



2013 AOF Test Check Program
Monthly Report
Round 12
December – 2013
01/12/2013 – 01/01/2014

Result Receiving Dates

Lab Code	Date
A	18/12/2013
B	20/12/2013
C	-
D	19/12/2013
E	20/12/2013
F	-
G	13/12/2013
H	30/12/2013
I	19/12/2013
J	23/12/2013
K	24/12/2013
L	-
M	10/12/2013
N	31/12/2013
O	27/12/2013

Discussion of Results

Test Weight

Sample 1 – One outlier was identified for Lab **A** with 0.78 kg/hl discrepancy from the lower quartile limit (61.68kg/hl).

Sample 2 – One outlier was identified for Lab **A** with 0.26 kg/hl discrepancy from the lower quartile limit (64.06kg/hl).

Sample 3 – No outliers were observed.

Impurities

Sample 1 – One outlier was identified for Lab **B** with a 0.08 of a percent discrepancy from the upper quartile limit (3.06%).

Sample 2 – One outlier was identified for Lab **I** with a 0.11 of a percent discrepancy from the lower quartile limit (0.56%).

Sample 3 – No outliers were observed.



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Oil Rapid

Sample 1 – Outliers were identified for Lab **D**, **H** and **O**. Lab D results were 1.77 of a percent discrepancy from the upper quartile limit (46.53%). Lab H and O results were 0.05 and 0.20 of a percent discrepancy, respectively, from the lower quartile limit (45.05%).

Sample 2 – Outliers were identified for Lab **D** and **I**. Lab D and I results were 1.18 and 3.46 of a percent discrepancy, respectively, from the upper quartile limit (43.25%).

Sample 3 – Outliers were identified for Lab **D** and **I**. Lab D results were 0.63 of a percent discrepancy from the upper quartile limit (48.36%). Lab I results were 2.95 of a percent discrepancy from the lower quartile limit (45.70%).

Oil Solvent Extraction

Sample 1 – One outlier was identified for Lab **G** with a 0.55 of a percent discrepancy from the lower quartile limit (45.34%).

Sample 2 – One outlier was identified for Lab **G** with a 0.65 of a percent discrepancy from the lower quartile limit (41.08%).

Sample 3 – Outliers were identified for Lab **B** and **G**. Lab B results were 0.05 of a percent discrepancy from the upper quartile limit (47.78%). Lab G results were 1.03 of a percent discrepancy from the lower quartile limit (46.50%).

Moisture Oven

Sample 1 – One outlier was identified for Lab **D** with a 0.13 of a percent discrepancy from the upper quartile limit (6.53%).

Sample 2 – Outliers were identified for Lab **D**, **I** and **K**. Lab D results were 0.85 of a percent discrepancy from the upper quartile limit (6.26%). Lab I and K results were 0.37 and 0.21 of a percent discrepancy, respectively, from the lower quartile limit (5.82%).

Sample 3 – One outlier was identified for Lab **D** with a 0.12 of a percent discrepancy from the upper quartile limit (5.94%).

Moisture Rapid

No Outliers were identified for this test method.



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Oleic Oil

Sample 1 – One outlier was identified for Lab **H** with a 1.30 of a percent discrepancy from the upper quartile limit (67.15%).

Sample 2 – One outlier was identified for Lab **H** with a 0.70 of a percent discrepancy from the upper quartile limit (63.65%).

Sample 3 – One outlier was identified for Lab **H** with a 1.68 of a percent discrepancy from the upper quartile limit (68.62%).

Linoleic Oil

Sample 1 – One outlier was identified for Lab **H** with a 0.95 of a percent discrepancy from the lower quartile limit (19.35%).

Sample 2 – One outlier was identified for Lab **H** with a 0.67 of a percent discrepancy from the lower quartile limit (20.22%).

Sample 3 – One outlier was identified for Lab **H** with a 0.26 of a percent discrepancy from the lower quartile limit (16.61%).

Free Fatty Acid

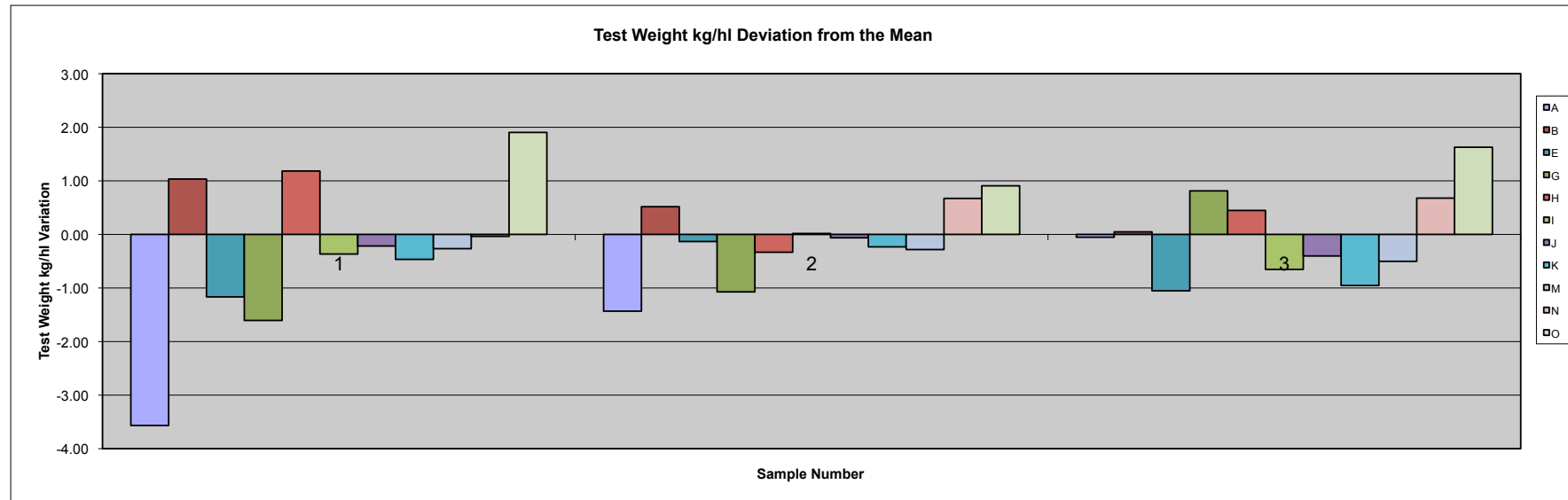
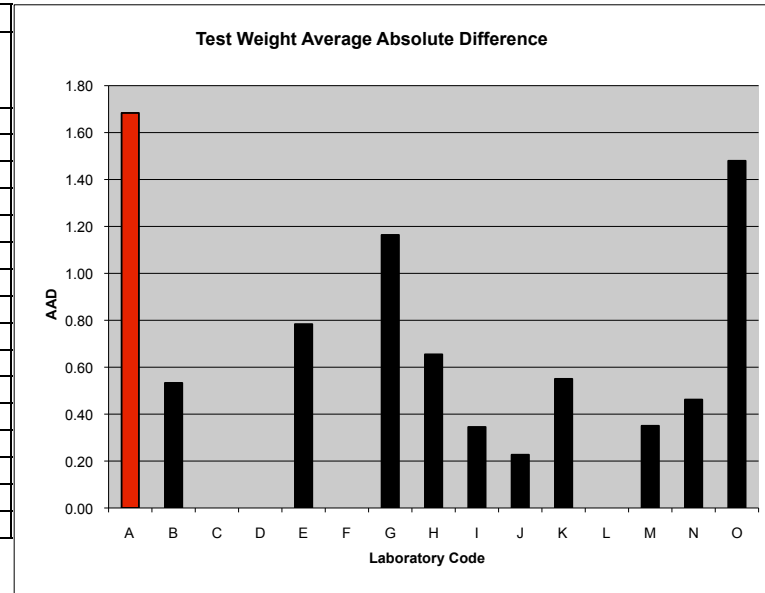
Sample 1 – No outliers were observed.

Sample 2 – No outliers were observed.

Sample 3 – One outlier was identified for Lab **E** with a 0.01 of a percent discrepancy from the upper quartile limit (0.48%).

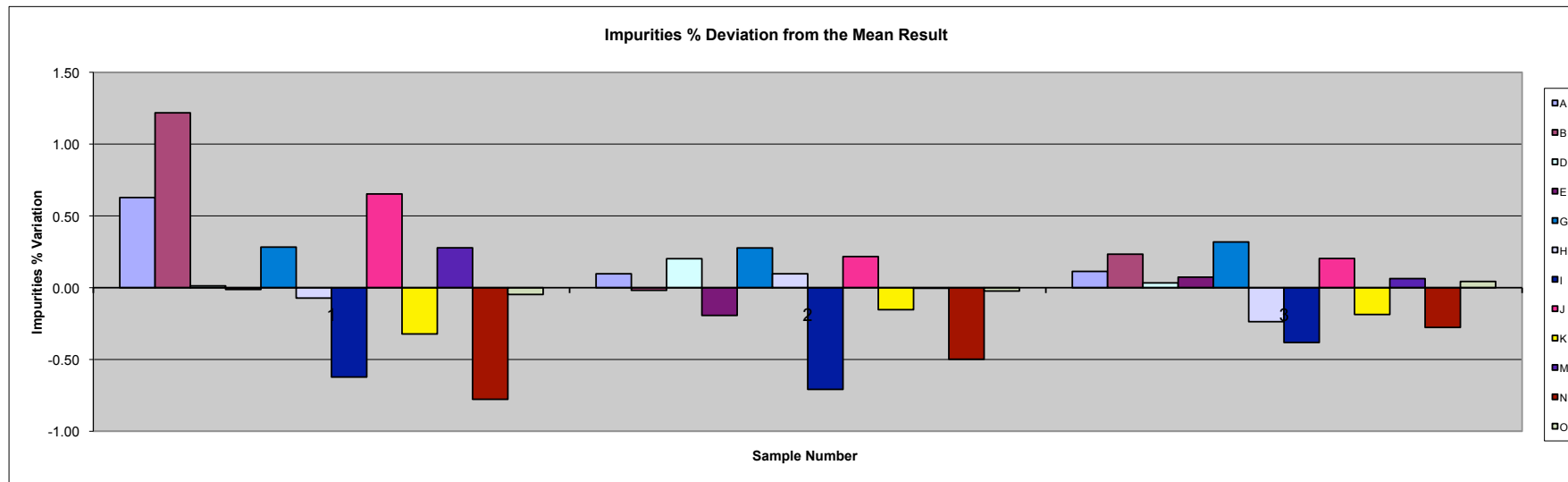
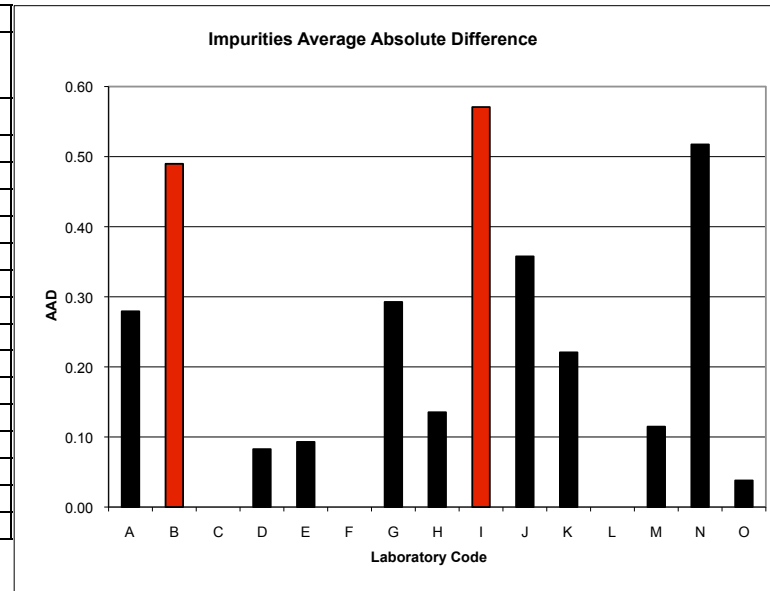
**2013 AOF Test Check Program
Round 12 Summary - December**

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	60.90	-3.57	63.80	-1.43	65.90	-0.05	-1.68	1.68
B	65.50	1.03	65.75	0.52	66.00	0.05	0.53	0.53
C								
D								
E	63.30	-1.17	65.10	-0.13	64.90	-1.05	-0.78	0.78
F								
G	62.86	-1.61	64.16	-1.07	66.77	0.81	-0.62	1.16
H	65.65	1.18	64.90	-0.33	66.40	0.45	0.43	0.65
I	64.10	-0.37	65.25	0.02	65.30	-0.65	-0.33	0.35
J	64.25	-0.22	65.17	-0.06	65.55	-0.40	-0.23	0.23
K	64.00	-0.47	65.00	-0.23	65.00	-0.95	-0.55	0.55
L								
M	64.20	-0.27	64.95	-0.28	65.45	-0.50	-0.35	0.35
N	64.43	-0.04	65.91	0.67	66.63	0.68	0.44	0.46
O	66.37	1.90	66.14	0.91	67.58	1.63	1.48	1.48
MEAN	64.47		65.23		65.95			0.68
STDEV	1.08		0.57		0.83			



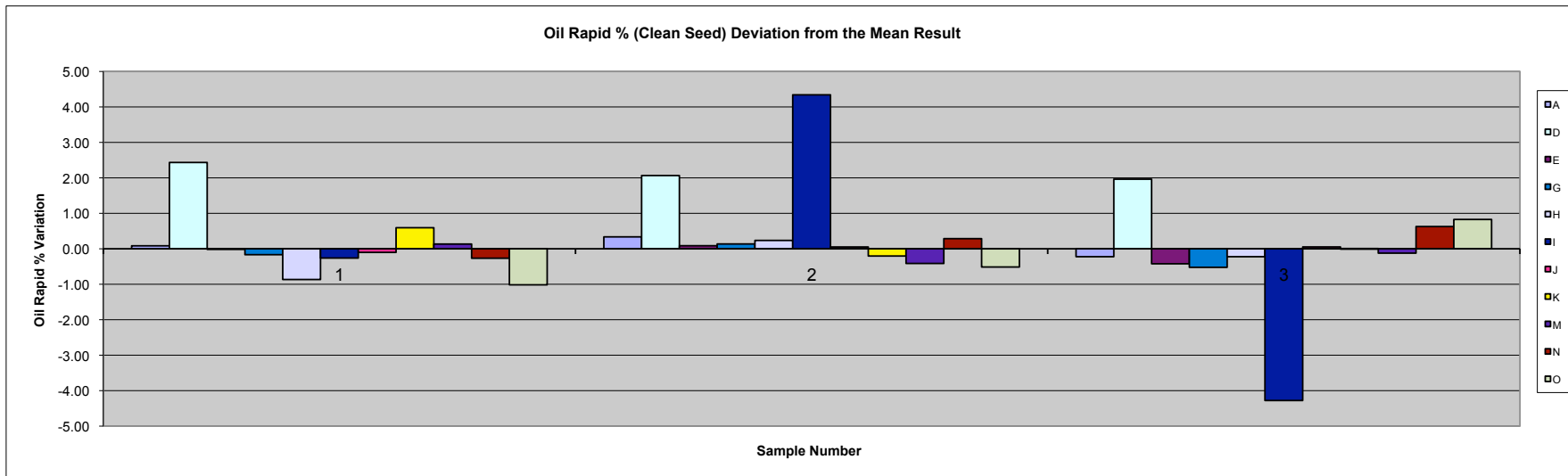
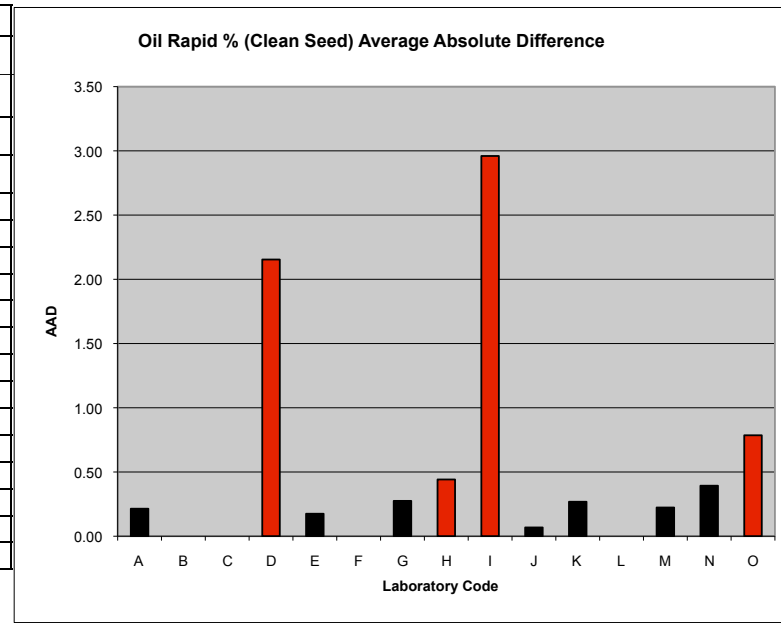
**2013 AOF Test Check Program
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Impurities %								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	2.55	0.63	1.25	0.10	1.00	0.11	0.28	0.28
B	3.14	1.22	1.14	-0.02	1.12	0.23	0.48	0.49
C								
D	1.94	0.01	1.36	0.20	0.92	0.03	0.08	0.08
E	1.91	-0.01	0.96	-0.19	0.96	0.07	-0.04	0.09
F								
G	2.21	0.28	1.43	0.28	1.21	0.32	0.29	0.29
H	1.85	-0.07	1.25	0.10	0.65	-0.24	-0.07	0.14
I	1.30	-0.62	0.45	-0.71	0.51	-0.38	-0.57	0.57
J	2.58	0.65	1.37	0.22	1.09	0.20	0.36	0.36
K	1.60	-0.32	1.00	-0.15	0.70	-0.19	-0.22	0.22
L								
M	2.20	0.28	1.15	0.00	0.95	0.06	0.11	0.11
N	1.15	-0.78	0.66	-0.50	0.61	-0.28	-0.52	0.52
O	1.88	-0.05	1.13	-0.02	0.93	0.04	-0.01	0.04
MEAN	1.92		1.15		0.89			0.29
STDEV	0.46		0.22		0.22			



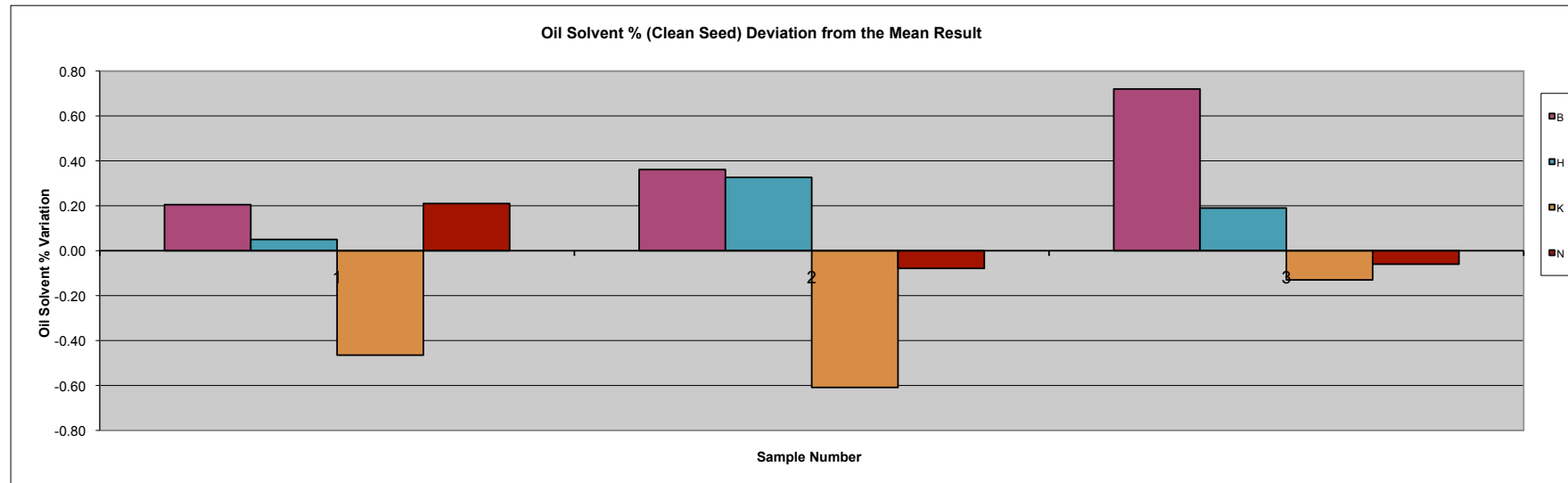
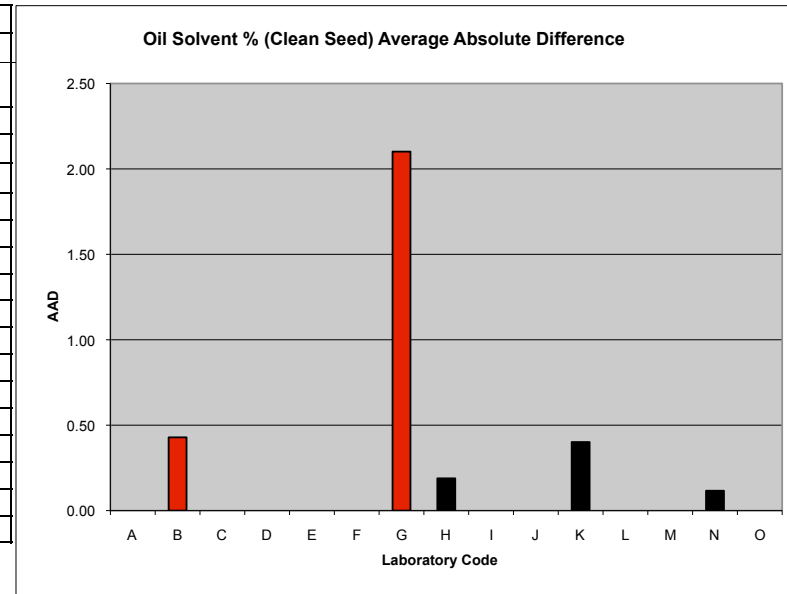
**2013 AOF Test Check Program
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Oil Rapid % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	45.95	0.08	42.70	0.34	46.80	-0.22	0.07	0.21
B								
C								
D	48.30	2.43	44.43	2.07	48.99	1.96	2.15	2.15
E	45.85	-0.02	42.45	0.09	46.60	-0.42	-0.12	0.18
F								
G	45.70	-0.17	42.50	0.14	46.50	-0.52	-0.18	0.28
H	45.00	-0.87	42.60	0.24	46.80	-0.22	-0.28	0.44
I	45.61	-0.26	46.71	4.34	42.75	-4.28	-0.07	2.96
J	45.77	-0.10	42.42	0.05	47.08	0.05	0.00	0.07
K	46.46	0.59	42.16	-0.20	47.03	0.01	0.13	0.27
L								
M	46.00	0.13	41.95	-0.41	46.90	-0.12	-0.13	0.22
N	45.60	-0.27	42.65	0.29	47.65	0.63	0.22	0.39
O	44.85	-1.02	41.85	-0.51	47.85	0.83	-0.23	0.79
MEAN	45.87		42.36		47.02			0.72
STDEV	0.28		0.31		0.45			



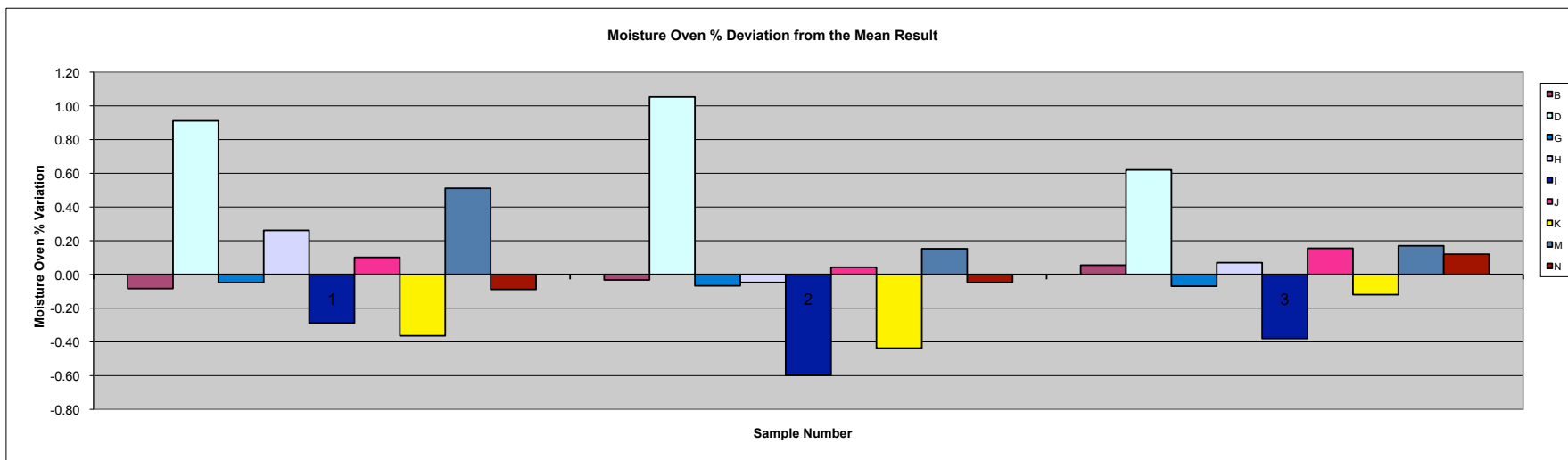
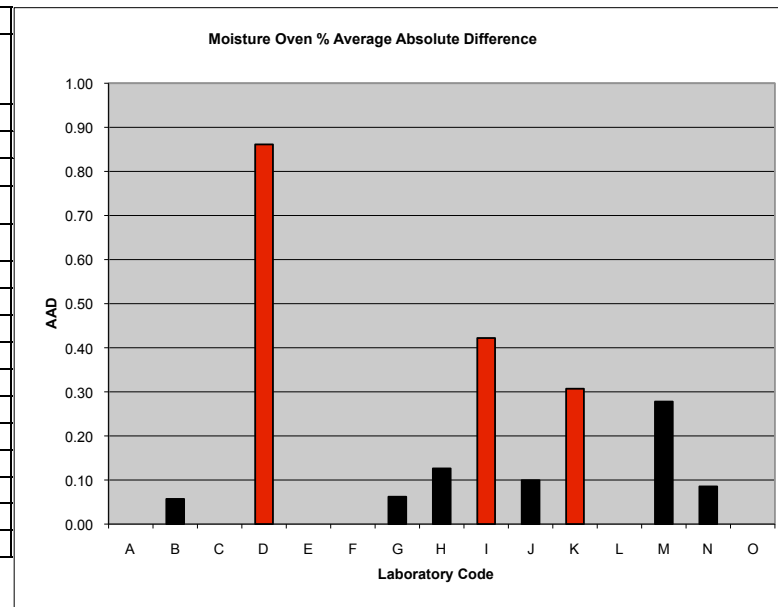
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Oil Solvent % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	47.01	0.21	43.44	0.36	47.83	0.72	0.43	0.43
C								
D								
E								
F								
G	44.79	-2.01	40.43	-2.65	45.47	-1.64	-2.10	2.10
H	46.85	0.05	43.40	0.33	47.30	0.19	0.19	0.19
I								
J								
K	46.34	-0.46	42.47	-0.61	46.98	-0.13	-0.40	0.40
L								
M								
N	47.01	0.21	43.00	-0.08	47.05	-0.06	0.02	0.12
O								
MEAN	46.80		43.07		47.11			0.65
STDEV	0.32		0.45		0.17			



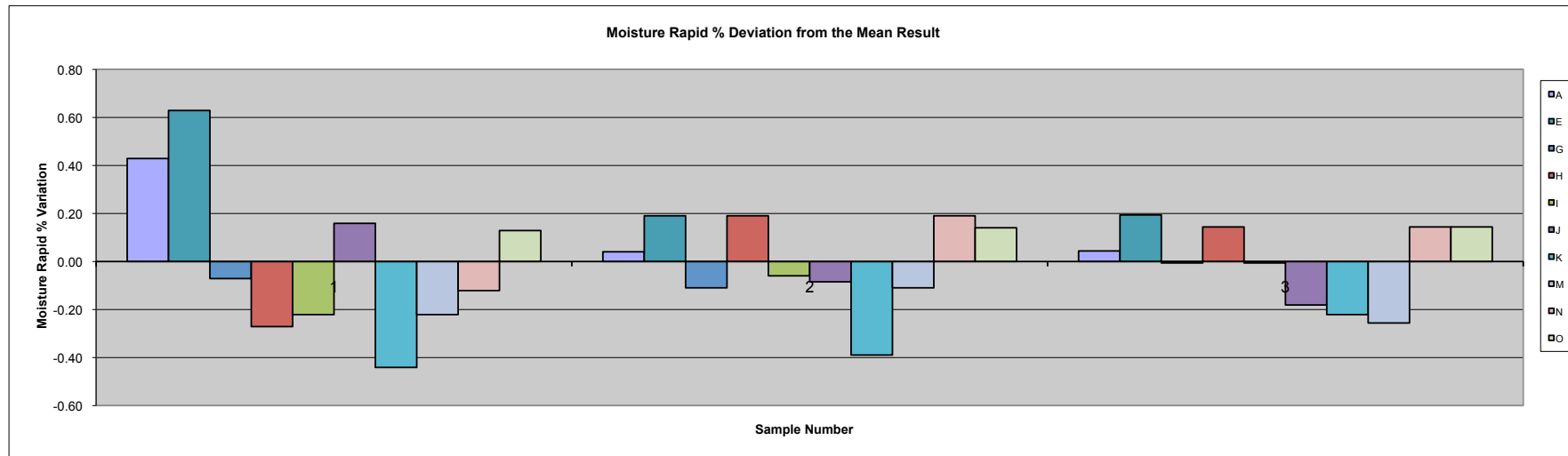
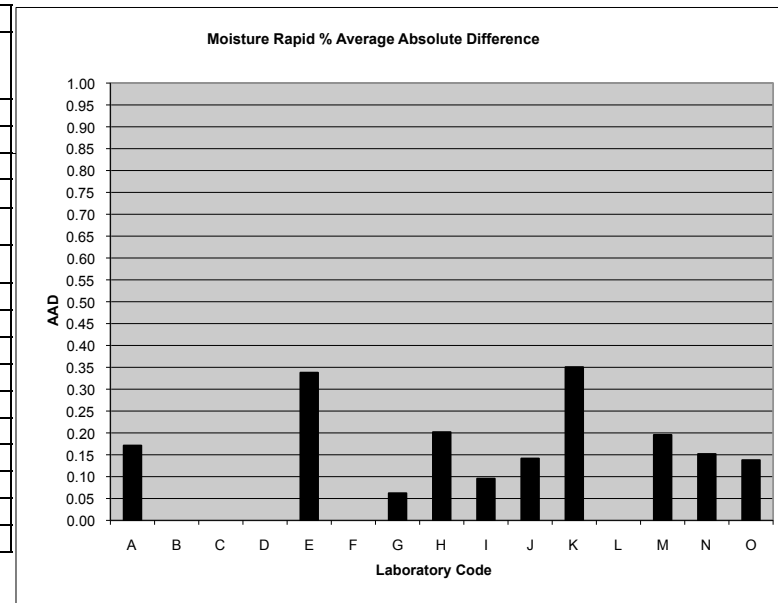
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Moisture Oven % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	5.66	-0.08	6.02	-0.03	5.49	0.06	-0.02	0.06
C								
D	6.65	0.91	7.10	1.05	6.05	0.62	0.86	0.86
E								
F								
G	5.69	-0.05	5.98	-0.07	5.36	-0.07	-0.06	0.06
H	6.00	0.26	6.00	-0.05	5.50	0.07	0.09	0.13
I	5.45	-0.29	5.45	-0.60	5.05	-0.38	-0.42	0.42
J	5.84	0.10	6.09	0.04	5.59	0.16	0.10	0.10
K	5.38	-0.36	5.61	-0.44	5.31	-0.12	-0.31	0.31
L								
M	6.25	0.51	6.20	0.15	5.60	0.17	0.28	0.28
N	5.65	-0.09	6.00	-0.05	5.55	0.12	-0.01	0.09
O								
MEAN	5.74		6.05		5.43			0.26
STDEV	0.29		0.08		0.18			



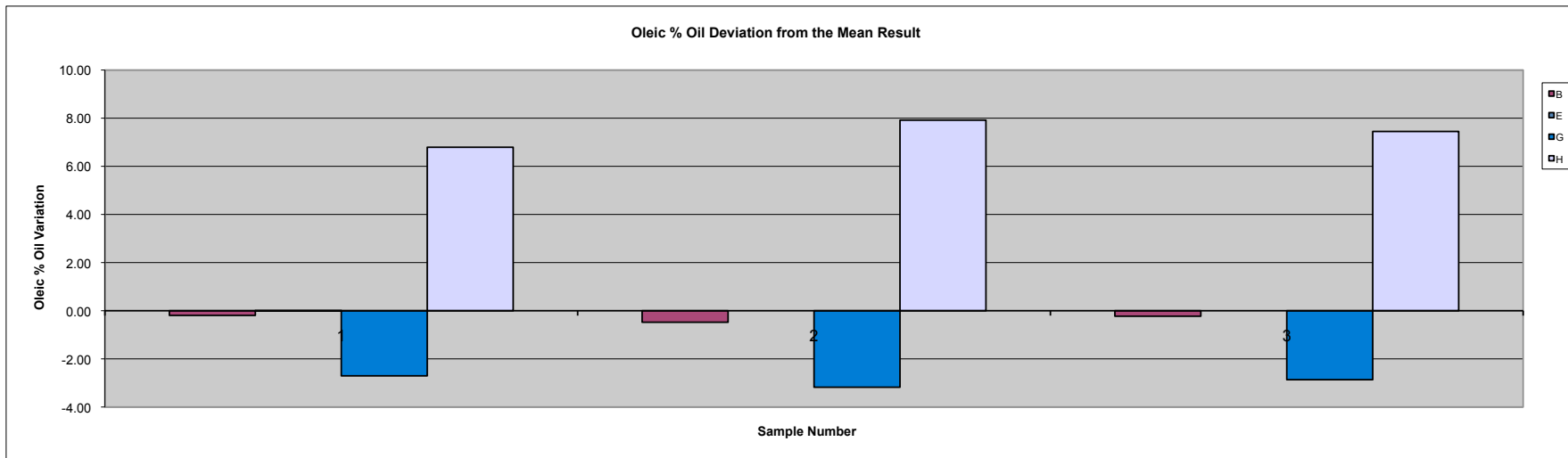
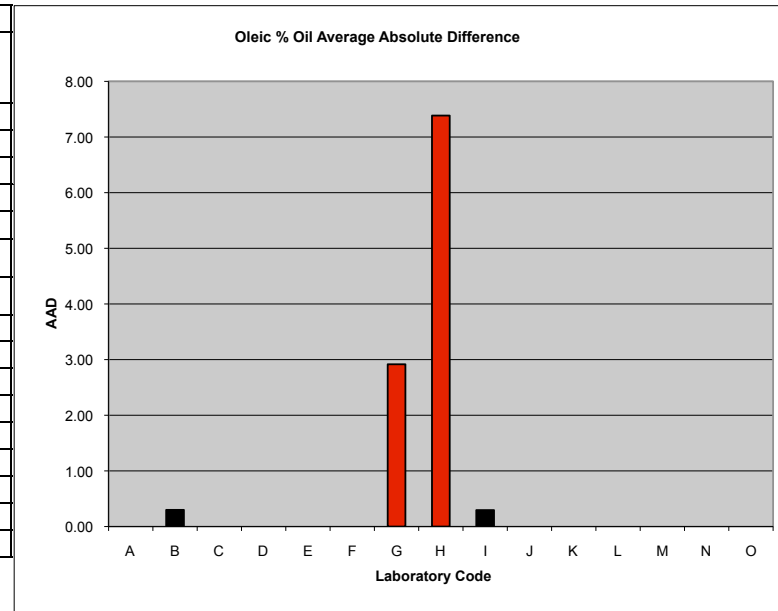
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Moisture Rapid % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	7.10	0.43	6.10	0.04	5.75	0.04	0.17	0.17
B								
C								
D								
E	7.30	0.63	6.25	0.19	5.90	0.19	0.34	0.34
F								
G	6.60	-0.07	5.95	-0.11	5.70	-0.01	-0.06	0.06
H	6.40	-0.27	6.25	0.19	5.85	0.14	0.02	0.20
I	6.45	-0.22	6.00	-0.06	5.70	-0.01	-0.10	0.10
J	6.83	0.16	5.98	-0.08	5.53	-0.18	-0.04	0.14
K	6.23	-0.44	5.67	-0.39	5.49	-0.22	-0.35	0.35
L								
M	6.45	-0.22	5.95	-0.11	5.45	-0.26	-0.20	0.20
N	6.55	-0.12	6.25	0.19	5.85	0.14	0.07	0.15
O	6.80	0.13	6.20	0.14	5.85	0.14	0.14	0.14
MEAN	6.67		6.06		5.71			0.19
STDEV	0.33		0.19		0.17			



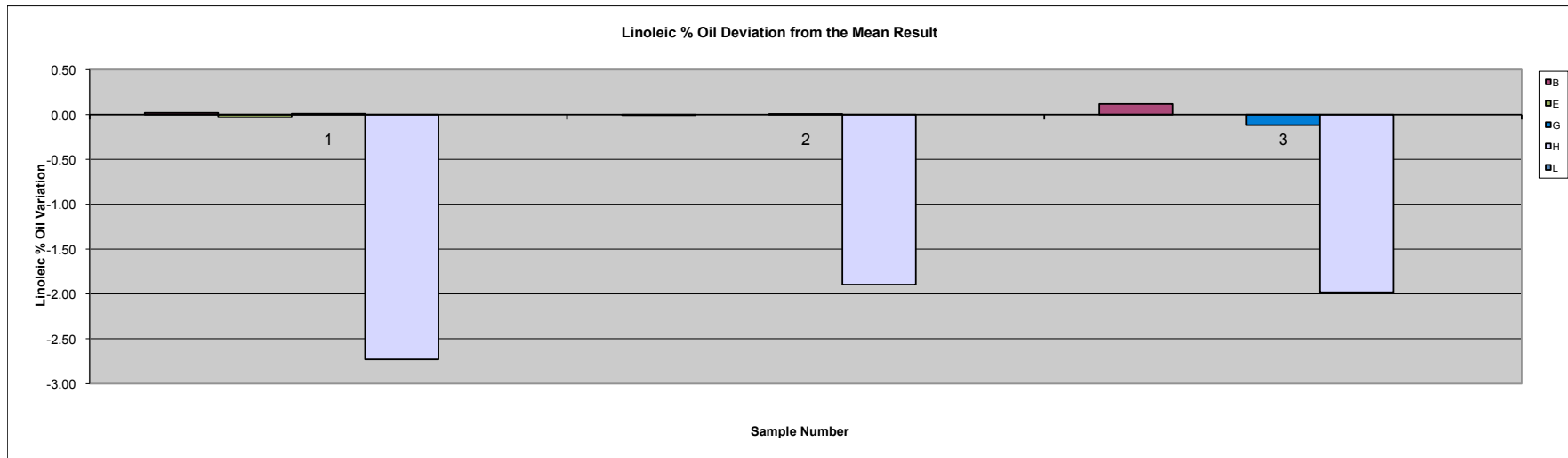
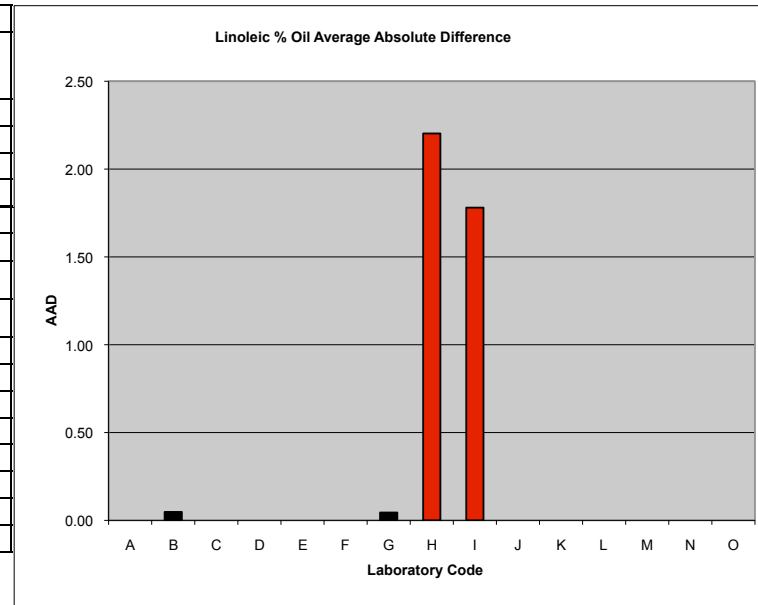
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Oleic % Oil Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	61.47	-0.19	55.96	-0.48	62.63	-0.23	-0.30	0.30
C								
D								
E	61.67	0.01						
F								
G	58.95	-2.71	53.25	-3.18	59.99	-2.86	-2.92	2.92
H	68.45	6.79	64.35	7.92	70.30	7.45	7.39	7.39
I	61.84	0.18	56.91	0.48	63.08	0.23	0.30	0.30
J								
K								
L								
M								
N								
O								
MEAN	61.66		56.43		62.85			2.72
STDEV	0.19		0.68		0.32			



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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	21.15	0.02	21.44	-0.01	18.45	0.12	0.04	0.05
C								
D								
E	21.10	-0.03						
F								
G	21.14	0.01	21.45	0.01	18.21	-0.12	-0.03	0.04
H	18.40	-2.73	19.55	-1.90	16.35	-1.98	-2.20	2.20
I	22.72	1.59	22.56	1.11	20.97	2.64	1.78	1.78
J								
K								
L								
M								
N								
O								
MEAN	21.13		21.45		18.33			1.02
STDEV	0.03		0.01		0.17			



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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	0.48	-0.15	0.13	-0.15	0.12	-0.08	-0.13	0.13
C								
D								
E	0.77	0.15	0.48	0.20	0.49	0.29	0.21	0.21
F								
G	0.80	0.17	0.33	0.05	0.26	0.06	0.09	0.09
H	0.23	-0.40	0.10	-0.18	0.11	-0.09	-0.22	0.22
I	0.70	0.08	0.37	0.09	0.29	0.08	0.08	0.08
J								
K	0.77	0.14	0.26	-0.02	0.24	0.04	0.05	0.07
L								
M								
N								
O								
MEAN	0.62		0.28		0.20			0.13
STDEV	0.23		0.15		0.08			

