



2014 AOF Test Check Program
Monthly Report
Round 11
November - 2014
01/11/2014 – 01/12/2014

Result Receiving Dates

Lab Code	Date
A	07/11/2014
B	28/11/2014
C	28/11/2014
D	06/11/2014
E	01/12/2014
F	N/A
G	28/11/2014
H	28/11/2014
I	25/11/2014 (N/A)
J	26/11/2014
K	N/A
L	19/11/2014 (N/A)
M	28/11/2014
N	19/11/2014
O	N/A
Q	07/11/2014
R	30/11/2014
S	28/11/2014

Discussion of Results

Test Weight

Sample 1 – One outlier was identified for Lab D with a 1.01 h/L discrepancy from the lower quartile limit (65.88 h/L).

Sample 2 – Outliers were identified for Lab B, D and S. Lab D and S were 0.61 h/L and 1.30 h/L discrepancy from the lower quartile limit (66.50 h/L). Lab B was 0.15 h/L discrepancy from the upper quartile limit (69.60 h/L).

Sample 3 – One outlier was identified for Lab D with a 0.87 h/L discrepancy from the lower quartile limit (64.03 h/L).



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Impurities

Sample 1 – One outlier was identified for Lab K with a 0.34 of a percent discrepancy from the upper quartile limit (3.21%).

Sample 2 – Outliers were identified for Lab C and K and result in a 0.14 and 0.80 of a percent discrepancy from the upper quartile limit (2.15%).

Sample 3 – One outlier was identified for Lab E with a 0.09 of a percent discrepancy from the lower quartile limit (0.74%).

Oil Rapid

Sample 1 – One outlier was identified for Lab D with a 0.80 of a percent discrepancy from the upper quartile limit (47.09%).

Sample 2 – One outlier was identified for Lab N with a 0.88 of a percent discrepancy from the lower quartile limit (38.78%).

Sample 3 – Outliers were identified for Lab D, K, M and S. Lab D, K and M result in a 0.19, 0.38 and 0.50 of a percent discrepancy, respectively, from the upper quartile limit (42.05%). Lab S was 0.15 of a percent discrepancy from the lower quartile limit (40.45%).

Oil Solvent Extraction

Sample 1 – One outlier was identified for Lab R with a 1.78 of a percent discrepancy from the lower quartile limit (45.76%).

Sample 2 – Outliers were identified for Lab G and R. Lab G, and R result in a 0.19, and 0.75 of a percent discrepancy, respectively, from the upper quartile limit (40.95%).

Sample 3 – One outlier was identified for Lab R with a 0.20 of a percent discrepancy from the upper quartile limit (42.40%).

Moisture Oven

Sample 1 – No outliers were observed for this test.

Sample 2 – No outliers were observed for this test.

Sample 3 – One outlier was identified for Lab R with a 0.07 of a percent discrepancy from the lower quartile limit (4.98%).



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Moisture Rapid

No outliers were observed for this test.

Oleic Oil

Sample 1 – No outliers were observed for this test.

Sample 2 – One outlier was identified for Lab G with a 1.99 of a percent discrepancy from the lower quartile limit (64.87%).

Sample 3 – No outliers were observed for this test.

Linoleic Oil

Sample 1 – One outlier was identified for Lab E with a 12.36 of a percent discrepancy from the lower quartile limit (22.33%).

Sample 2 – Outliers were identified for Lab E and G. Lab E was 4.51 of a percent discrepancy from the lower quartile limit (12.90%). Lab G was 2.78 of a percent discrepancy from the upper quartile limit (15.39%).

Sample 3 – One outlier was identified for Lab E with a 5.56 of a percent discrepancy from the lower quartile limit (14.88%).

Free Fatty Acid

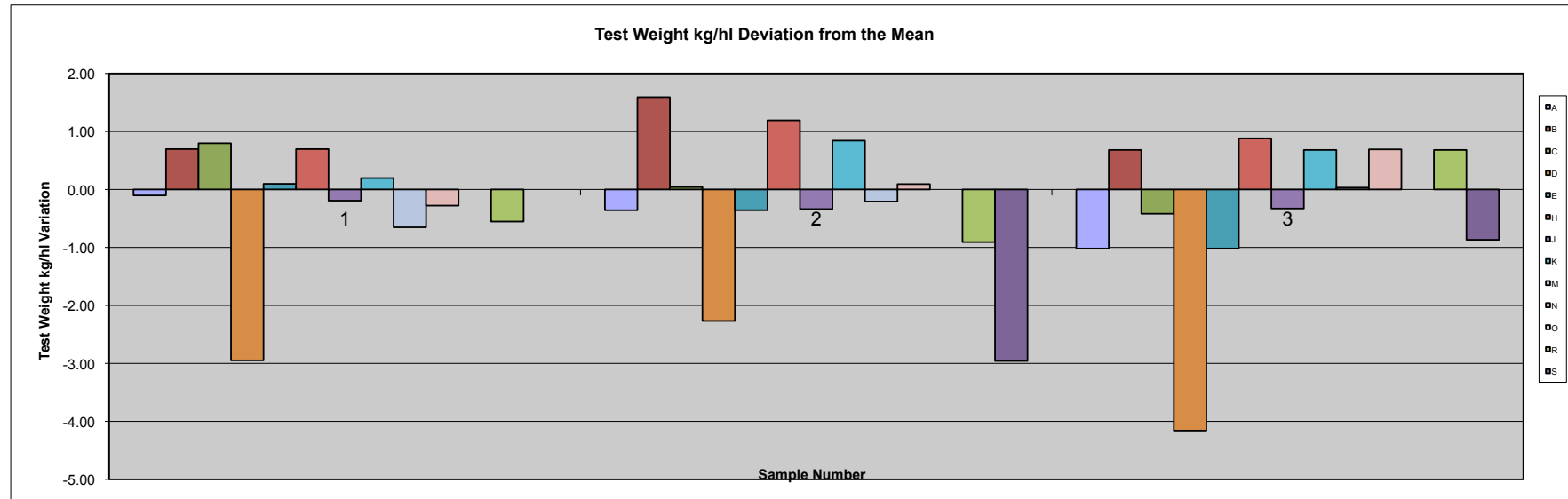
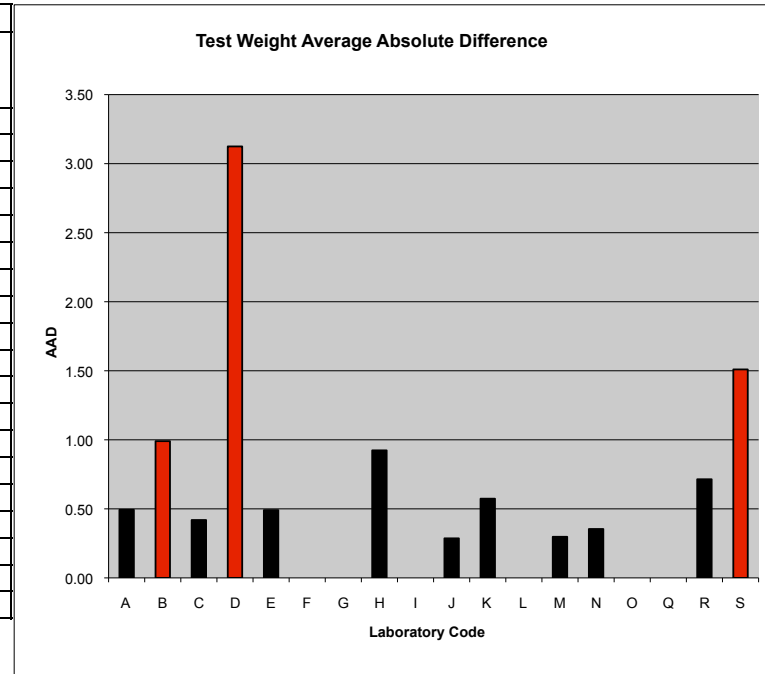
Sample 1 – One outlier was identified for Lab S with a 0.02 of a percent discrepancy from the upper quartile limit (0.52%).

Sample 2 – One outlier was identified for Lab S with a 0.06 of a percent discrepancy from the upper quartile limit (1.05%).

Sample 3 – One outlier was identified for Lab S with a 1.18 of a percent discrepancy from the upper quartile limit (0.99%).

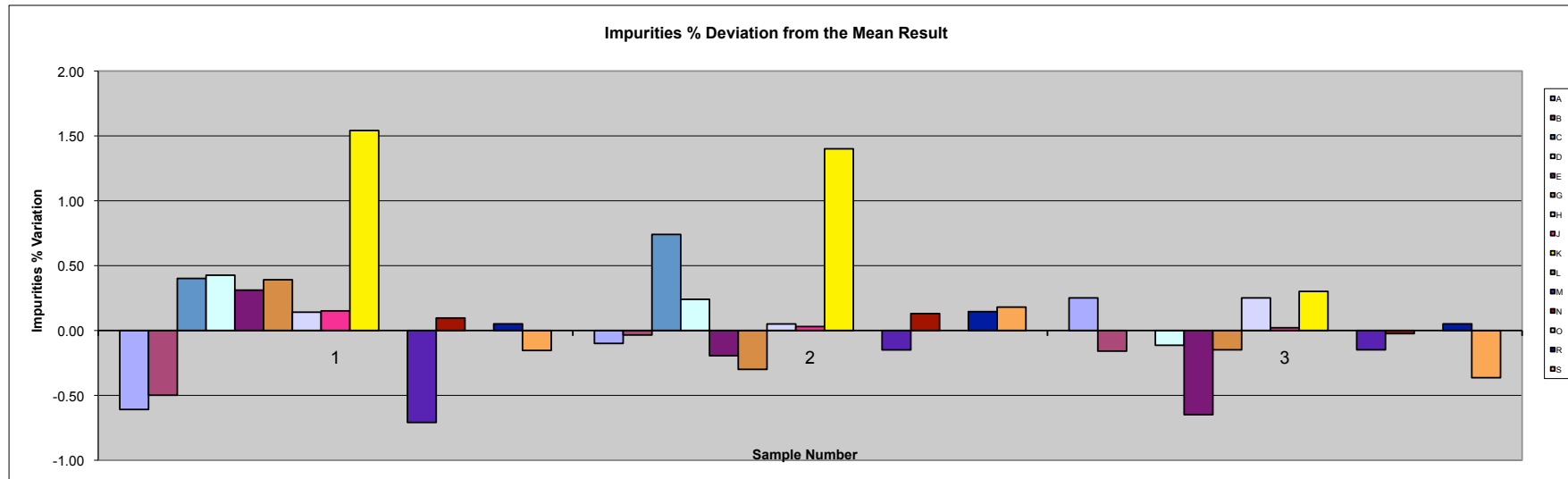
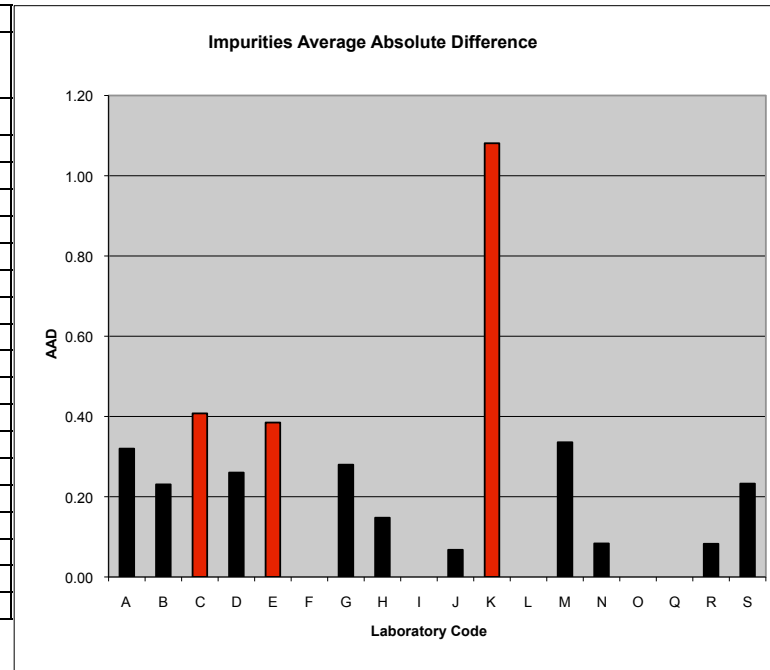
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Test Weight kg/hl								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	67.70	-0.10	67.80	-0.36	66.30	-1.02	-0.49	0.49
B	68.50	0.70	69.75	1.59	68.00	0.68	0.99	0.99
C	68.60	0.80	68.20	0.04	66.90	-0.42	0.14	0.42
D	64.86	-2.95	65.89	-2.27	63.16	-4.16	-3.12	3.12
E	67.90	0.10	67.80	-0.36	66.30	-1.02	-0.43	0.49
F								
G								
H	68.50	0.70	69.35	1.19	68.20	0.88	0.92	0.92
I								
J	67.61	-0.19	67.82	-0.34	66.99	-0.33	-0.29	0.29
K	68.00	0.20	69.00	0.84	68.00	0.68	0.57	0.57
L								
M	67.15	-0.65	67.95	-0.21	67.35	0.03	-0.28	0.30
N	67.53	-0.28	68.25	0.09	68.01	0.69	0.17	0.35
O								
Q								
R	67.25	-0.55	67.25	-0.91	68.00	0.68	-0.26	0.71
S	67.80	0.00	65.20	-2.96	66.45	-0.87	-1.51	1.51
MEAN	67.80		68.16		67.32			0.85
STDEV	0.55		0.65		0.76			



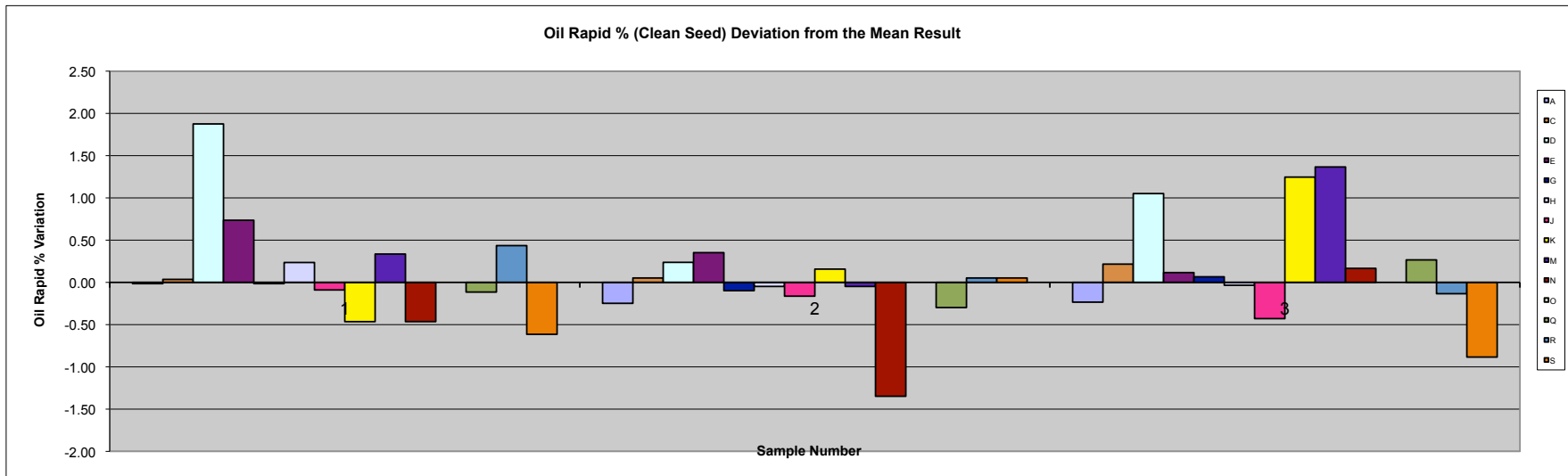
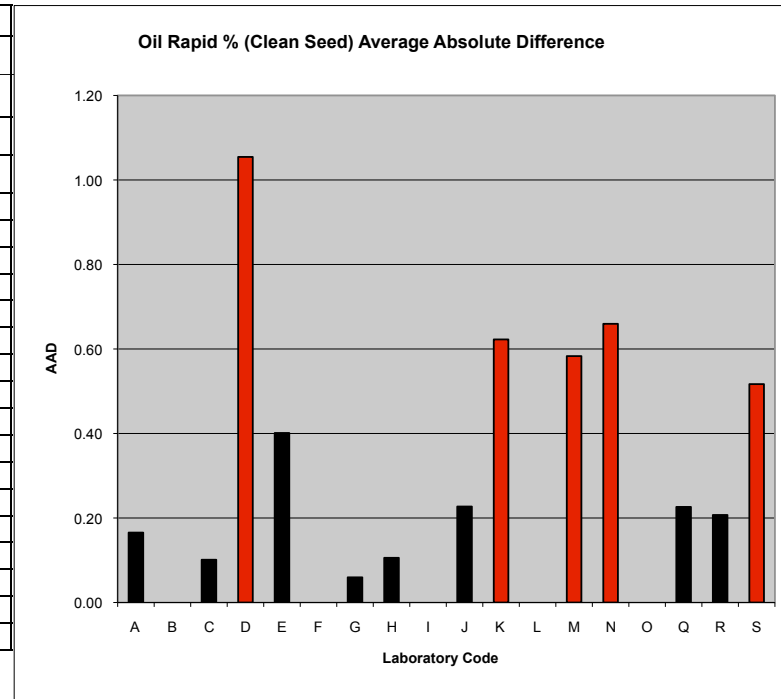
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Impurities %								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	1.40	-0.61	1.45	-0.10	1.55	0.25	-0.15	0.32
B	1.51	-0.50	1.52	-0.03	1.14	-0.16	-0.23	0.23
C	2.41	0.40	2.29	0.74	1.38	0.08	0.41	0.41
D	2.44	0.43	1.79	0.24	1.19	-0.11	0.18	0.26
E	2.32	0.31	1.36	-0.19	0.65	-0.65	-0.18	0.38
F								
G	2.40	0.39	1.25	-0.30	1.15	-0.15	-0.02	0.28
H	2.15	0.14	1.60	0.05	1.55	0.25	0.15	0.15
I								
J	2.16	0.15	1.58	0.03	1.32	0.02	0.07	0.07
K	3.55	1.54	2.95	1.40	1.60	0.30	1.08	1.08
L								
M	1.30	-0.71	1.40	-0.15	1.15	-0.15	-0.34	0.34
N	2.11	0.10	1.68	0.13	1.28	-0.02	0.07	0.08
O								
Q								
R	2.06	0.05	1.70	0.15	1.35	0.05	0.08	0.08
S	1.86	-0.15	1.73	0.18	0.94	-0.36	-0.11	0.23
MEAN	2.01		1.55		1.30			0.30
STDEV	0.40		0.17		0.20			



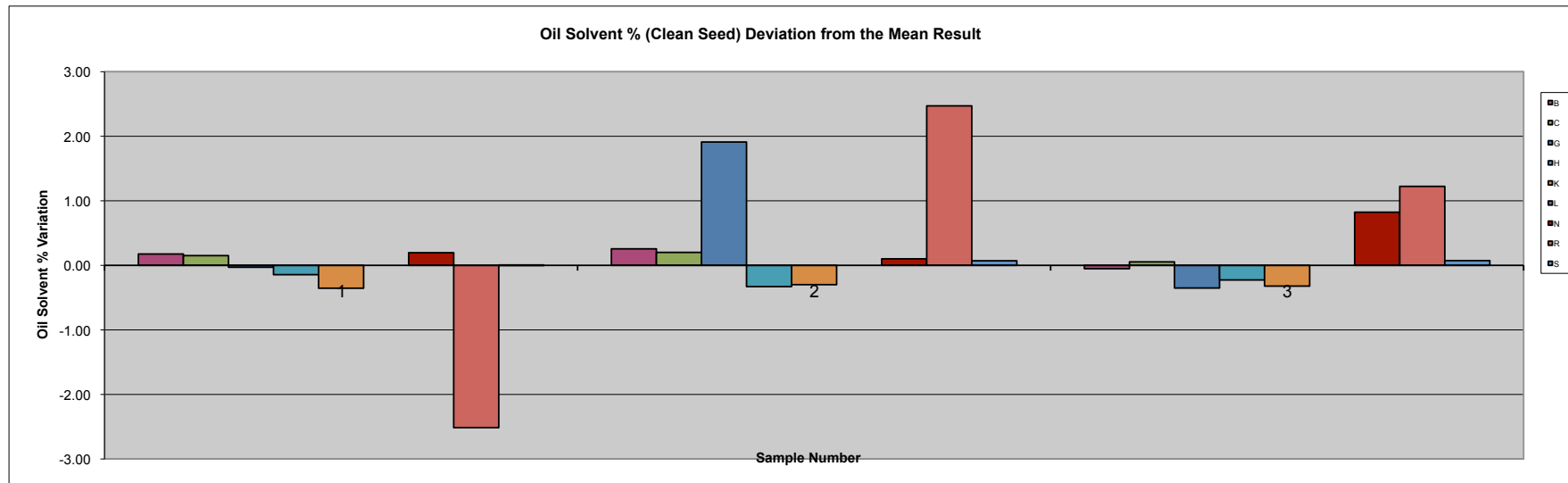
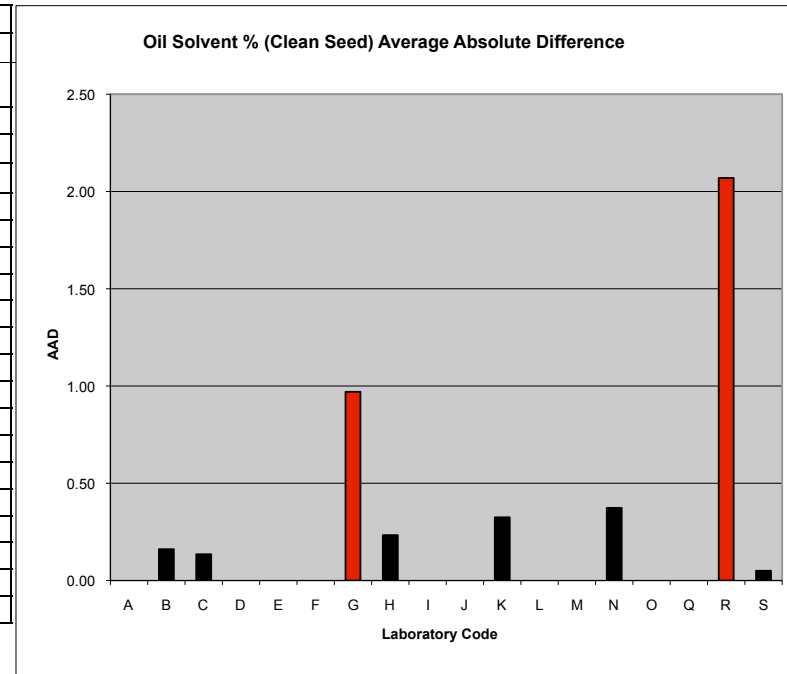
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Oil Rapid % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	46.00	-0.01	39.00	-0.25	40.95	-0.23	-0.17	0.17
B								
C	46.05	0.04	39.30	0.05	41.40	0.22	0.10	0.10
D	47.89	1.88	39.49	0.24	42.24	1.05	1.05	1.05
E	46.75	0.74	39.60	0.35	41.30	0.12	0.40	0.40
F								
G	46.00	-0.01	39.15	-0.10	41.25	0.07	-0.02	0.06
H	46.25	0.24	39.20	-0.05	41.15	-0.03	0.05	0.11
I								
J	45.93	-0.09	39.09	-0.16	40.76	-0.43	-0.23	0.23
K	45.55	-0.46	39.41	0.16	42.43	1.25	0.31	0.62
L								
M	46.35	0.34	39.20	-0.05	42.55	1.37	0.55	0.58
N	45.55	-0.46	37.90	-1.35	41.35	0.17	-0.55	0.66
O								
Q	45.90	-0.11	38.95	-0.30	41.45	0.27	-0.05	0.23
R	46.45	0.44	39.30	0.05	41.05	-0.13	0.12	0.21
S	45.40	-0.61	39.30	0.05	40.30	-0.88	-0.48	0.52
MEAN	46.01		39.25		41.18			0.38
STDEV	0.40		0.19		0.23			



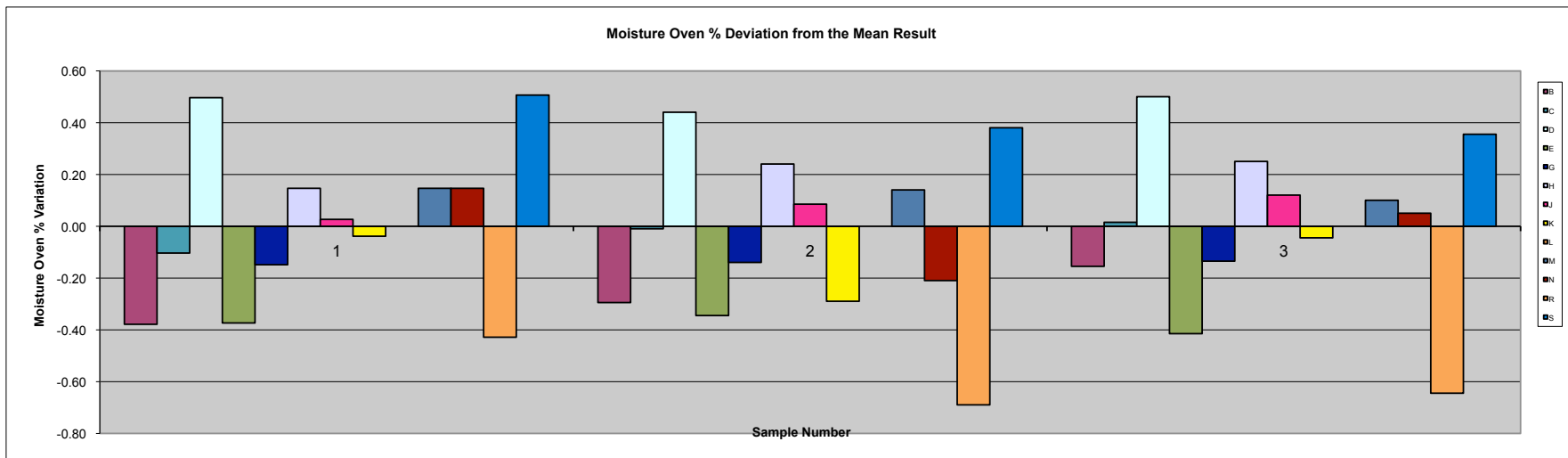
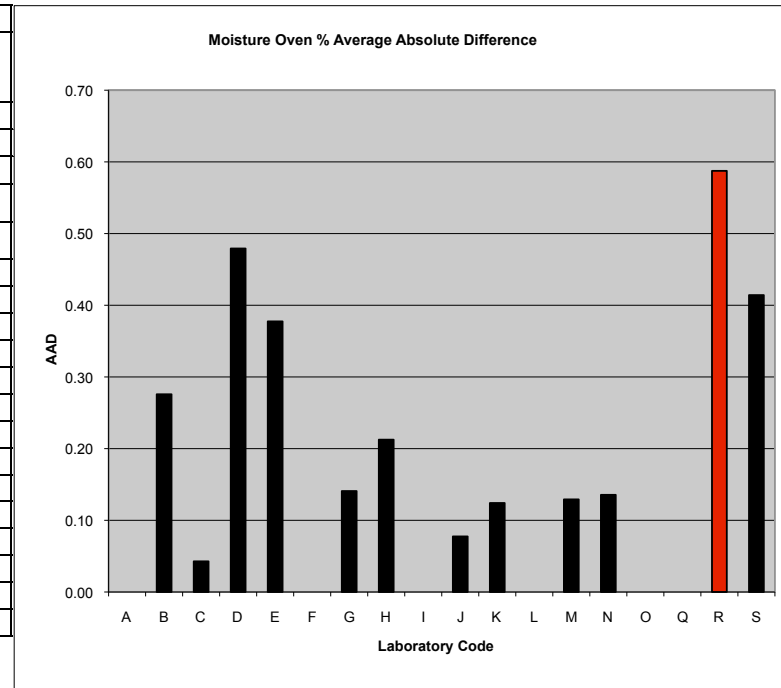
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Oil Solvent % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	46.67	0.18	39.49	0.26	41.33	-0.05	0.13	0.16
C	46.65	0.15	39.43	0.20	41.43	0.05	0.14	0.14
D								
E								
F								
G	46.47	-0.03	41.14	1.91	41.03	-0.35	0.94	0.97
H	46.35	-0.14	38.90	-0.33	41.15	-0.23	-0.23	0.23
I								
J								
K	46.14	-0.35	38.93	-0.30	41.06	-0.32	-0.32	0.32
L								
M								
N	46.69	0.20	39.33	0.10	42.20	0.82	0.37	0.37
O								
Q								
R	43.98	-2.51	41.70	2.47	42.60	1.22	0.39	2.07
S	46.50	0.01	39.30	0.07	41.45	0.07	0.05	0.05
MEAN	46.49		39.23		41.38			0.54
STDEV	0.20		0.25		0.40			



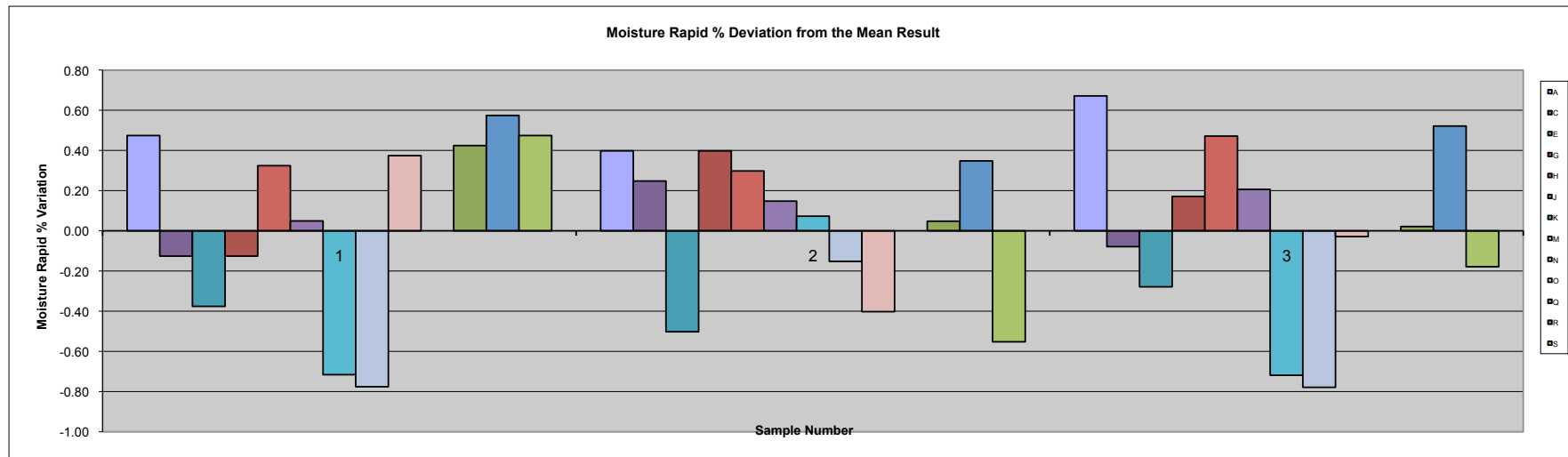
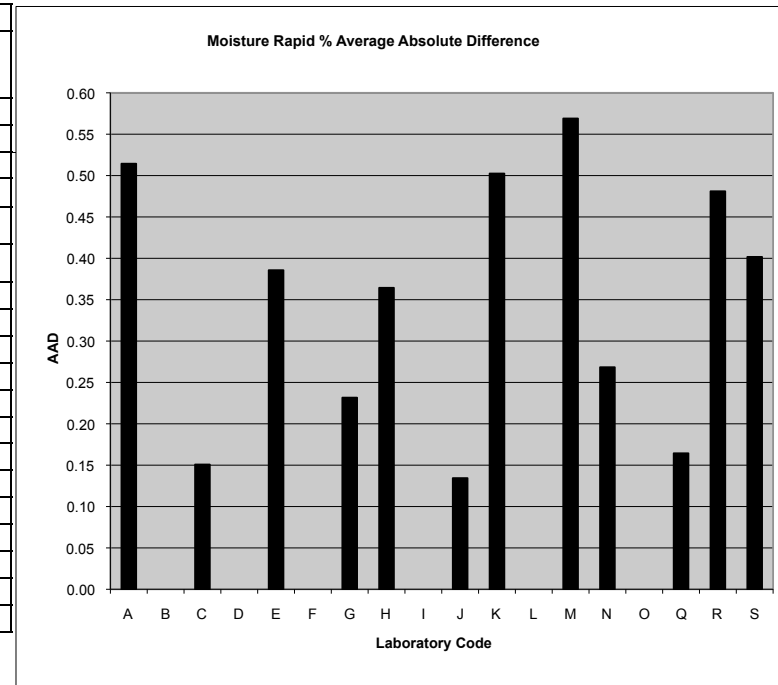
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Moisture Oven % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	4.08	-0.38	7.47	-0.29	5.40	-0.15	-0.28	0.28
C	4.35	-0.10	7.75	-0.01	5.57	0.02	-0.03	0.04
D	4.95	0.50	8.20	0.44	6.05	0.50	0.48	0.48
E	4.08	-0.37	7.42	-0.34	5.14	-0.41	-0.38	0.38
F								
G	4.31	-0.15	7.62	-0.14	5.42	-0.13	-0.14	0.14
H	4.60	0.15	8.00	0.24	5.80	0.25	0.21	0.21
I								
J	4.48	0.03	7.85	0.09	5.67	0.12	0.08	0.08
K	4.42	-0.04	7.47	-0.29	5.51	-0.04	-0.12	0.12
L								
M	4.60	0.15	7.90	0.14	5.65	0.10	0.13	0.13
N	4.60	0.15	7.55	-0.21	5.60	0.05	0.00	0.14
O								
Q								
R	4.03	-0.43	7.07	-0.69	4.91	-0.64	-0.59	0.59
S	4.96	0.51	8.14	0.38	5.91	0.36	0.41	0.41
MEAN	4.45		7.76		5.55			0.25
STDEV	0.31		0.28		0.32			



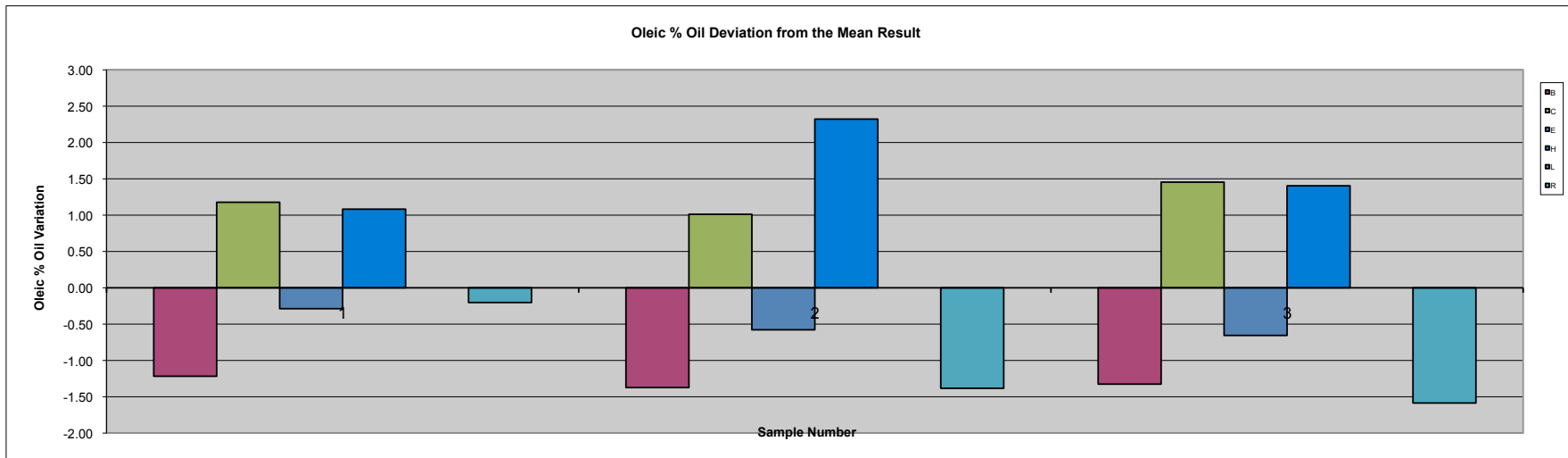
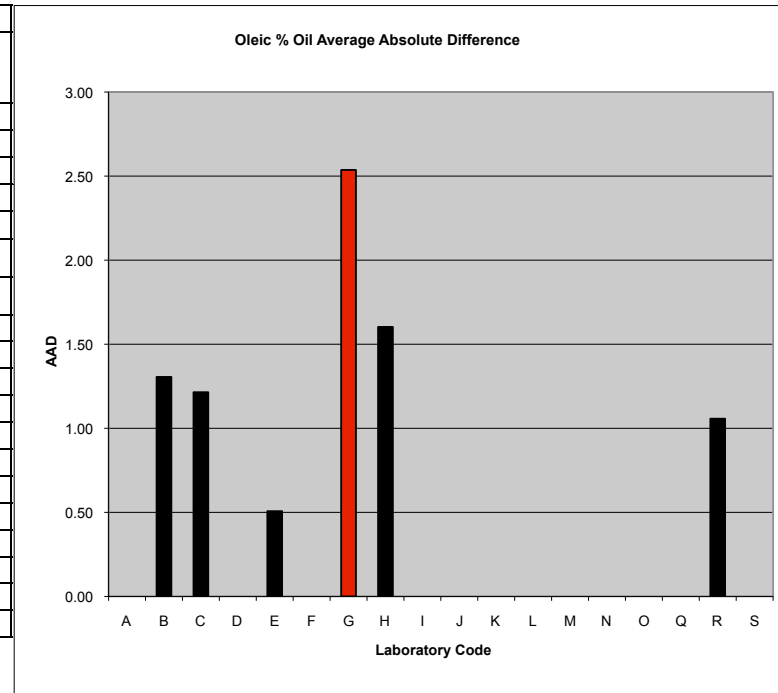
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Moisture Rapid % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	5.10	0.47	8.25	0.40	6.45	0.67	0.51	0.51
B								
C	4.50	-0.13	8.10	0.25	5.70	-0.08	0.01	0.15
D								
E	4.25	-0.38	7.35	-0.50	5.50	-0.28	-0.39	0.39
F								
G	4.50	-0.13	8.25	0.40	5.95	0.17	0.15	0.23
H	4.95	0.32	8.15	0.30	6.25	0.47	0.36	0.36
I								
J	4.68	0.05	8.00	0.15	5.99	0.21	0.13	0.13
K	3.91	-0.72	7.93	0.07	5.06	-0.72	-0.45	0.50
L								
M	3.85	-0.78	7.70	-0.15	5.00	-0.78	-0.57	0.57
N	5.00	0.37	7.45	-0.40	5.75	-0.03	-0.02	0.27
O								
Q	5.05	0.42	7.90	0.05	5.80	0.02	0.16	0.16
R	5.20	0.57	8.20	0.35	6.30	0.52	0.48	0.48
S	5.10	0.47	7.30	-0.55	5.60	-0.18	-0.09	0.40
MEAN	4.63		7.85		5.78			0.35
STDEV	0.47		0.35		0.45			



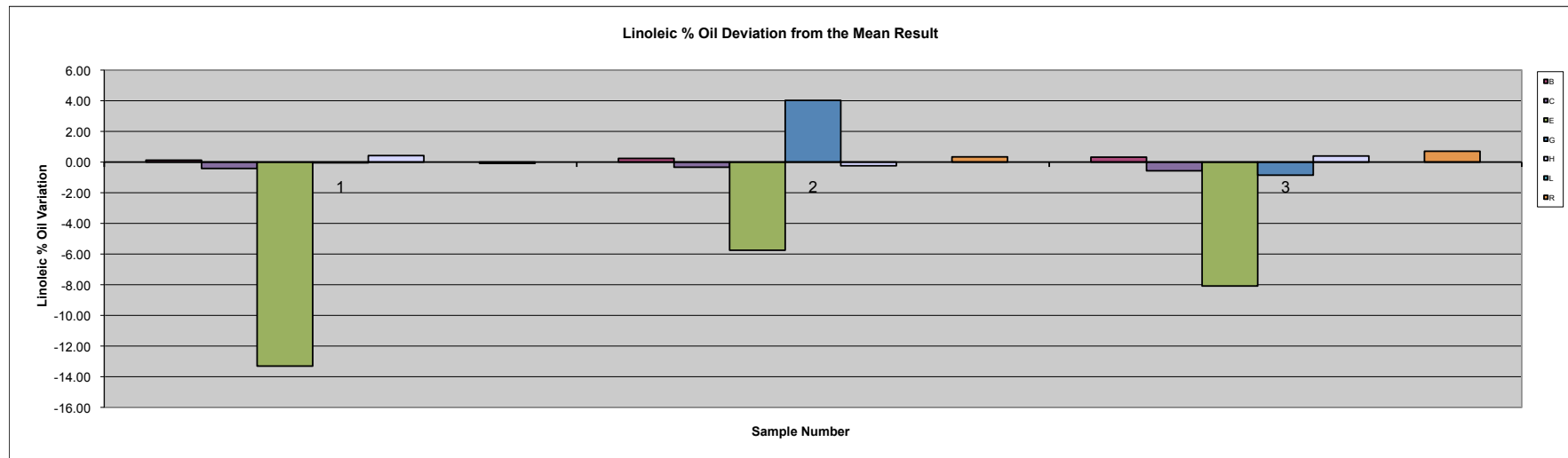
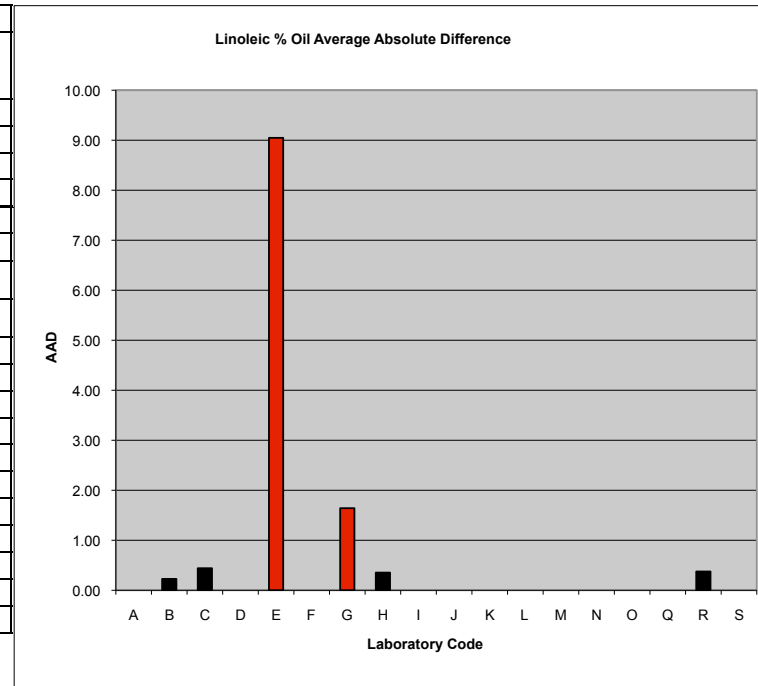
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Oleic % Oil Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	57.05	-1.22	67.86	-1.37	63.12	-1.33	-1.31	1.31
C	59.45	1.18	70.24	1.01	65.90	1.45	1.21	1.21
D								
E	57.98	-0.29	68.65	-0.58	63.79	-0.66	-0.51	0.51
F								
G	57.72	-0.55	62.88	-6.35	65.16	0.71	-2.06	2.54
H	59.35	1.08	71.55	2.32	65.85	1.40	1.60	1.60
I								
J								
K								
L								
M								
N								
O								
Q								
R	58.07	-0.20	67.85	-1.38	62.86	-1.59	-1.06	1.06
S								
MEAN	58.27		69.23		64.45			1.37
STDEV	0.95		1.62		1.36			



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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	23.40	0.12	14.38	0.24	17.73	0.32	0.23	0.23
C	22.86	-0.42	13.81	-0.34	16.84	-0.57	-0.44	0.44
D								
E	9.97	-13.31	8.39	-5.75	9.32	-8.08	-9.05	9.05
F								
G	23.23	-0.05	18.17	4.02	16.55	-0.85	1.04	1.64
H	23.70	0.42	13.90	-0.24	17.80	0.40	0.19	0.35
I								
J								
K								
L								
M								
N								
O								
Q								
R	23.20	-0.08	14.48	0.34	18.11	0.71	0.32	0.38
S								
MEAN	23.28		14.14		17.40			2.01
STDEV	0.31		0.34		0.67			



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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	0.08	-0.11	0.25	-0.06	0.44	0.00	-0.06	0.06
C	0.21	0.02	0.17	-0.13	0.35	-0.09	-0.06	0.08
D								
E	0.32	0.13	0.54	0.23	0.80	0.37	0.24	0.24
F								
G	0.28	0.09	0.59	0.28	0.53	0.10	0.16	0.16
H	0.18	-0.01	0.09	-0.22	0.38	-0.06	-0.09	0.09
I								
J								
K	0.10	-0.09	0.24	-0.07	0.27	-0.17	-0.11	0.11
L								
M								
N								
O								
Q								
R	0.15	-0.04	0.26	-0.04	0.29	-0.15	-0.08	0.08
S	0.54	0.35	1.11	0.81	1.17	0.74	0.63	0.63
MEAN	0.19		0.30		0.44			0.18
STDEV	0.09		0.19		0.18			

