



**2014 AOF Test Check Program
Monthly Report
Round 2
February - 2014
01/02/2014 – 01/03/2014**

Result Receiving Dates

Lab Code	Date
A	14/02/2014
B	27/02/2014
C	17/02/2014
D	10/02/2014
E	13/02/2014
F	-
G	26/02/2014
H	28/02/2014
I	28/02/2014
J	26/02/2014
K	24/02/2014
L	13/02/2014
M	28/02/2014
N	27/02/2014
O	20/02/2014

Discussion of Results

Test Weight

Sample 1 – One outlier was identified for Lab **D** with 0.78 kg/hl discrepancy from the lower quartile limit (64.16kg/hl).

Sample 2 – One outlier was identified for Lab **D** with 12.69 kg/hl discrepancy from the lower quartile limit (66.47kg/hl).

Sample 3 – One outlier was identified for Lab **D** with 12.18 kg/hl discrepancy from the lower quartile limit (66.29kg/hl).

Impurities

Sample 1 – No outliers were observed.

Sample 2 – One outlier was identified for Lab **C** with a 0.04 of a percent discrepancy from the upper quartile limit (2.43%).

Sample 3 – No outliers were observed.



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Oil Rapid

Sample 1 – One outlier was identified for Lab **D** with a 0.90 of a percent discrepancy from the upper quartile limit (47.29%).

Sample 2 – No outliers were observed.

Sample 3 – Outliers were identified for Lab **D, I** and **N**. Labs D, I and N were 0.06, 0.23 and 0.21 of a percent discrepancy, respectively, from the lower quartile limit (37.01%).

Oil Solvent Extraction

Sample 1 – One outlier was identified for Lab **B** with a 0.23 of a percent discrepancy from the upper quartile limit (47.69%).

Sample 2 – No outliers were observed.

Sample 3 – One outlier was identified for Lab **I** with a 1.04 of a percent discrepancy from the lower quartile limit (36.85%).

Moisture Oven

Sample 1 – One outlier was identified for Lab **E** with a 0.06 of a percent discrepancy from the upper quartile limit (6.71%).

Sample 2 – No outliers were observed.

Sample 3 – Outliers were identified for Lab **C, D** and **K**. Lab **C** was situated on the upper quartile limit of 9.05% while Lab **D** was 0.65 of a percent above. Lab **K** was identified with a 0.18 of a percent discrepancy from the lower quartile limit (7.97%).

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 0.42 of a percent discrepancy from the lower quartile limit (19.72%).

Sample 2 – One outlier was identified for Lab **E** with a 0.28 of a percent discrepancy from the lower quartile limit (15.80%).

Sample 3 – Outliers were identified for Labs **E** and **G**. Lab **E** was 2.31 of a percent discrepancy from the upper quartile limit (16.73%). Lab **G** was 0.53 of a percent discrepancy from the lower quartile limit (13.93%).

Free Fatty Acid

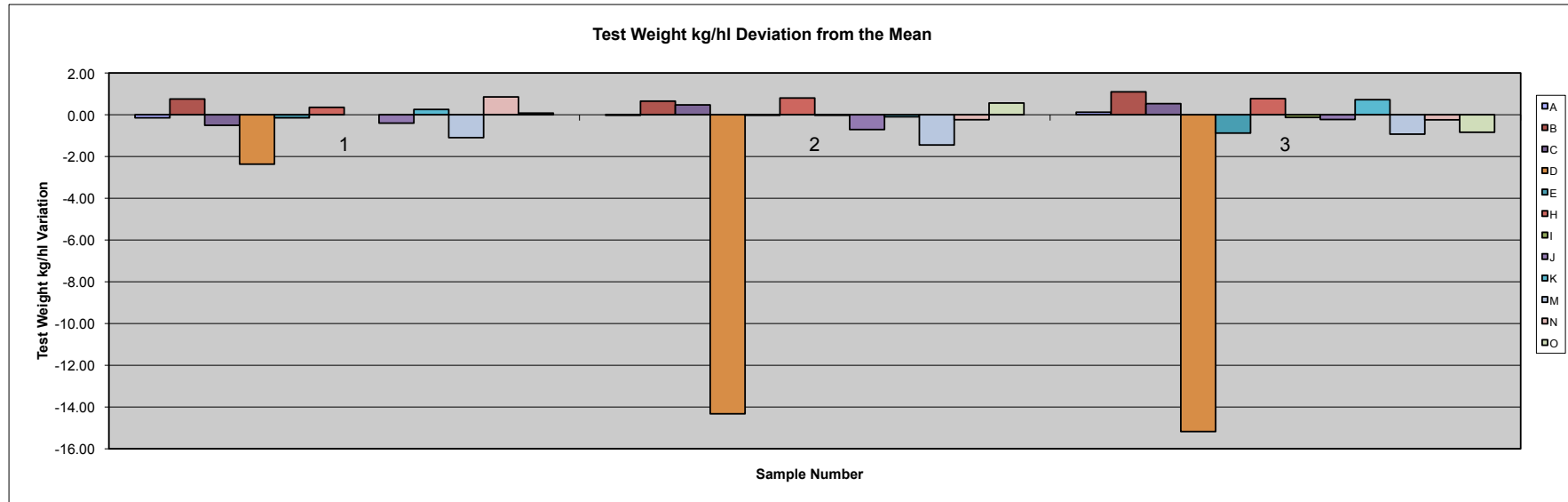
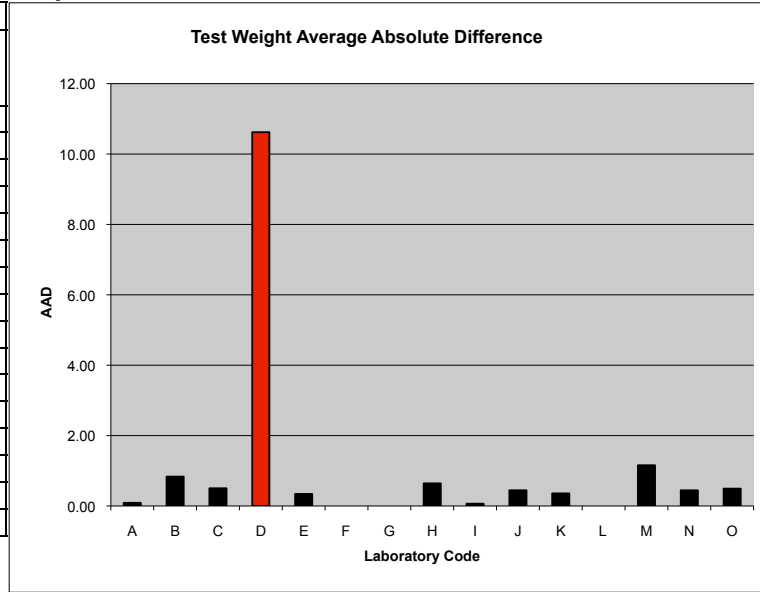
Sample 1 – No outliers were observed.

Sample 2 – One outlier was identified for Lab **E** with a 0.11 of a percent discrepancy from the upper quartile limit (0.67%).

Sample 3 – One outlier was identified for Lab **E** with a 1.02 of a percent discrepancy from the upper quartile limit (0.93%).

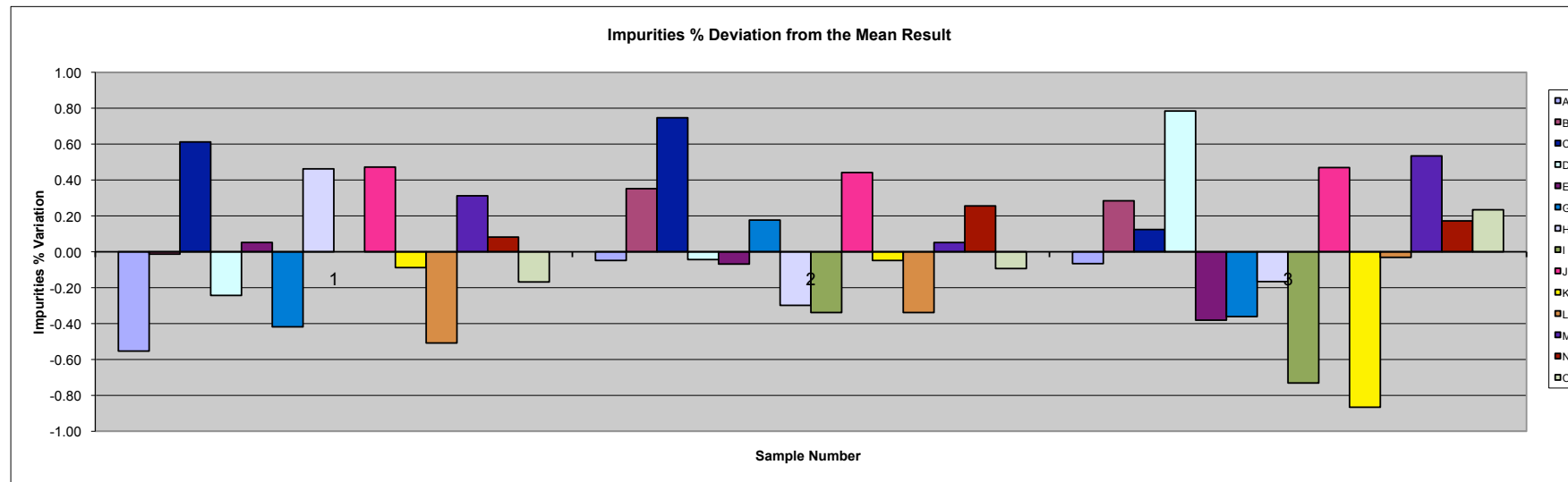
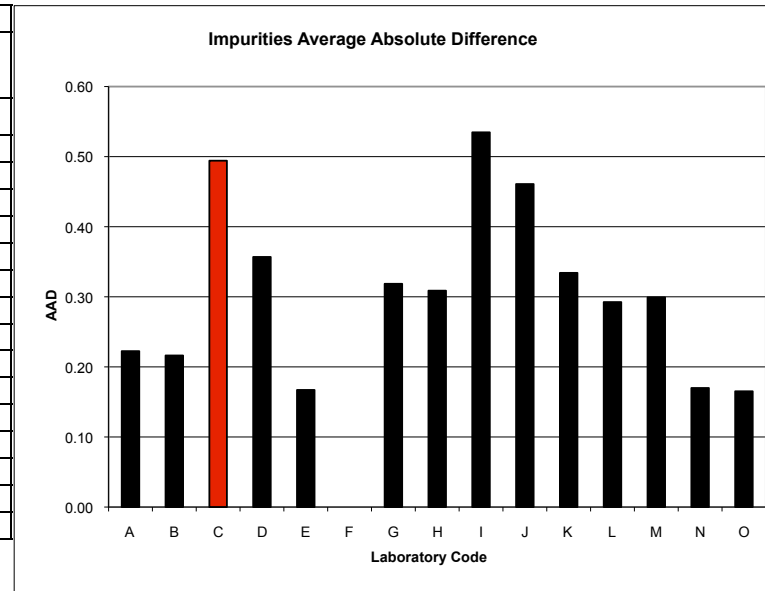
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Test Weight kg/hl								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	65.60	-0.15	68.10	0.00	69.40	0.12	-0.01	0.09
B	66.50	0.75	68.75	0.65	70.38	1.10	0.83	0.83
C	65.24	-0.51	68.57	0.47	69.81	0.53	0.17	0.50
D	63.38	-2.37	53.78	-14.32	54.11	-15.17	-10.62	10.62
E	65.60	-0.15	68.10	0.00	68.40	-0.88	-0.34	0.34
F								
G								
H	66.10	0.35	68.90	0.80	70.05	0.77	0.64	0.64
I			68.10	0.00	69.15	-0.13	-0.06	0.06
J	65.35	-0.40	67.39	-0.71	69.05	-0.23	-0.45	0.45
K	66.00	0.25	68.00	-0.10	70.00	0.72	0.29	0.36
L								
M	64.65	-1.10	66.65	-1.45	68.35	-0.93	-1.16	1.16
N	66.60	0.85	67.86	-0.24	69.04	-0.24	0.12	0.45
O	65.83	0.08	68.66	0.56	68.44	-0.84	-0.07	0.49
MEAN	65.75		68.10		69.28			1.33
STDEV	0.59		0.65		0.71			



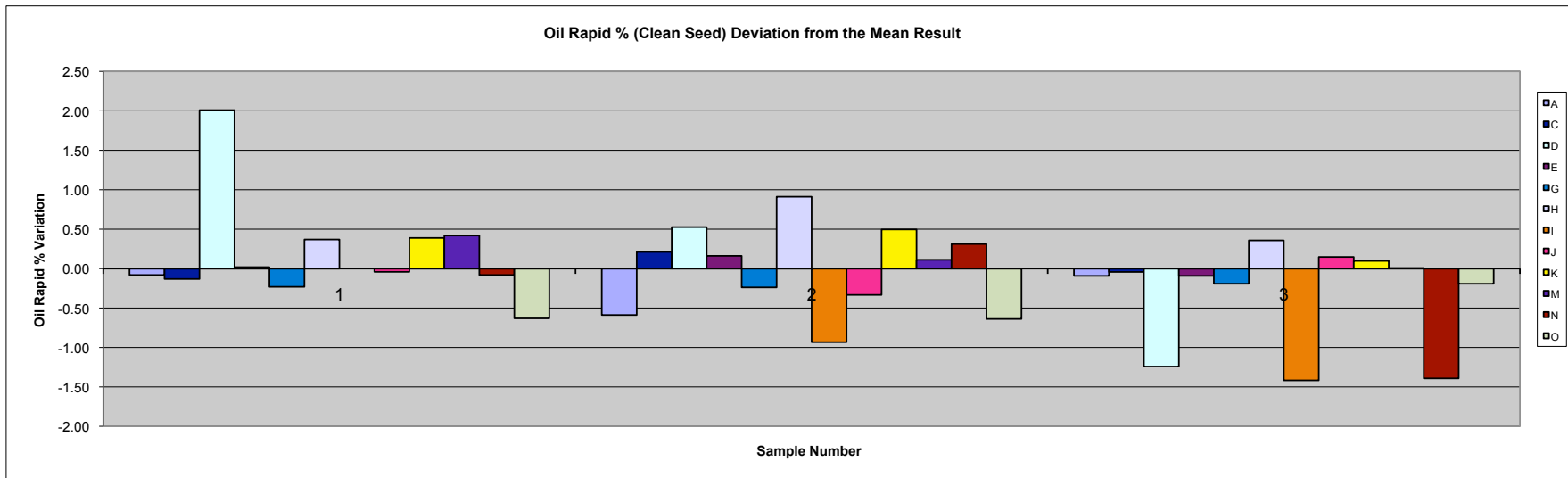
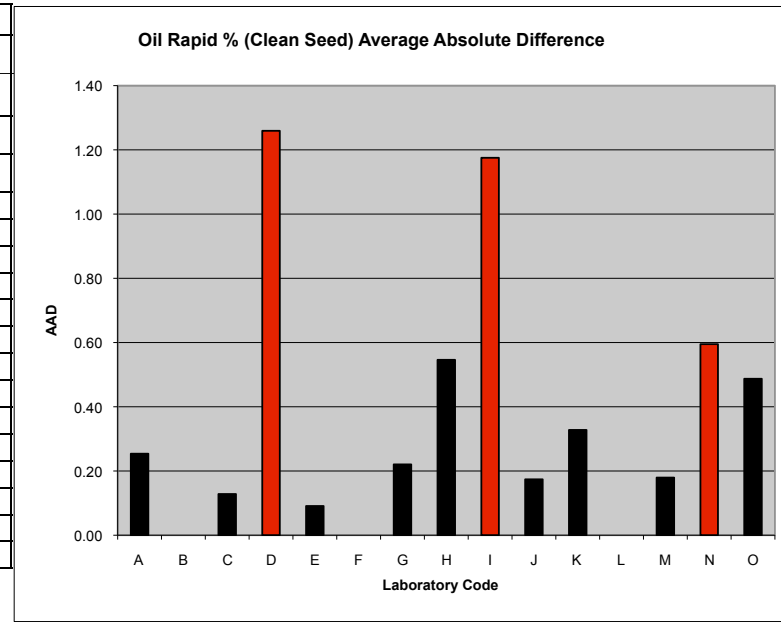
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Impurities %								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	0.74	-0.55	1.00	-0.05	1.70	-0.07	-0.22	0.22
B	1.28	-0.01	1.40	0.35	2.05	0.28	0.21	0.22
C	1.90	0.61	1.80	0.75	1.89	0.12	0.49	0.49
D	1.05	-0.24	1.01	-0.04	2.55	0.78	0.17	0.36
E	1.34	0.05	0.98	-0.07	1.39	-0.38	-0.13	0.17
F								
G	0.87	-0.42	1.23	0.18	1.41	-0.36	-0.20	0.32
H	1.75	0.46	0.75	-0.30	1.60	-0.17	0.00	0.31
I			0.71	-0.34	1.04	-0.73	-0.53	0.53
J	1.76	0.47	1.49	0.44	2.24	0.47	0.46	0.46
K	1.20	-0.09	1.00	-0.05	0.90	-0.87	-0.33	0.33
L	0.78	-0.51	0.71	-0.34	1.74	-0.03	-0.29	0.29
M	1.60	0.31	1.10	0.05	2.30	0.53	0.30	0.30
N	1.37	0.08	1.30	0.26	1.94	0.17	0.17	0.17
O	1.12	-0.17	0.96	-0.09	2.00	0.23	-0.01	0.17
MEAN	1.29		1.05		1.77			0.31
STDEV	0.38		0.25		0.47			



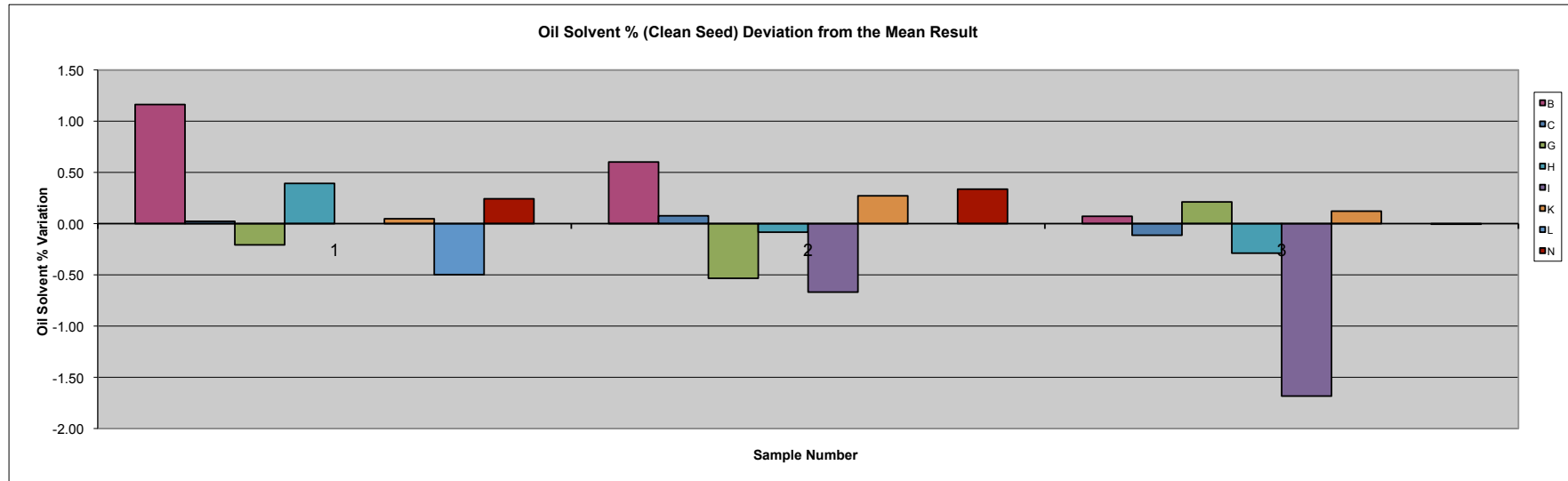
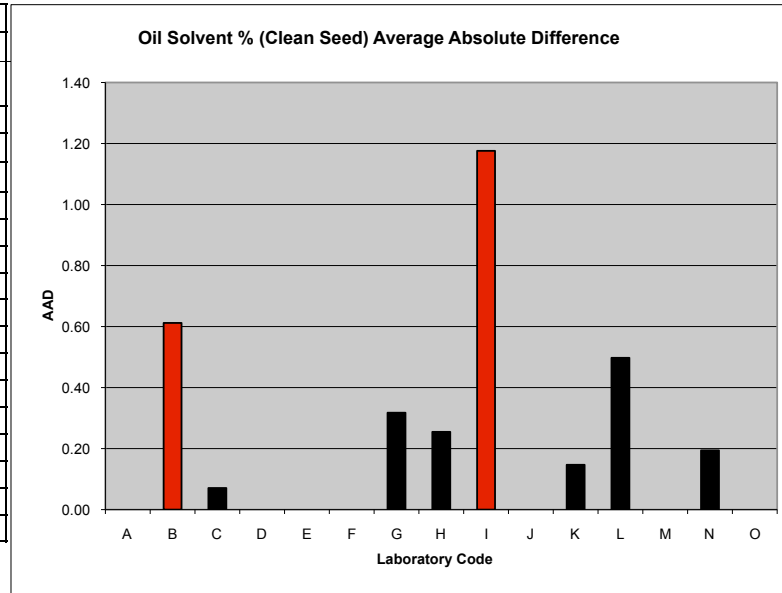
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Oil Rapid % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	46.10	-0.08	41.35	-0.59	38.10	-0.09	-0.25	0.25
B								
C	46.05	-0.13	42.15	0.21	38.15	-0.04	0.01	0.13
D	48.19	2.01	42.47	0.53	36.95	-1.24	0.43	1.26
E	46.20	0.02	42.10	0.16	38.10	-0.09	0.03	0.09
F								
G	45.95	-0.23	41.70	-0.24	38.00	-0.19	-0.22	0.22
H	46.55	0.37	42.85	0.91	38.55	0.36	0.55	0.55
I			41.01	-0.93	36.78	-1.42	-1.18	1.18
J	46.14	-0.04	41.61	-0.33	38.34	0.15	-0.08	0.17
K	46.57	0.39	42.44	0.50	38.29	0.10	0.33	0.33
L								
M	46.60	0.42	42.05	0.11	38.20	0.01	0.18	0.18
N	46.10	-0.08	42.25	0.31	36.80	-1.39	-0.39	0.59
O	45.55	-0.63	41.30	-0.64	38.00	-0.19	-0.49	0.49
MEAN	46.18		41.94		38.19			0.45
STDEV	0.32		0.55		0.18			



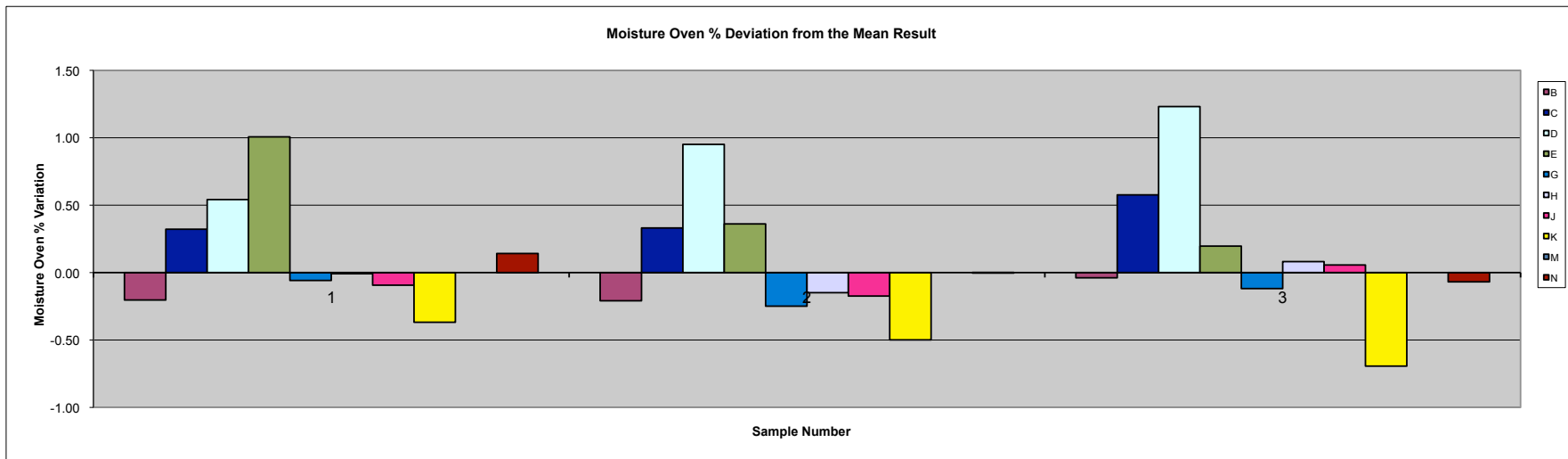
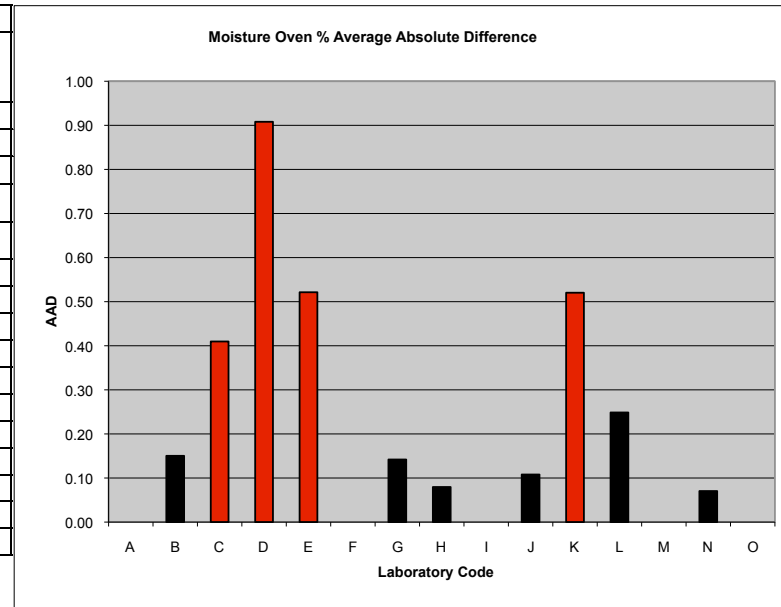
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Oil Solvent % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	47.92	1.16	42.24	0.60	37.56	0.07	0.61	0.61
C	46.78	0.02	41.71	0.08	37.38	-0.11	0.00	0.07
D								
E								
F								
G	46.55	-0.21	41.10	-0.53	37.70	0.21	-0.18	0.32
H	47.15	0.39	41.55	-0.08	37.20	-0.29	0.01	0.25
I			40.97	-0.67	35.81	-1.68	-1.18	1.18
J								
K	46.81	0.05	41.91	0.27	37.61	0.12	0.15	0.15
L	46.26	-0.50					-0.50	0.50
M								
N	47.00	0.24	41.97	0.34	37.49	0.00	0.19	0.19
O								
MEAN	46.76		41.63		37.49			0.41
STDEV	0.32		0.46		0.18			



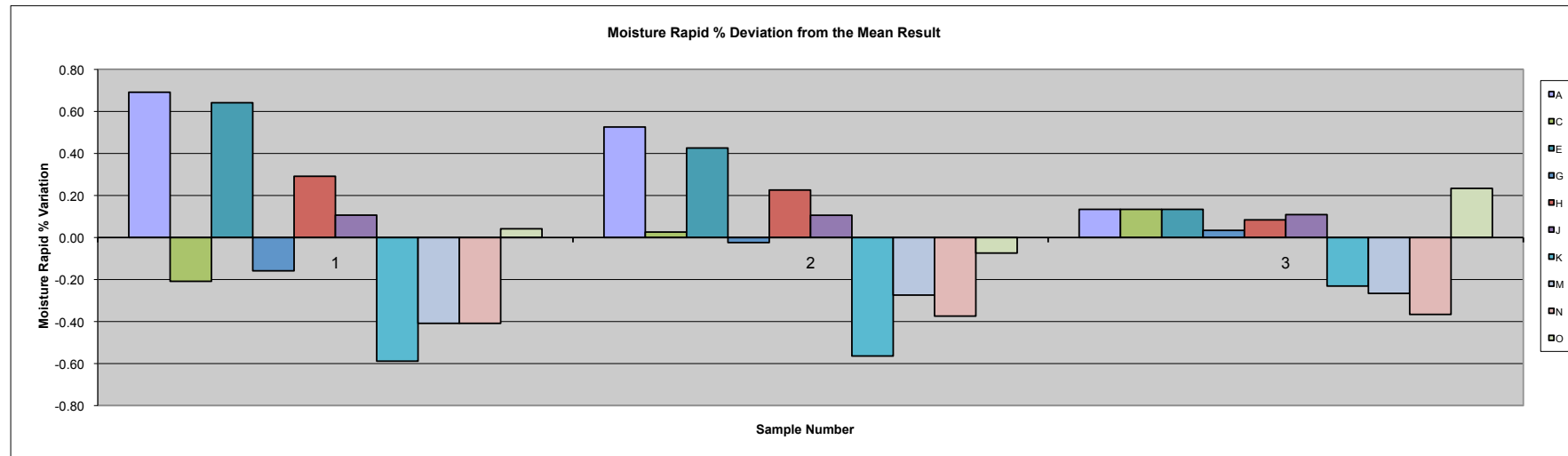
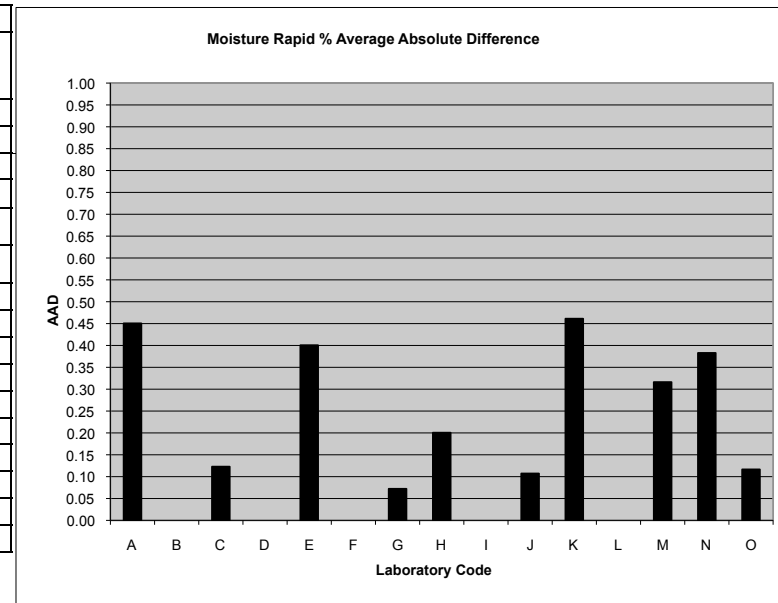
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Moisture Oven % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	5.56	-0.20	6.64	-0.21	8.43	-0.04	-0.15	0.15
C	6.08	0.32	7.18	0.33	9.05	0.58	0.41	0.41
D	6.30	0.54	7.80	0.95	9.70	1.23	0.91	0.91
E	6.77	1.01	7.21	0.36	8.67	0.20	0.52	0.52
F								
G	5.70	-0.06	6.60	-0.25	8.35	-0.12	-0.14	0.14
H	5.75	-0.01	6.70	-0.15	8.55	0.08	-0.03	0.08
I								
J	5.67	-0.09	6.68	-0.17	8.53	0.06	-0.07	0.11
K	5.39	-0.37	6.35	-0.50	7.78	-0.69	-0.52	0.52
L	5.49	-0.27	6.49	-0.36	8.36	-0.11	-0.25	0.25
M								
N	5.90	0.14	6.85	0.00	8.40	-0.07	0.02	0.07
O								
MEAN	5.76		6.85		8.47			0.32
STDEV	0.29		0.43		0.12			



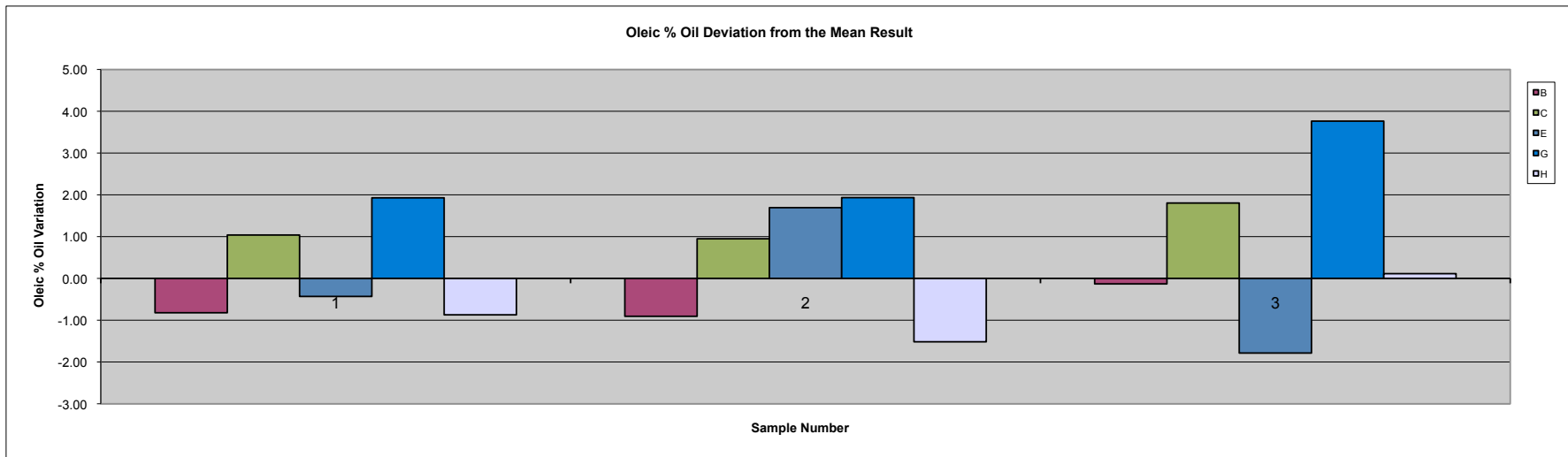
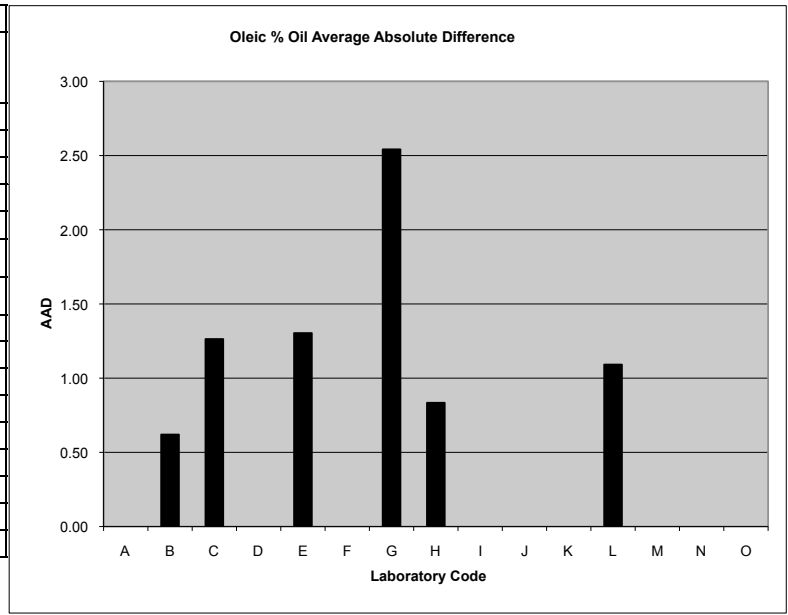
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Moisture Rapid % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	7.20	0.69	7.50	0.53	8.60	0.13	0.45	0.45
B								
C	6.30	-0.21	7.00	0.03	8.60	0.13	-0.02	0.12
D								
E	7.15	0.64	7.40	0.43	8.60	0.13	0.40	0.40
F								
G	6.35	-0.16	6.95	-0.02	8.50	0.03	-0.05	0.07
H	6.80	0.29	7.20	0.23	8.55	0.08	0.20	0.20
I								
J	6.62	0.11	7.08	0.11	8.58	0.11	0.11	0.11
K	5.92	-0.59	6.41	-0.56	8.24	-0.23	-0.46	0.46
L								
M	6.10	-0.41	6.70	-0.27	8.20	-0.27	-0.32	0.32
N	6.10	-0.41	6.60	-0.37	8.10	-0.37	-0.38	0.38
O	6.55	0.04	6.90	-0.07	8.70	0.23	0.07	0.12
MEAN	6.51		6.97		8.47			0.26
STDEV	0.44		0.34		0.21			



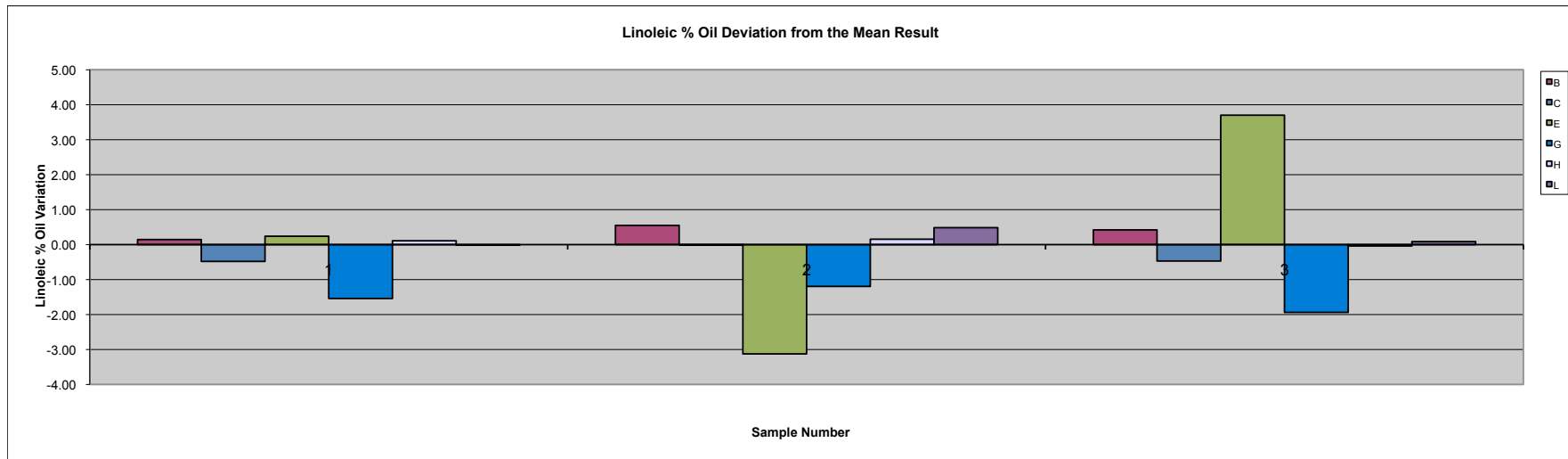
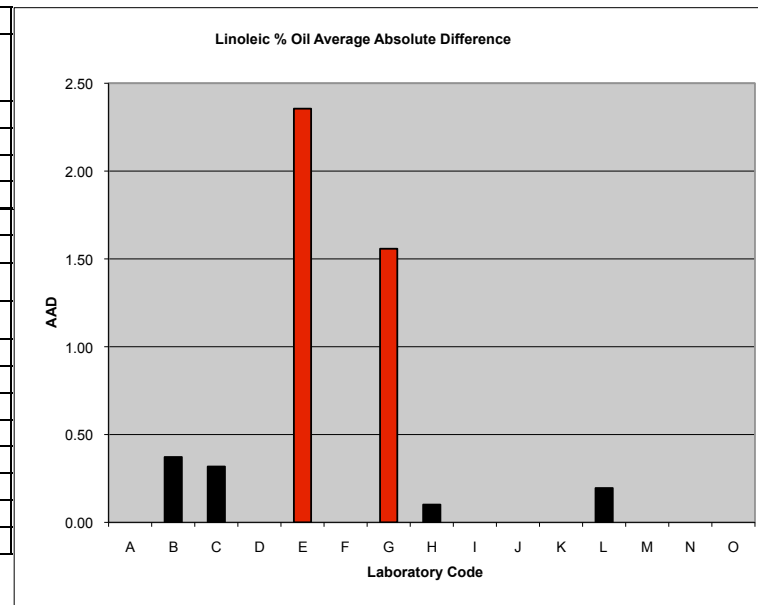
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Oleic % Oil Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	61.90	-0.82	63.81	-0.91	65.91	-0.13	-0.62	0.62
C	63.76	1.04	65.67	0.95	67.84	1.80	1.26	1.26
D								
E	62.29	-0.43	66.41	1.69	64.25	-1.79	-0.17	1.30
F								
G	64.65	1.93	66.65	1.93	69.80	3.76	2.54	2.54
H	61.85	-0.87	63.20	-1.52	66.15	0.11	-0.76	0.83
I								
J								
K								
L	61.88	-0.84	62.57	-2.15	65.76	-0.28	-1.09	1.09
M								
N								
O								
MEAN	62.72		64.72		66.04			1.28
STDEV	1.19		1.75		1.47			



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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	20.99	0.15	19.20	0.55	15.76	0.42	0.37	0.37
C	20.36	-0.48	18.65	0.00	14.87	-0.47	-0.31	0.32
D								
E	21.08	0.24	15.52	-3.13	19.04	3.70	0.27	2.36
F								
G	19.30	-1.54	17.45	-1.20	13.40	-1.94	-1.56	1.56
H	20.95	0.11	18.80	0.15	15.30	-0.04	0.08	0.10
I								
J								
K								
L	20.83	-0.02	19.13	0.49	15.43	0.09	0.19	0.20
M								
N								
O								
MEAN	20.84		18.65		15.34			0.82
STDEV	0.28		0.71		0.37			



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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	0.45	-0.09	0.27	-0.03	0.22	-0.12	-0.08	0.08
C	0.51	-0.03	0.27	-0.04	0.53	0.20	0.04	0.09
D								
E	0.88	0.34	0.78	0.48	1.94	1.61	0.81	0.81
F								
G	0.77	0.23	0.53	0.23	0.51	0.18	0.21	0.21
H	0.22	-0.32	0.16	-0.15	0.15	-0.19	-0.22	0.22
I								
J								
K	0.48	-0.06	0.27	-0.04	0.28	-0.06	-0.05	0.05
L	0.47	-0.07	0.33	0.03	0.33	0.00	-0.02	0.03
M								
N								
O								
MEAN	0.54		0.30		0.33			0.21
STDEV	0.22		0.13		0.16			

