



**2014 AOF Test Check Program
Monthly Report
Round 8
August - 2014**
01/08/2014 – 01/09/2014

Result Receival Dates

Lab Code	Date
A	06/08/2014
B	28/08/2014
C	31/08/2014
D	25/08/2014
E	11/08/2014
F	-
G	28/08/2014
H	29/08/2014
I	-
J	18/08/2014
K	26/08/2014
L	15/08/2014
M	21/08/2014
N	09/09/2014
O	26/08/2014
Q	19/08/2014
R	-
S	28/08/2014

Discussion of Results

Test Weight

Sample 1 – One outlier was identified for Lab **D** with a 2.51 h/L discrepancy from the lower quartile limit (64.47 h/L).

Sample 2 – One outlier was identified for Lab **D** with a 3.01 h/L discrepancy from the lower quartile limit (66.71 h/L).

Sample 3 – One outlier was identified for Lab **B** with a 0.46 h/L discrepancy from the upper quartile limit (66.04 h/L).



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Impurities

Sample 1 – No outliers were observed.

Sample 2 – No outliers were observed.

Sample 3 – Outliers were identified for Lab **B** and **G**. Lab **B** was 0.65 of a percent discrepancy from the upper quartile limit (3.96%). Lab **G** was 0.08 of a percent discrepancy from the lower quartile limit (1.78%).

Oil Rapid

Sample 1 – Outliers, identified for Lab **D** and **Q**, were 0.18 and 0.61 of a percent discrepancy, respectively, from the upper quartile limit (42.69%).

Sample 2 – One outlier was identified for Lab **N** with a 0.48 of a percent discrepancy from the lower quartile limit (38.58%).

Sample 3 – One outlier was identified for Lab **D** with a 0.33 of a percent discrepancy from the upper quartile limit (45.98%).

Oil Solvent Extraction

Sample 1 – Outliers were identified for Lab **N** and **S**. Lab **N** was 0.12 of a percent discrepancy from the upper quartile limit (42.31%). Lab **S** was 0.83 of a percent discrepancy from the lower quartile limit (41.33%).

Sample 2 – One outlier was identified for Lab **S** with a 0.12 of a percent discrepancy from the lower quartile limit (38.22%).

Sample 3 – One outlier was identified for Lab **S** with a 0.15 of a percent discrepancy from the lower quartile limit (44.35%).

Moisture Oven

Sample 1 – One outlier was identified for Lab **D** with a 0.32 of a percent discrepancy from the upper quartile limit (7.24%).

Sample 2 – One outlier was identified for Lab **D** with a 0.30 of a percent discrepancy from the upper quartile limit (8.20%).

Sample 3 – Outliers were identified for Lab **C**, **D** and **S**. Lab **C** and **D** result in a 0.02 and 0.27 of a percent discrepancy, respectively, from the upper quartile limit (5.68%). Lab **S** was 0.07 of a percent discrepancy from the lower quartile limit (5.06%).



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Moisture Rapid

Sample 1 – No outliers were observed.

Sample 2 – No outliers were observed.

Sample 3 – One outlier was identified for Lab **K** with a 0.03 of a percent discrepancy from the lower quartile limit (4.80%).

Oleic Oil

No outliers were observed for this test

Linoleic Oil

No outliers were observed for this test

Free Fatty Acid

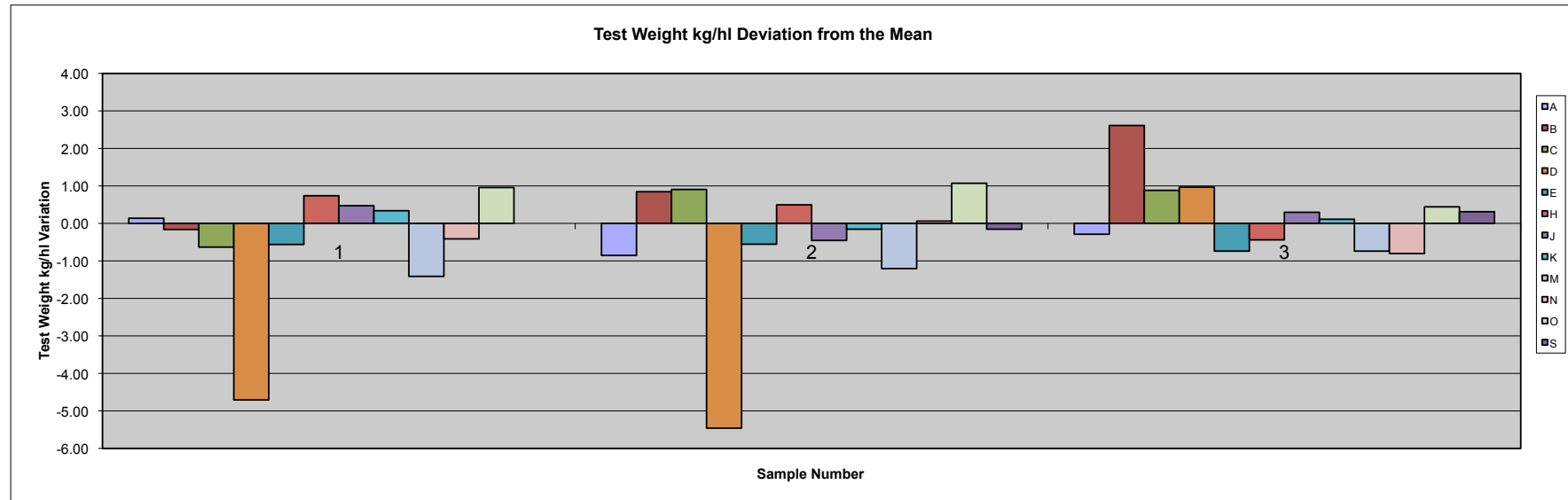
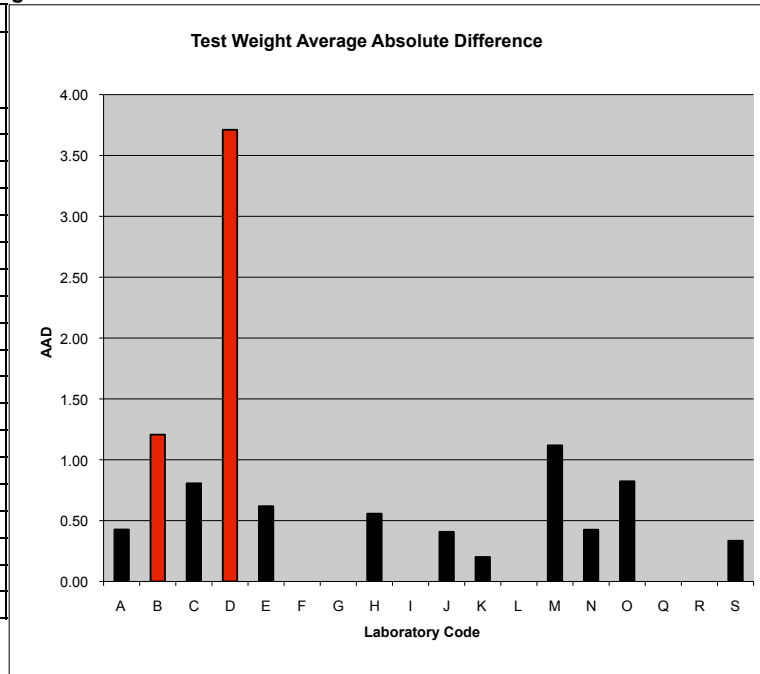
Sample 1 – No outliers were observed.

Sample 2 – No outliers were observed.

Sample 3 – One outlier was identified for Lab **E** with a 0.1 of a percent discrepancy from the upper quartile limit (0.60%).

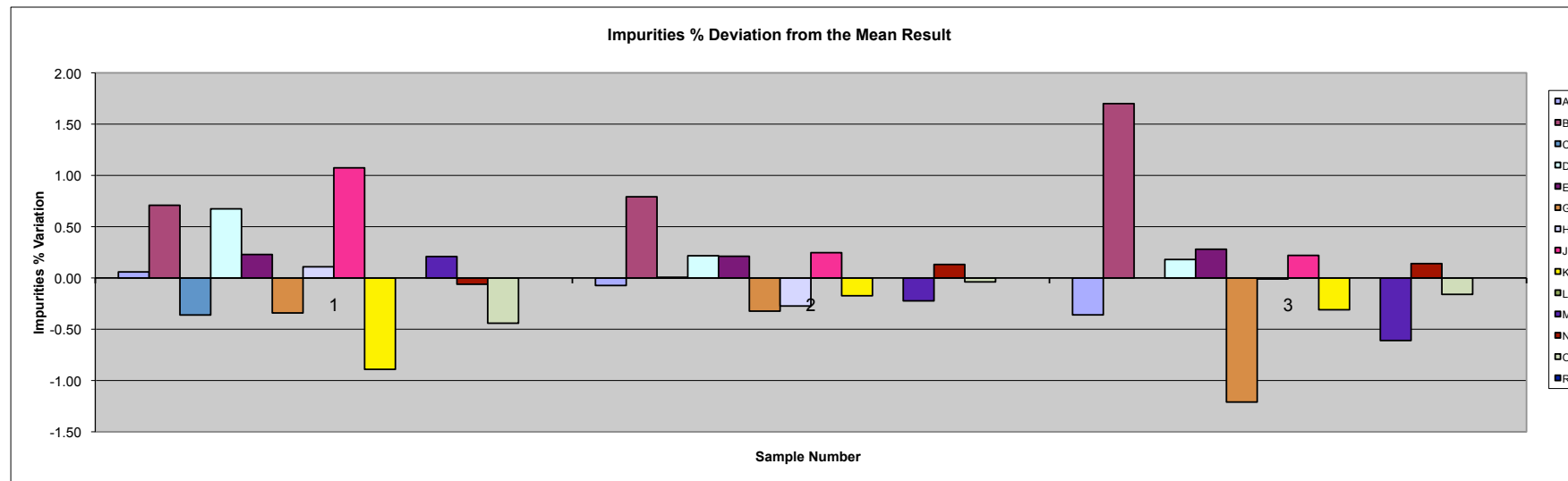
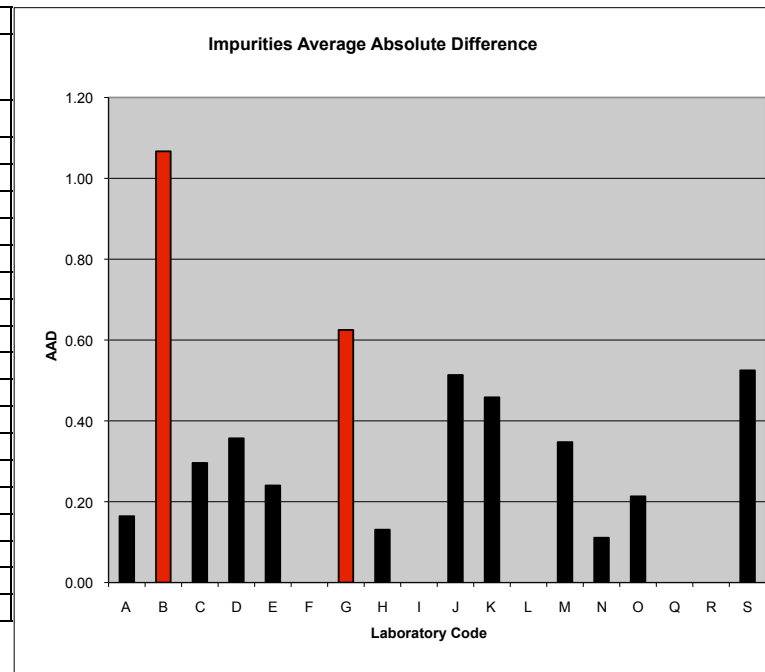
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Test Weight kg/hl								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	66.80	0.14	68.30	-0.85	63.60	-0.29	-0.34	0.43
B	66.50	-0.16	70.00	0.85	66.50	2.61	1.10	1.21
C	66.03	-0.63	70.06	0.91	64.77	0.88	0.38	0.81
D	61.96	-4.71	63.70	-5.46	64.86	0.97	-3.07	3.71
E	66.10	-0.56	68.60	-0.55	63.15	-0.74	-0.62	0.62
F								
G								
H	67.40	0.74	69.65	0.50	63.45	-0.44	0.26	0.56
I								
J	67.14	0.47	68.70	-0.45	64.19	0.30	0.10	0.41
K	67.00	0.34	69.00	-0.15	64.00	0.11	0.10	0.20
L								
M	65.25	-1.41	67.95	-1.20	63.15	-0.74	-1.12	1.12
N	66.25	-0.41	69.22	0.06	63.09	-0.80	-0.39	0.43
O	67.62	0.96	70.23	1.07	64.33	0.44	0.82	0.82
Q								
R								
S	66.66	0.00	69.00	-0.15	64.20	0.31	0.23	0.33
MEAN	66.66		69.15		63.89			0.89
STDEV	0.71		0.75		0.64			



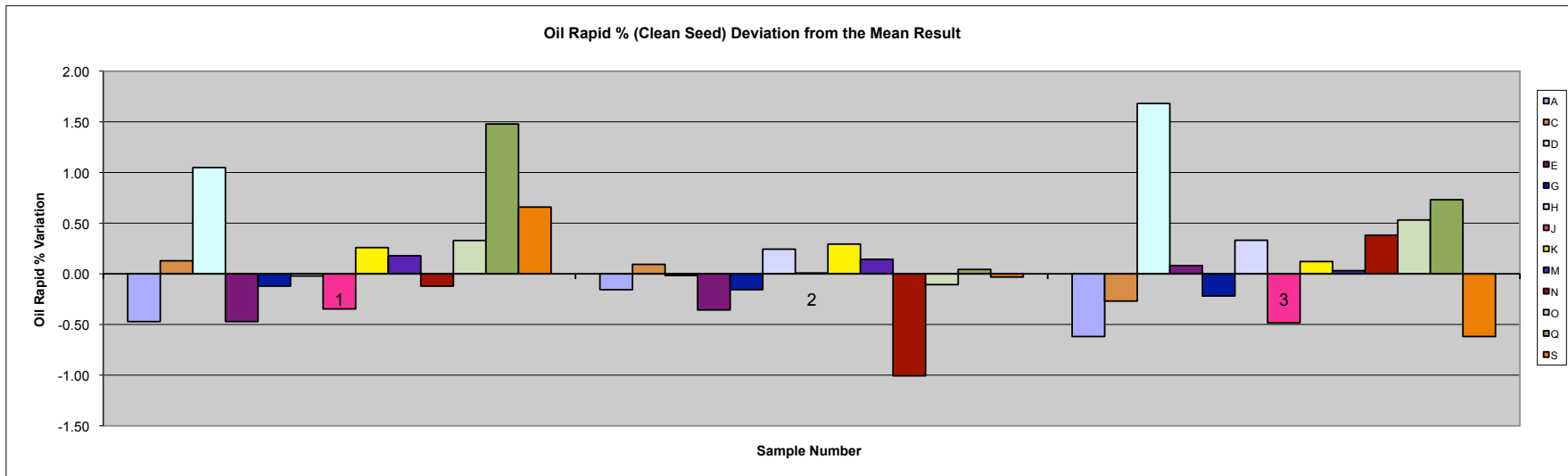
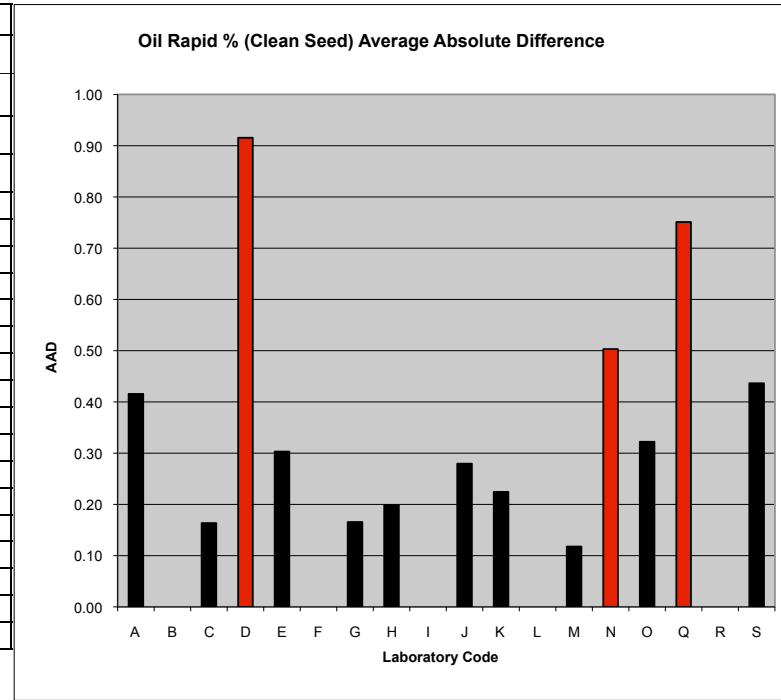
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Impurities %								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	2.75	0.06	1.10	-0.07	2.55	-0.36	-0.12	0.16
B	3.40	0.71	1.97	0.79	4.61	1.70	1.07	1.07
C	2.33	-0.36	1.18	0.01	3.43	0.52	0.06	0.30
D	3.37	0.67	1.39	0.22	3.09	0.18	0.36	0.36
E	2.92	0.23	1.39	0.21	3.19	0.28	0.24	0.24
F								
G	2.35	-0.34	0.85	-0.32	1.70	-1.21	-0.62	0.62
H	2.80	0.11	0.90	-0.27	2.90	-0.01	-0.06	0.13
I								
J	3.77	1.07	1.42	0.25	3.13	0.22	0.51	0.51
K	1.80	-0.89	1.00	-0.17	2.60	-0.31	-0.46	0.46
L								
M	2.90	0.21	0.95	-0.22	2.30	-0.61	-0.21	0.35
N	2.63	-0.06	1.31	0.13	3.05	0.14	0.07	0.11
O	2.25	-0.44	1.14	-0.04	2.75	-0.16	-0.21	0.21
Q								
R								
S	1.73	-0.97	0.68	-0.50	3.02	0.11	-0.45	0.52
MEAN	2.69		1.17		2.91			0.39
STDEV	0.61		0.33		0.33			



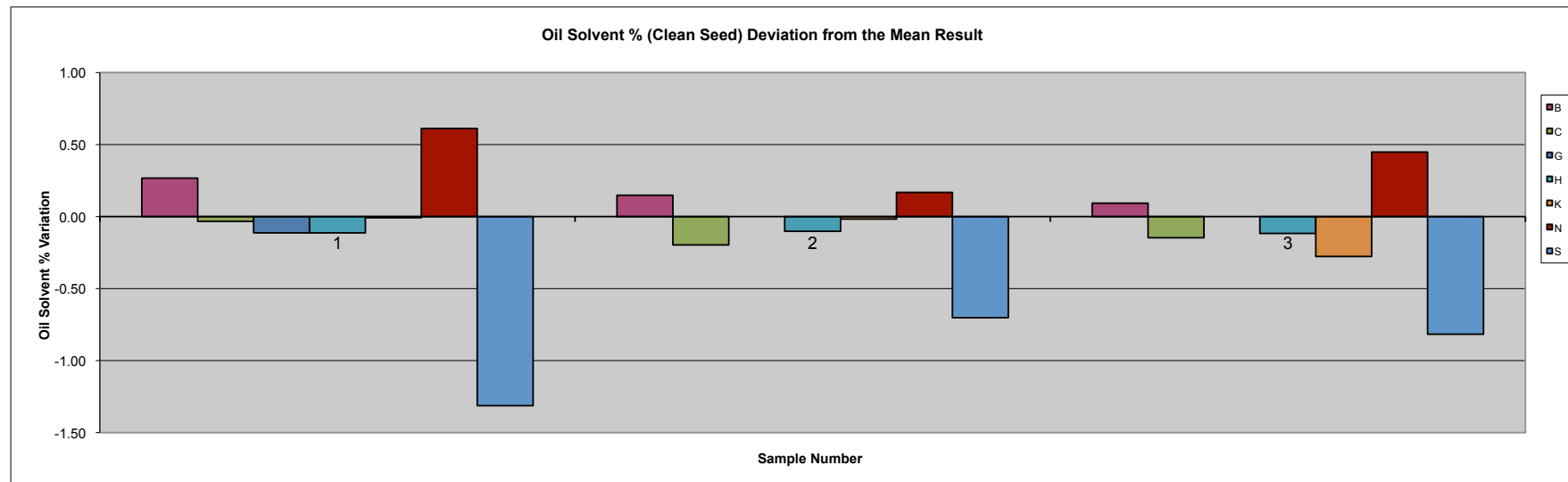
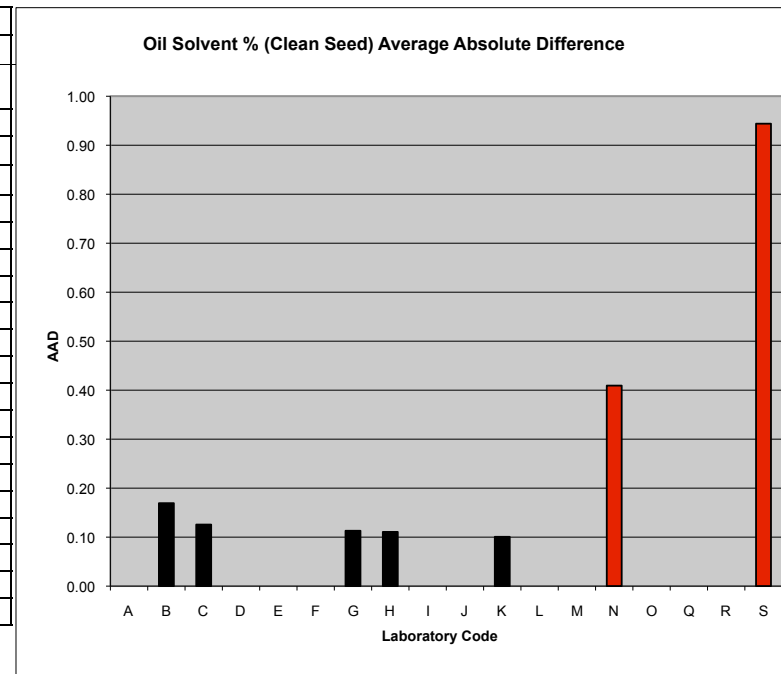
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Oil Rapid % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	41.35	-0.47	38.95	-0.16	44.00	-0.62	-0.42	0.42
B								
C	41.95	0.13	39.20	0.09	44.35	-0.27	-0.02	0.16
D	42.87	1.05	39.09	-0.02	46.30	1.68	0.90	0.92
E	41.35	-0.47	38.75	-0.36	44.70	0.08	-0.25	0.30
F								
G	41.70	-0.12	38.95	-0.16	44.40	-0.22	-0.17	0.17
H	41.80	-0.02	39.35	0.24	44.95	0.33	0.18	0.20
I								
J	41.48	-0.35	39.12	0.01	44.14	-0.48	-0.27	0.28
K	42.08	0.26	39.40	0.29	44.74	0.12	0.22	0.22
L								
M	42.00	0.18	39.25	0.14	44.65	0.03	0.12	0.12
N	41.70	-0.12	38.10	-1.01	45.00	0.38	-0.25	0.50
O	42.15	0.33	39.00	-0.11	45.15	0.53	0.25	0.32
Q	43.30	1.48	39.15	0.04	45.35	0.73	0.75	0.75
R								
S	42.48	0.66	39.08	-0.03	44.00	-0.62	0.00	0.44
MEAN	41.82		39.11		44.62			0.37
STDEV	0.35		0.18		0.45			



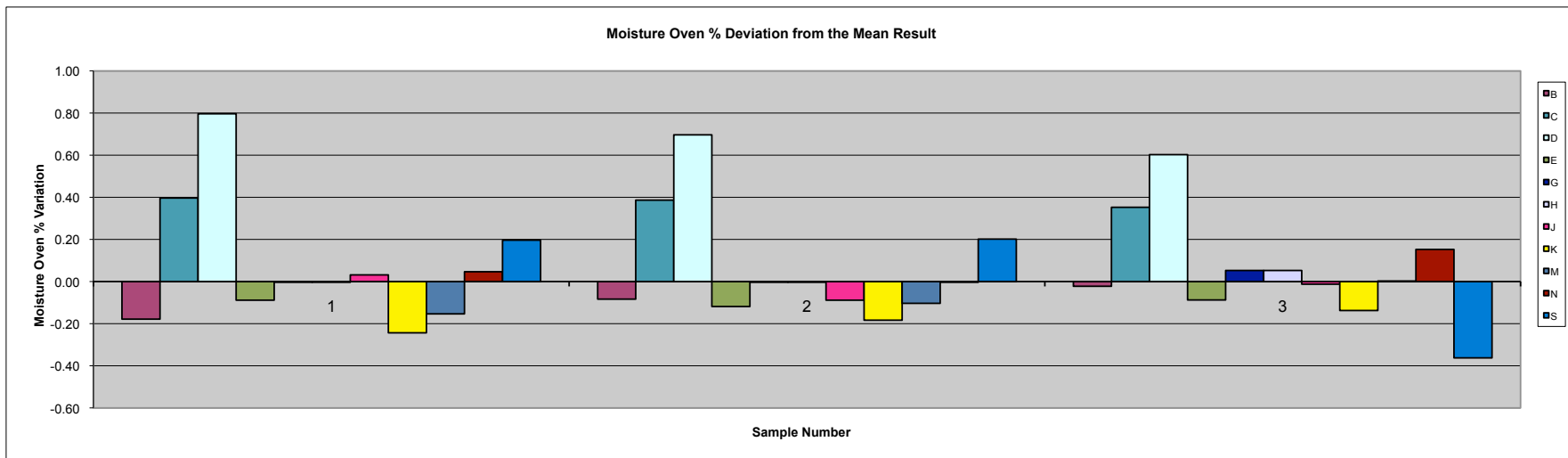
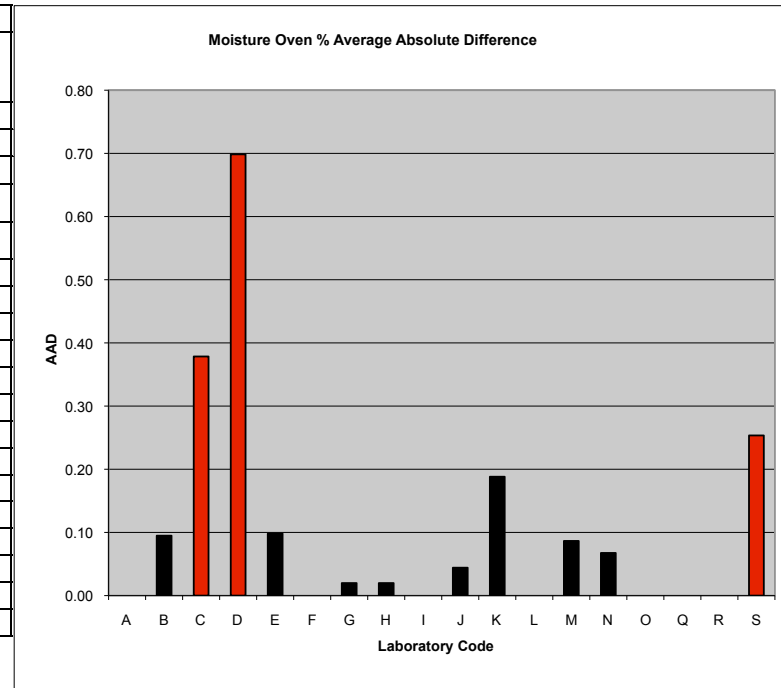
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Oil Solvent % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	42.08	0.27	38.95	0.15	45.11	0.09	0.17	0.17
C	41.78	-0.03	38.61	-0.20	44.87	-0.15	-0.13	0.13
D								
E								
F								
G	41.70	-0.11					-0.11	0.11
H	41.70	-0.11	38.70	-0.10	44.90	-0.12	-0.11	0.11
I								
J								
K	41.81	-0.01	38.79	-0.02	44.74	-0.28	-0.10	0.10
L								
M								
N	42.43	0.61	38.97	0.17	45.47	0.45	0.41	0.41
O								
Q								
R								
S	40.50	-1.31	38.10	-0.70	44.20	-0.82	-0.94	0.94
MEAN	41.81		38.80		45.02			0.28
STDEV	0.16		0.16		0.28			



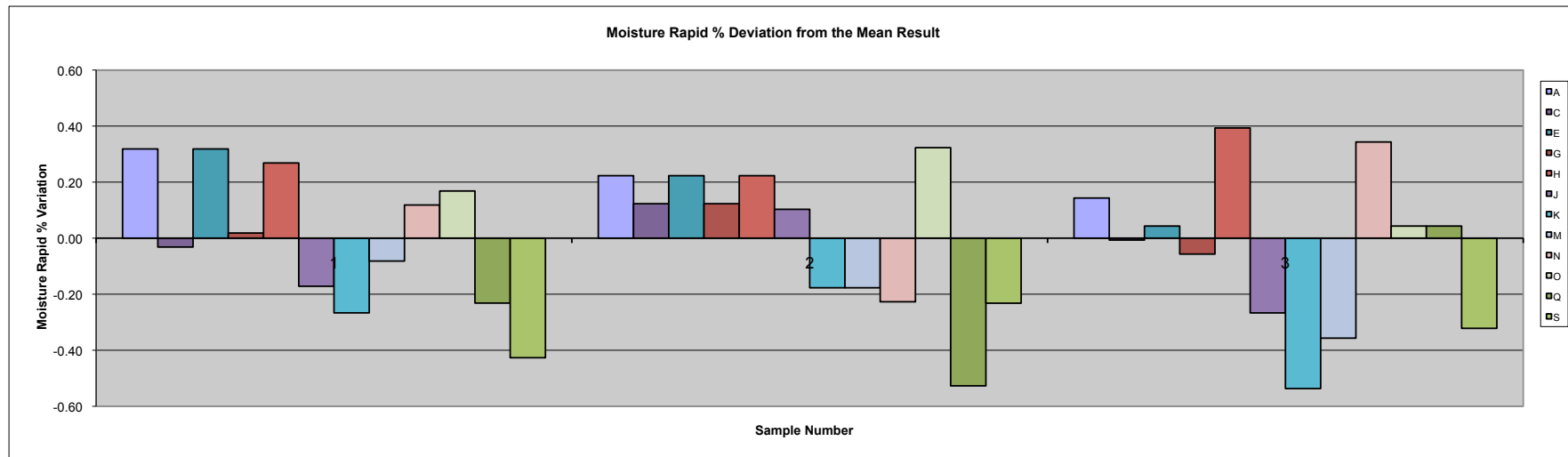
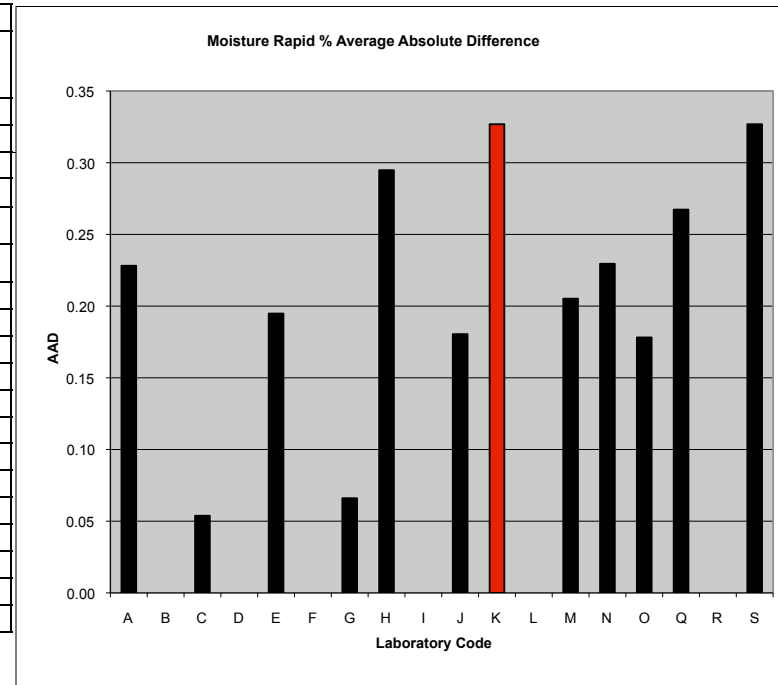
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Moisture Oven % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	6.58	-0.18	7.72	-0.08	5.33	-0.02	-0.09	0.09
C	7.15	0.40	8.19	0.39	5.70	0.35	0.38	0.38
D	7.55	0.80	8.50	0.70	5.95	0.60	0.70	0.70
E	6.67	-0.09	7.69	-0.12	5.26	-0.09	-0.10	0.10
F								
G	6.75	0.00	7.80	0.00	5.40	0.05	0.02	0.02
H	6.75	0.00	7.80	0.00	5.40	0.05	0.02	0.02
I								
J	6.79	0.03	7.72	-0.09	5.34	-0.01	-0.02	0.04
K	6.51	-0.24	7.62	-0.18	5.21	-0.14	-0.19	0.19
L								
M	6.60	-0.15	7.70	-0.10	5.35	0.00	-0.08	0.09
N	6.80	0.05	7.80	0.00	5.50	0.15	0.07	0.07
O								
Q								
R								
S	6.95	0.20	8.01	0.20	4.99	-0.36	0.01	0.25
MEAN	6.75		7.80		5.35			0.18
STDEV	0.19		0.17		0.09			



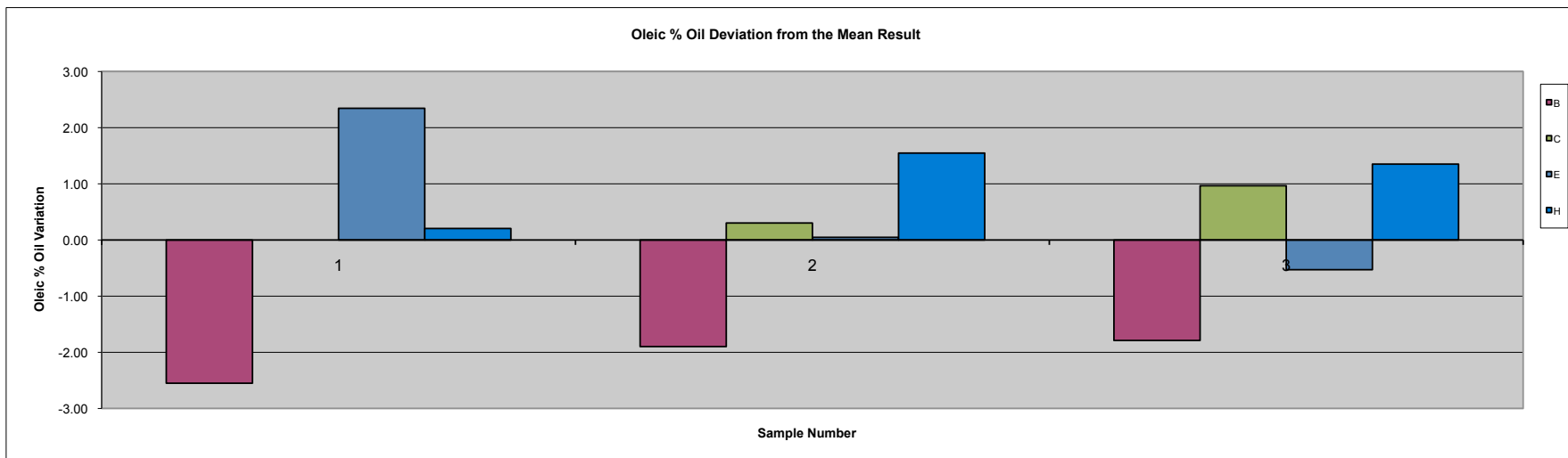
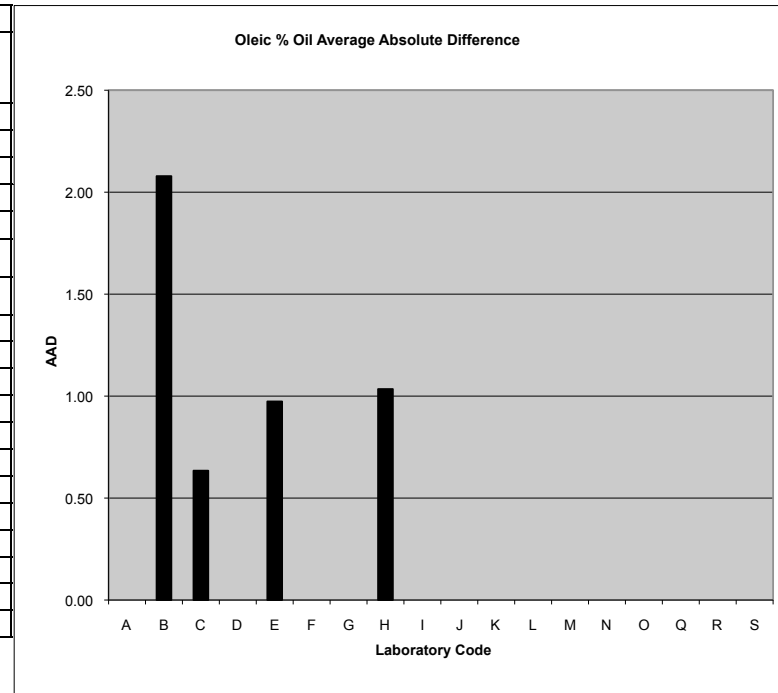
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Moisture Rapid % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	6.75	0.32	8.15	0.22	5.45	0.14	0.23	0.23
B								
C	6.40	-0.03	8.05	0.12	5.30	-0.01	0.03	0.05
D								
E	6.75	0.32	8.15	0.22	5.35	0.04	0.19	0.19
F								
G	6.45	0.02	8.05	0.12	5.25	-0.06	0.03	0.07
H	6.70	0.27	8.15	0.22	5.70	0.39	0.29	0.29
I								
J	6.26	-0.17	8.03	0.10	5.04	-0.27	-0.11	0.18
K	6.17	-0.27	7.75	-0.18	4.77	-0.54	-0.33	0.33
L								
M	6.35	-0.08	7.75	-0.18	4.95	-0.36	-0.21	0.21
N	6.55	0.12	7.70	-0.23	5.65	0.34	0.08	0.23
O	6.60	0.17	8.25	0.32	5.35	0.04	0.18	0.18
Q	6.20	-0.23	7.40	-0.53	5.35	0.04	-0.24	0.27
R								
S	6.01	-0.43	7.70	-0.23	4.99	-0.32	-0.33	0.33
MEAN	6.43		7.93		5.31			0.21
STDEV	0.25		0.26		0.25			



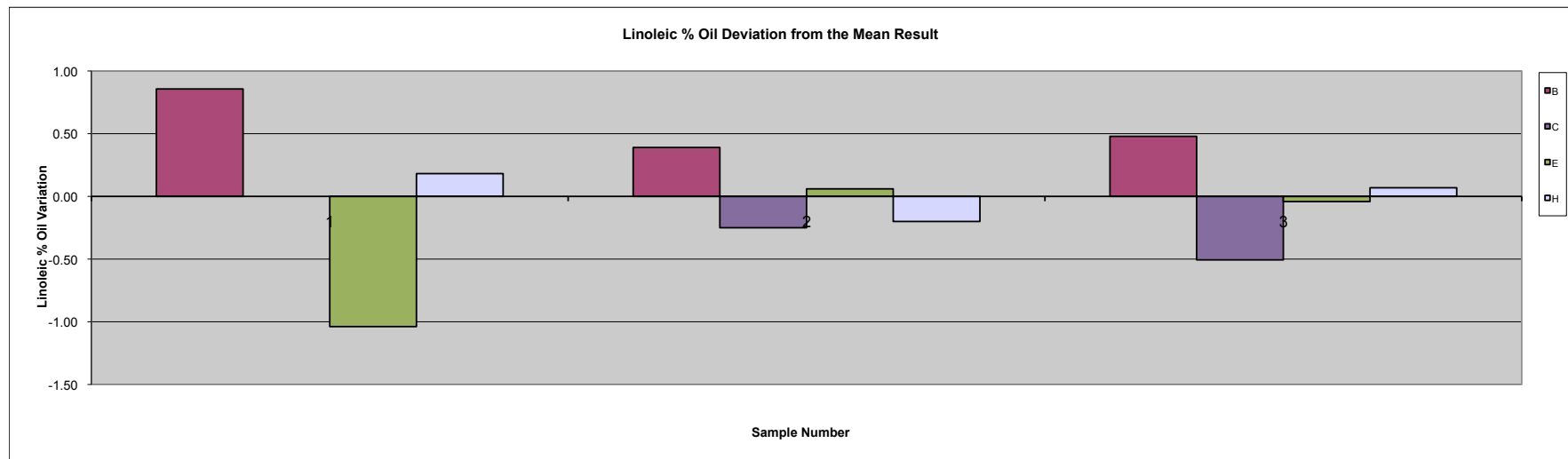
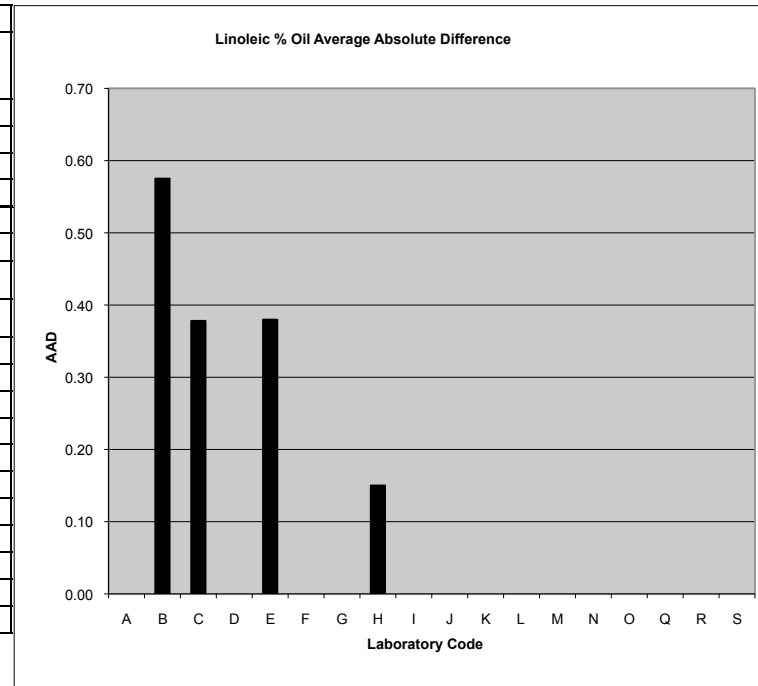
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Oleic % Oil Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	65.40	-2.55	67.11	-1.90	60.11	-1.79	-2.08	2.08
C			69.31	0.30	62.87	0.97	0.63	0.63
D								
E	70.29	2.35	69.05	0.05	61.37	-0.53	0.62	0.97
F								
G								
H	68.15	0.20	70.55	1.55	63.25	1.35	1.03	1.03
I								
J								
K								
L								
M								
N								
O								
Q								
R								
S								
MEAN	67.95		69.00		61.90			1.18
STDEV	2.45		1.42		1.44			



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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	16.18	0.86	14.89	0.39	20.11	0.48	0.58	0.58
C			14.25	-0.25	19.13	-0.51	-0.38	0.38
D								
E	14.28	-1.04	14.56	0.06	19.59	-0.04	-0.34	0.38
F								
G								
H	15.50	0.18	14.30	-0.20	19.70	0.07	0.02	0.15
I								
J								
K								
L								
M								
N								
O								
Q								
R								
S								
MEAN	15.32		14.50		19.63			0.37
STDEV	0.96		0.29		0.40			



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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	0.53	-0.30	0.22	-0.19	0.09	-0.08	-0.19	0.19
C	0.57	-0.26	0.71	0.30	0.32	0.15	0.06	0.24
D								
E	1.53	0.70	0.54	0.13	0.70	0.53	0.45	0.45
F								
G	0.97	0.14	0.55	0.14				
H	0.47	-0.36	0.20	-0.21	0.08	-0.09	-0.22	0.22
I								
J								
K	0.62	-0.21	0.25	-0.16	0.13	-0.04	-0.14	0.14
L								
M								
N								
O								
Q								
R								
S	1.11	0.28	0.39	-0.02	0.24	0.07	0.11	0.12
MEAN	0.83		0.41		0.17			0.23
STDEV	0.39		0.20		0.10			

