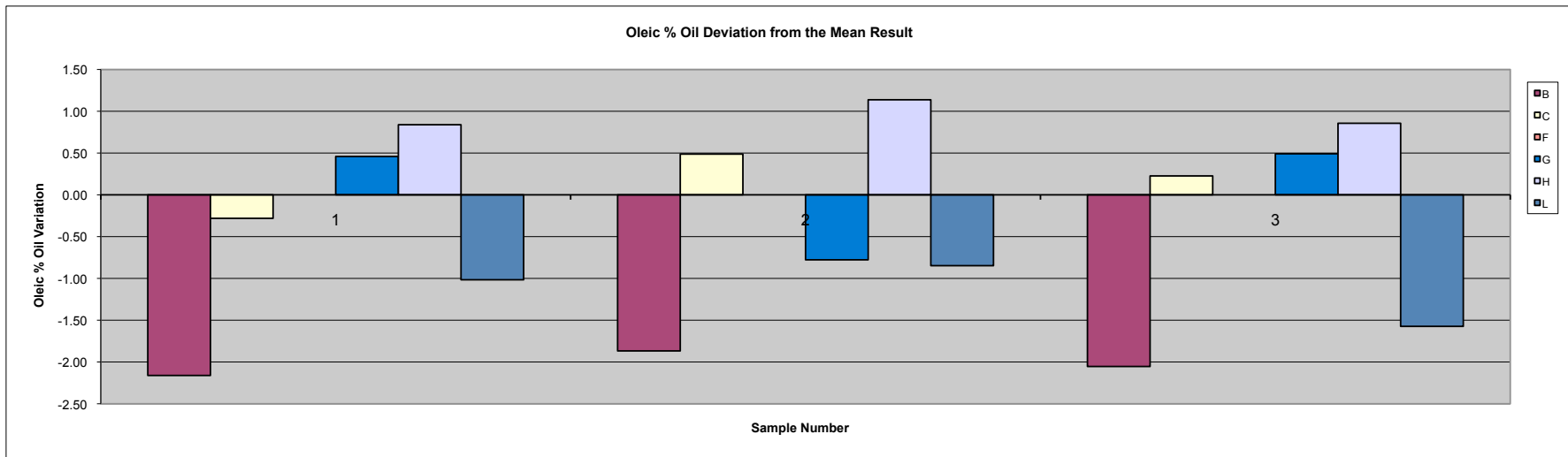
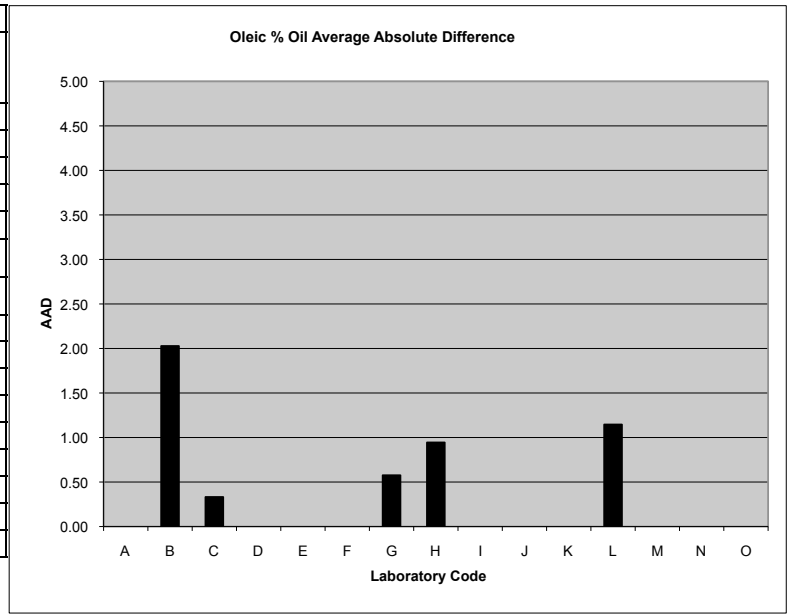
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Moisture Rapid % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	6.20	0.45	6.85	0.29	7.35	0.47	0.40	0.40
B								
C	5.60	-0.15	6.40	-0.16	6.80	-0.08	-0.13	0.13
D								
E	6.20	0.45	7.00	0.44	7.35	0.47	0.45	0.45
F								
G	5.60	-0.15	6.60	0.04	6.85	-0.03	-0.05	0.07
H	6.00	0.25	6.75	0.19	7.20	0.32	0.25	0.25
I	5.40	-0.35	6.34	-0.23	6.51	-0.37	-0.32	0.32
J	5.72	-0.03	6.55	-0.02	7.02	0.13	0.03	0.06
K	5.34	-0.41	6.20	-0.36	6.50	-0.39	-0.39	0.39
L								
M	5.50	-0.25	6.45	-0.11	6.70	-0.18	-0.18	0.18
N	5.95	0.20	6.35	-0.21	6.45	-0.43	-0.15	0.28
O	5.70	-0.05	6.70	0.14	7.00	0.12	0.07	0.10
MEAN	5.75		6.56		6.88			0.25
STDEV	0.30		0.24		0.33			



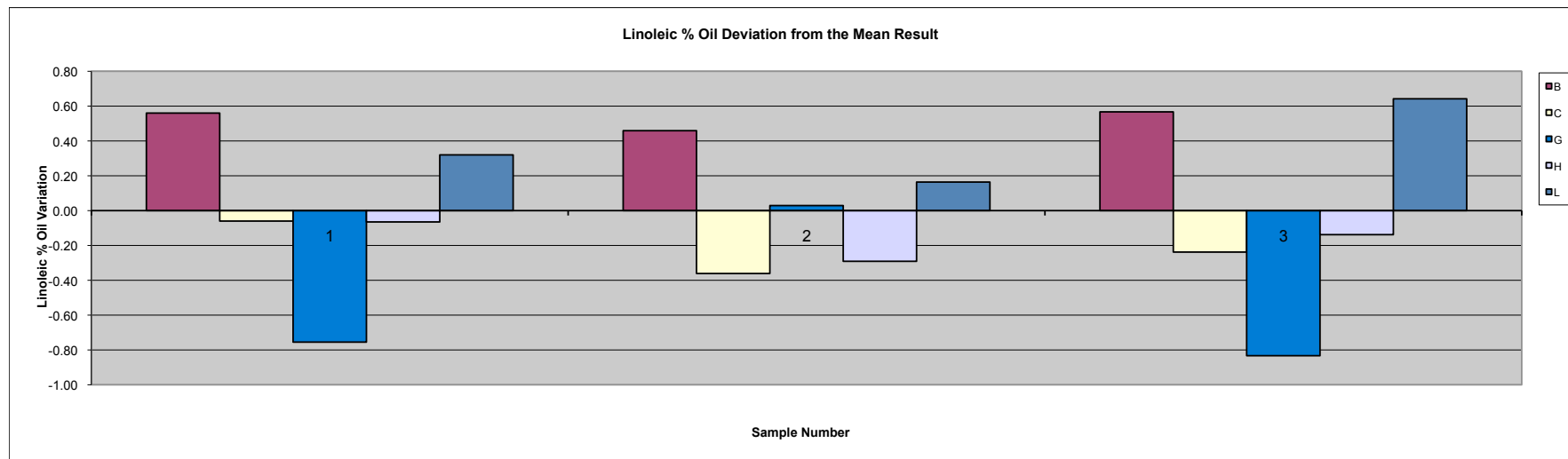
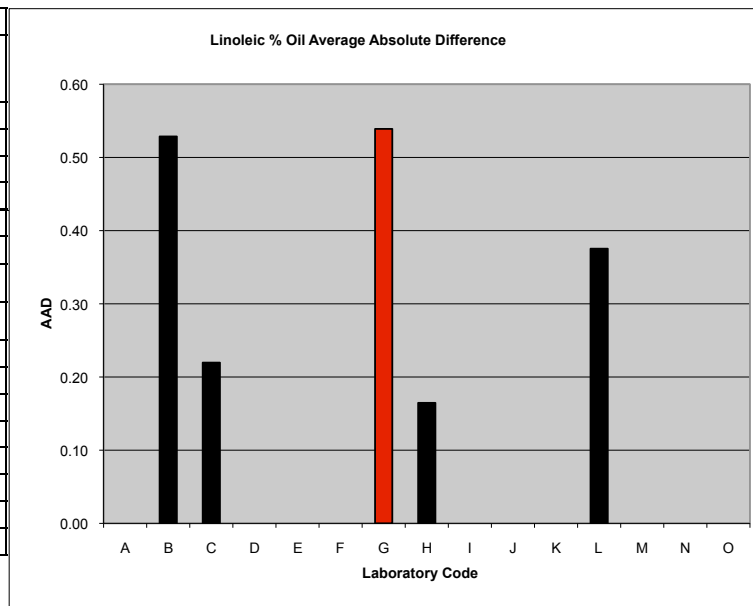
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Oleic % Oil Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	59.85	-2.16	65.00	-1.87	61.84	-2.05	-2.03	2.03
C	61.73	-0.28	67.35	0.49	64.12	0.23	0.14	0.33
D								
E								
F								
G	62.47	0.46	66.09	-0.78	64.39	0.49	0.06	0.58
H	62.85	0.84	68.00	1.14	64.75	0.86	0.94	0.94
I								
J								
K								
L	61.00	-1.02	66.02	-0.85	62.32	-1.57	-1.15	1.15
M								
N								
O								
MEAN	62.01		66.86		63.89			1.01
STDEV	0.82		0.98		1.08			



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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	21.53	0.56	16.70	0.46	19.31	0.57	0.53	0.53
C	20.91	-0.06	15.88	-0.36	18.50	-0.24	-0.22	0.22
D								
E								
F								
G	20.21	-0.75	16.27	0.03	17.91	-0.83	-0.52	0.54
H	20.90	-0.06	15.95	-0.29	18.60	-0.14	-0.16	0.16
I								
J								
K								
L	21.29	0.32	16.41	0.16	19.38	0.64	0.38	0.38
M								
N								
O								
MEAN	20.97		16.24		18.74			0.37
STDEV	0.50		0.34		0.61			



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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	0.10	-0.10	0.25	-0.04	0.49	-0.09	-0.08	0.08
C	0.18	-0.02	0.21	-0.08	0.33	-0.25	-0.12	0.12
D								
E	0.45	0.26	1.71	1.42	1.16	0.58	0.75	0.75
F								
G	0.24	0.05	0.46	0.17	0.69	0.11	0.11	0.11
H	0.08	-0.11	0.17	-0.12	0.37	-0.21	-0.15	0.15
I								
J								
K	0.08	-0.11	0.30	0.01	0.45	-0.14	-0.08	0.09
L	0.21	0.02	0.35	0.06	0.60	0.01	0.03	0.03
M								
N								
O								
MEAN	0.19		0.29		0.58			0.19
STDEV	0.14		0.11		0.28			

