



**2014 AOF Test Check Program
Monthly Report
Round 10
October 2014**

01/10//2014 – 01/11/2014

Result Receival Dates

Lab Code	Date
A	10/10/2014
B	31/10/2014
C	31/10/2014
D	20/10/2014
E	10/10/2014
F	-
G	31/10/2014
H	31/10/2014
I	-
J	16/10/2014
K	30/10/2014
L	20/10/2014
M	03/11/2014
N	16/10/2014
O	15/10/2014
Q	10/10/2014
R	27/10/2014
S	27/10/2014

Discussion of Results

Test Weight

Sample 1 – One outlier was identified for Lab **D** with a 5.96 h/L discrepancy from the lower quartile limit (63.15 h/L).

Sample 2 – Outliers identified for labs **D** and **E** were 8.37 and 3.20 h/L, respectively, from the lower quartile limit (67.50 h/L).

Sample 3 – One outlier was identified for Lab **D** with a 1.61 h/L discrepancy from the lower quartile limit (63.35 h/L).



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Impurities

Sample 1 – One outlier was identified for Lab **C** with a 0.63 of a percent discrepancy from the upper quartile limit (3.37%).

Sample 2 – No outliers were observed.

Sample 3 – No outliers were observed.

Oil Rapid

Sample 1 – One outlier was identified for Lab **N** with a 0.33 of a percent discrepancy from the lower quartile limit (38.43%).

Sample 2 – Outliers were identified for Lab **D**, **K**, **M** and **S**. Lab **D**, **K** and **M** result in a 0.1, 0.35 and 0.74 of a percent discrepancy, respectively, from the upper quartile limit (42.56%). Lab **S** was 0.31 of a percent discrepancy from the lower quartile limit (40.36%).

Sample 3 – One outlier was identified for Lab **D** with a 0.13 of a percent discrepancy from the upper quartile limit (45.68%).

Oil Solvent Extraction

Sample 1 – One outlier was identified for Lab **L** with a 1.09 of a percent discrepancy from the lower quartile limit (38.03%).

Sample 2 – One outlier was identified for Lab **G** with a 0.97 of a percent discrepancy from the lower quartile limit (40.01%).

Sample 3 – No outliers were observed.

Moisture Oven

Sample 1 – Outliers were identified for Lab **D** and **E**. Lab **D** was 0.20 of a percent discrepancy from the upper quartile limit (8.1%). Lab **E** was 1.38 of a percent discrepancy from the lower quartile limit (7.30%).

Sample 2 – Outliers were identified for Lab **D** and **M**. Lab **D** was 0.17 of a percent discrepancy from the upper quartile limit (5.53%). Lab **M** was 0.20 of a percent discrepancy from the lower quartile limit (4.25%).

Sample 3 – One outlier was identified for Lab **D** with a 0.53 of a percent discrepancy from the upper quartile limit (5.73%).



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Moisture Rapid

No outliers were observed for this test.

Oleic Oil

No outliers were observed for this test.

Linoleic Oil

Sample 1 – One outlier was identified for Lab **E** with a 0.35 of a percent discrepancy from the lower quartile limit (12.59%).

Sample 2 – One outlier was identified for Lab **E** with a 7.85 of a percent discrepancy from the lower quartile limit (16.64%).

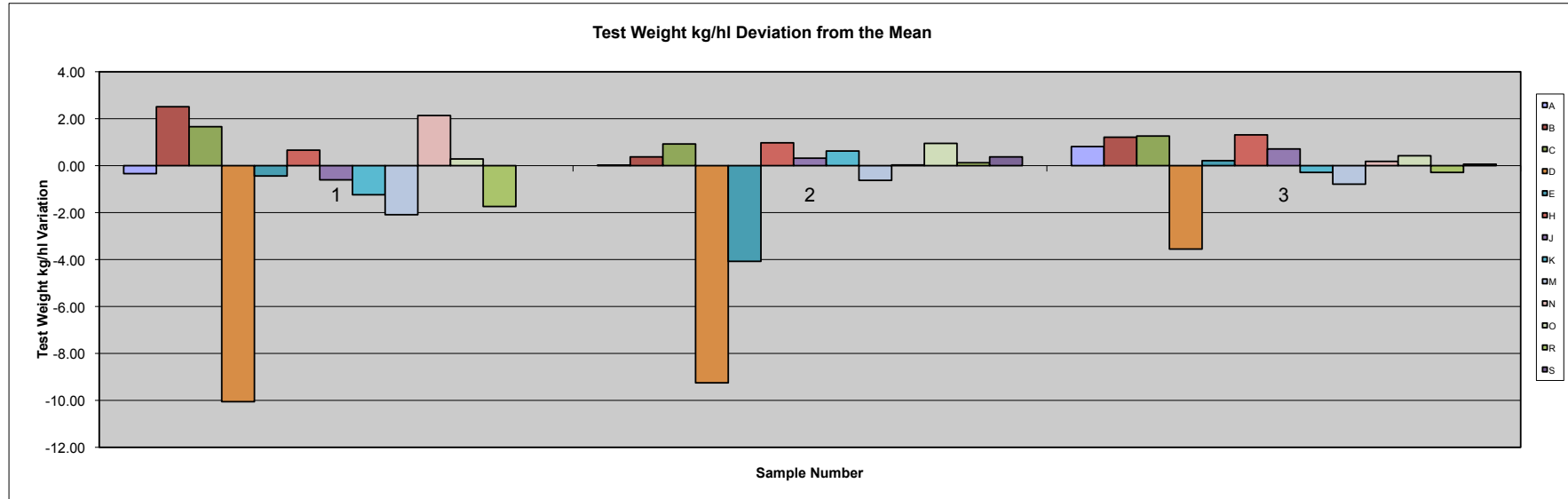
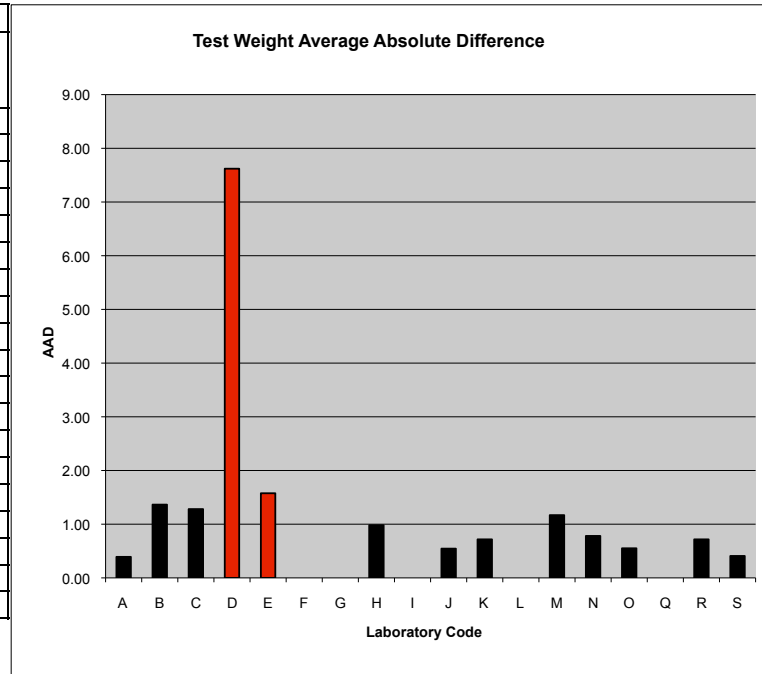
Sample 3 – One outlier was identified for Lab **E** with a 8.92 of a percent discrepancy from the lower quartile limit (17.59%).

Free Fatty Acid

No outliers were observed for this test.

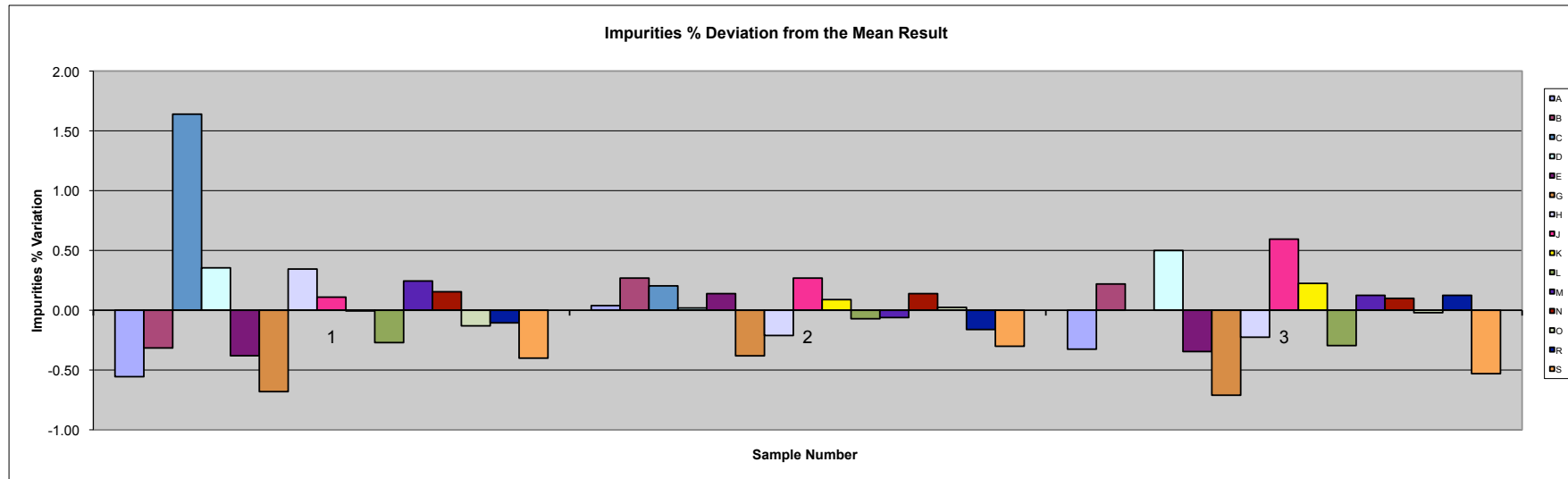
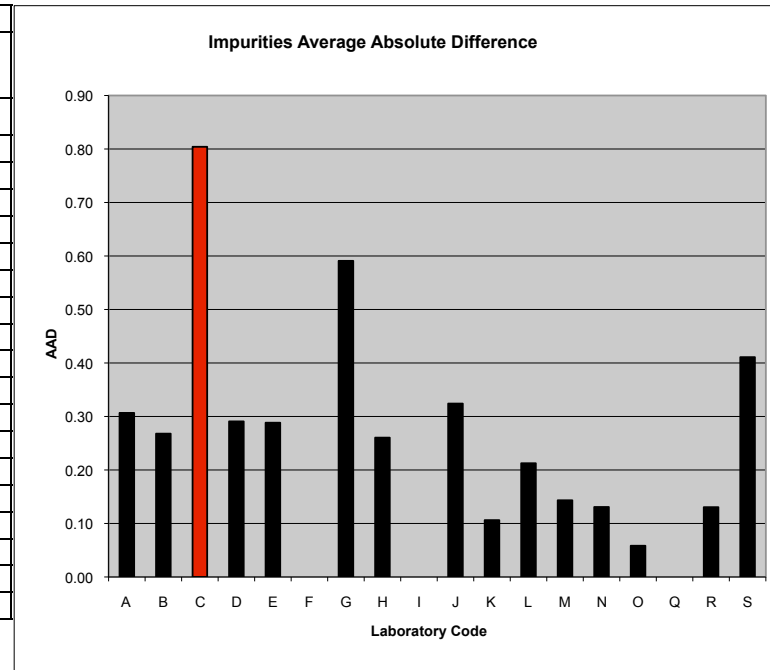
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Test Weight kg/hl								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	66.90	-0.34	68.40	0.02	66.10	0.81	0.16	0.39
B	69.75	2.51	68.75	0.37	66.50	1.21	1.36	1.36
C	68.90	1.66	69.30	0.92	66.55	1.26	1.28	1.28
D	57.19	-10.06	59.13	-9.25	61.74	-3.55	-7.62	7.62
E	66.80	-0.44	64.30	-4.08	65.50	0.21	-1.44	1.58
F								
G								
H	67.90	0.66	69.35	0.97	66.60	1.31	0.98	0.98
I								
J	66.64	-0.61	68.70	0.32	66.00	0.71	0.14	0.54
K	66.00	-1.24	69.00	0.62	65.00	-0.29	-0.30	0.72
L								
M	65.15	-2.09	67.75	-0.63	64.50	-0.79	-1.17	1.17
N	69.38	2.13	68.41	0.03	65.47	0.18	0.78	0.78
O	67.53	0.28	69.33	0.95	65.71	0.42	0.55	0.55
Q								
R	65.50	-1.74	68.50	0.12	65.00	-0.29	-0.64	0.72
S	67.24	0.00	68.75	0.37	65.35	0.06	-0.12	0.41
MEAN	67.24		68.38		65.29			1.39
STDEV	1.49		1.37		1.28			



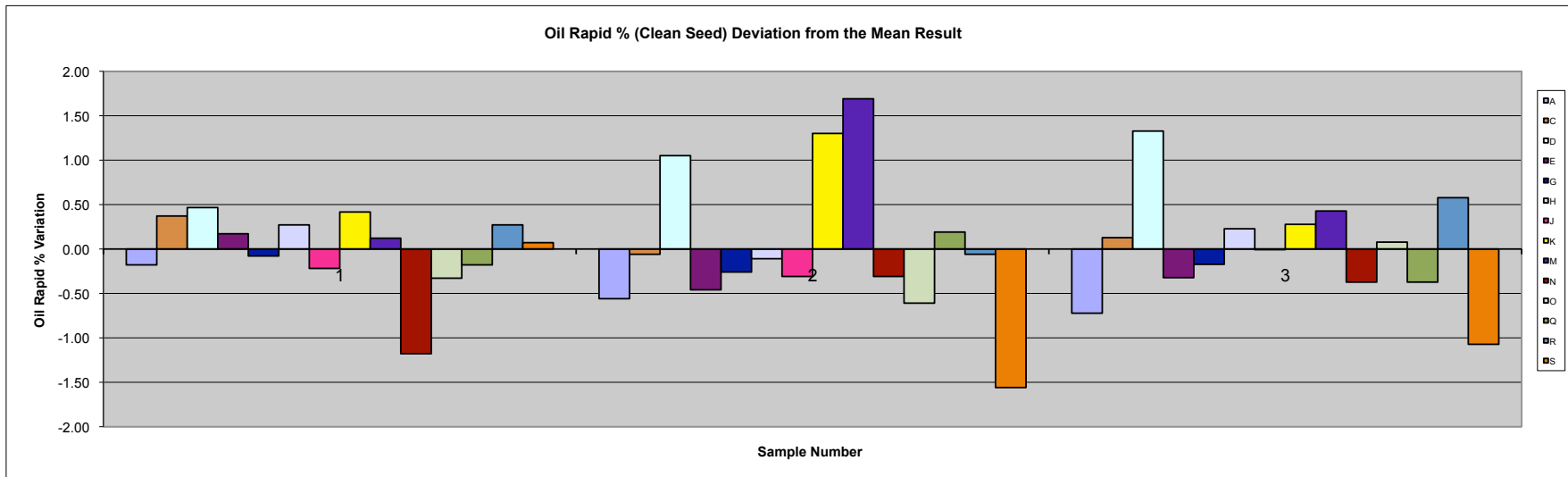
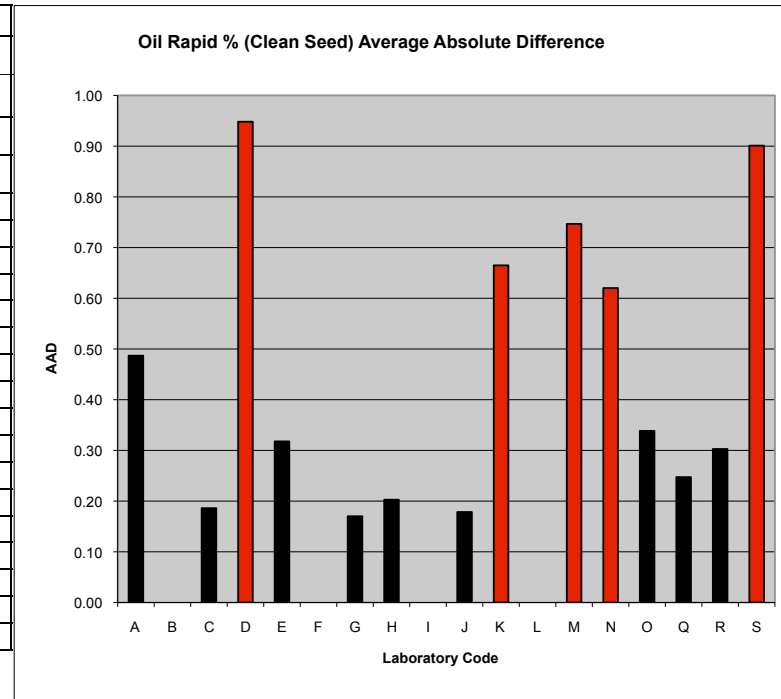
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Impurities %								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	1.80	-0.56	0.95	0.04	1.60	-0.33	-0.28	0.31
B	2.04	-0.32	1.18	0.27	2.15	0.22	0.06	0.27
C	4.00	1.64	1.12	0.20	2.50	0.57	0.80	0.80
D	2.71	0.35	0.93	0.02	2.43	0.50	0.29	0.29
E	1.98	-0.38	1.05	0.14	1.58	-0.35	-0.20	0.29
F								
G	1.68	-0.68	0.53	-0.38	1.22	-0.71	-0.59	0.59
H	2.70	0.34	0.70	-0.21	1.70	-0.23	-0.03	0.26
I								
J	2.47	0.11	1.18	0.27	2.52	0.59	0.32	0.32
K	2.35	-0.01	1.00	0.09	2.15	0.22	0.10	0.11
L	2.09	-0.27	0.84	-0.07	1.63	-0.30	-0.21	0.21
M	2.60	0.24	0.85	-0.06	2.05	0.12	0.10	0.14
N	2.51	0.15	1.05	0.14	2.03	0.10	0.13	0.13
O	2.23	-0.13	0.94	0.02	1.91	-0.02	-0.04	0.06
Q								
R	2.25	-0.11	0.75	-0.16	2.05	0.12	-0.05	0.13
S	1.96	-0.40	0.61	-0.30	1.40	-0.53	-0.41	0.41
MEAN	2.36		0.91		1.93			0.29
STDEV	0.55		0.20		0.40			



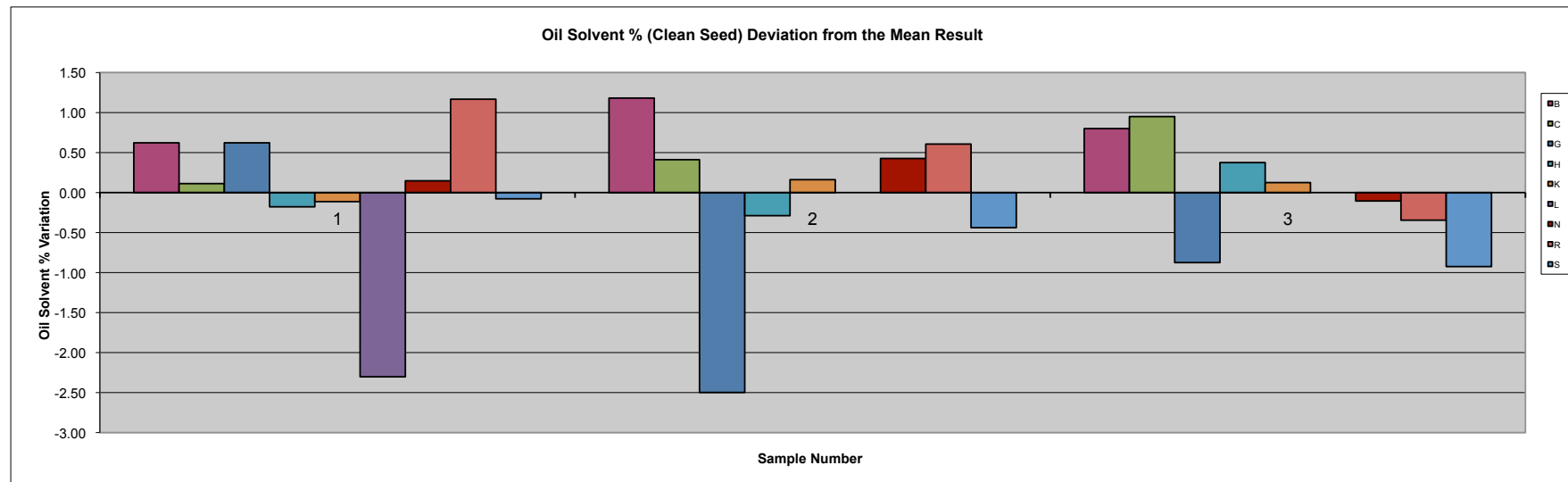
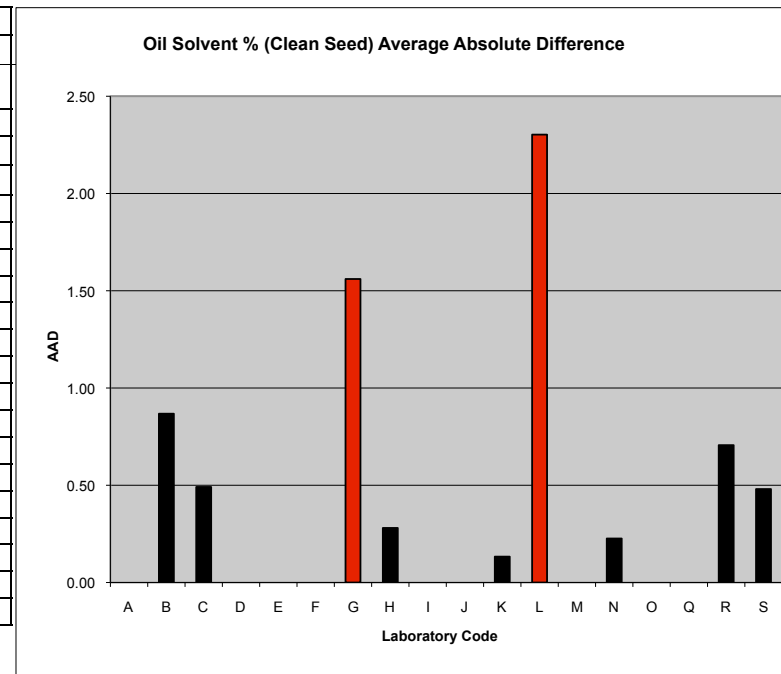
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Oil Rapid % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	39.10	-0.18	41.05	-0.56	43.75	-0.72	-0.49	0.49
B								
C	39.65	0.37	41.55	-0.06	44.60	0.13	0.15	0.19
D	39.75	0.47	42.66	1.05	45.80	1.33	0.95	0.95
E	39.45	0.17	41.15	-0.46	44.15	-0.32	-0.20	0.32
F								
G	39.20	-0.08	41.35	-0.26	44.30	-0.17	-0.17	0.17
H	39.55	0.27	41.50	-0.11	44.70	0.23	0.13	0.20
I								
J	39.06	-0.22	41.30	-0.31	44.47	-0.01	-0.18	0.18
K	39.70	0.42	42.91	1.30	44.75	0.28	0.66	0.66
L								
M	39.40	0.12	43.30	1.69	44.90	0.43	0.75	0.75
N	38.10	-1.18	41.30	-0.31	44.10	-0.37	-0.62	0.62
O	38.95	-0.33	41.00	-0.61	44.55	0.08	-0.29	0.34
Q	39.10	-0.18	41.80	0.19	44.10	-0.37	-0.12	0.25
R	39.55	0.27	41.55	-0.06	45.05	0.58	0.26	0.30
S	39.35	0.07	40.05	-1.56	43.40	-1.07	-0.85	0.90
MEAN	39.28		41.61		44.47			0.45
STDEV	0.42		0.88		0.59			



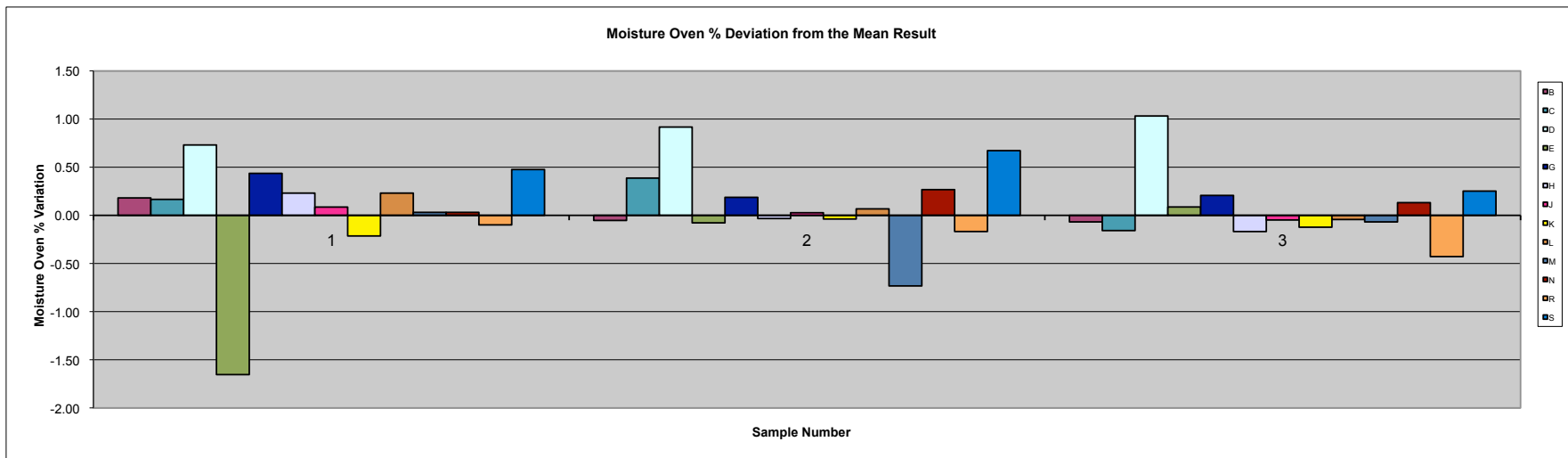
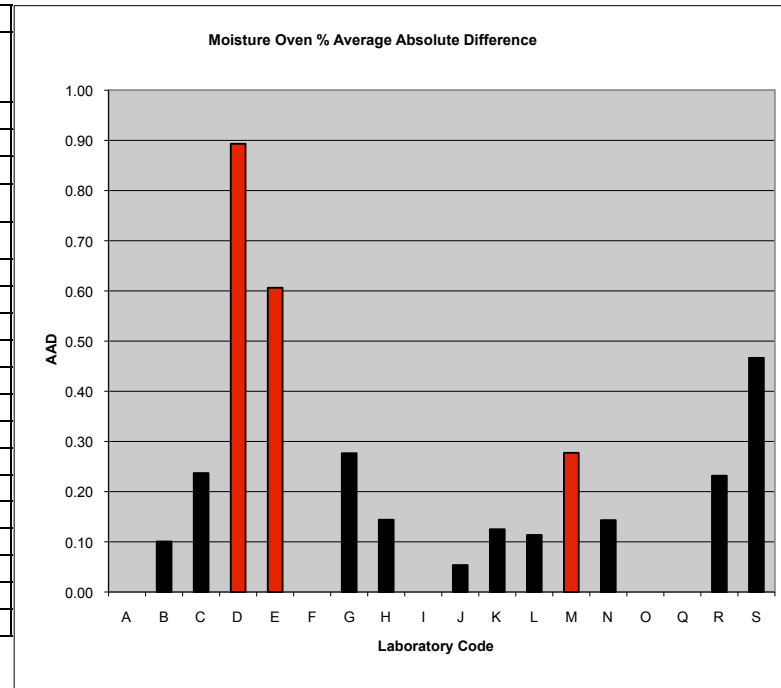
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Oil Solvent % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	39.85	0.62	42.72	1.18	45.08	0.80	0.87	0.87
C	39.34	0.11	41.95	0.41	45.23	0.95	0.49	0.49
D								
E								
F								
G	39.85	0.62	39.04	-2.50	43.40	-0.88	-0.94	1.56
H	39.05	-0.18	41.25	-0.29	44.65	0.37	-0.03	0.28
I								
J								
K	39.12	-0.11	41.70	0.16	44.40	0.13	0.06	0.13
L	36.93	-2.30					-2.30	2.30
M								
N	39.38	0.15	41.97	0.43	44.17	-0.11	0.16	0.23
O								
Q								
R	40.40	1.17	42.15	0.61	43.93	-0.35	0.48	0.71
S	39.15	-0.08	41.10	-0.44	43.35	-0.93	-0.48	0.48
MEAN	39.23		41.54		44.28			0.78
STDEV	0.97		1.19		0.70			



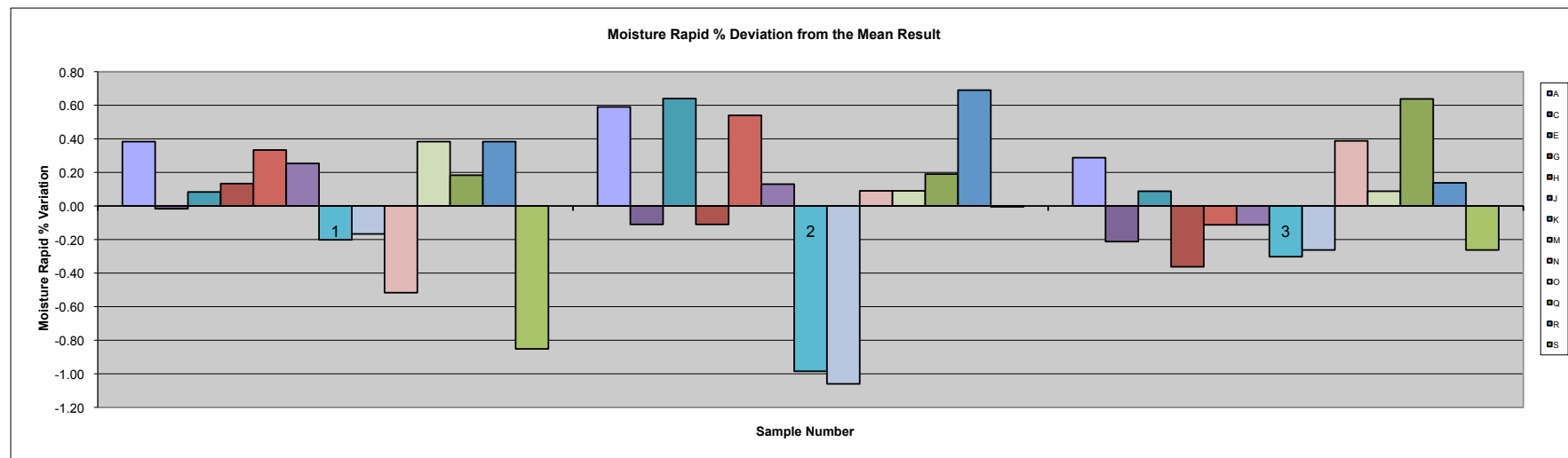
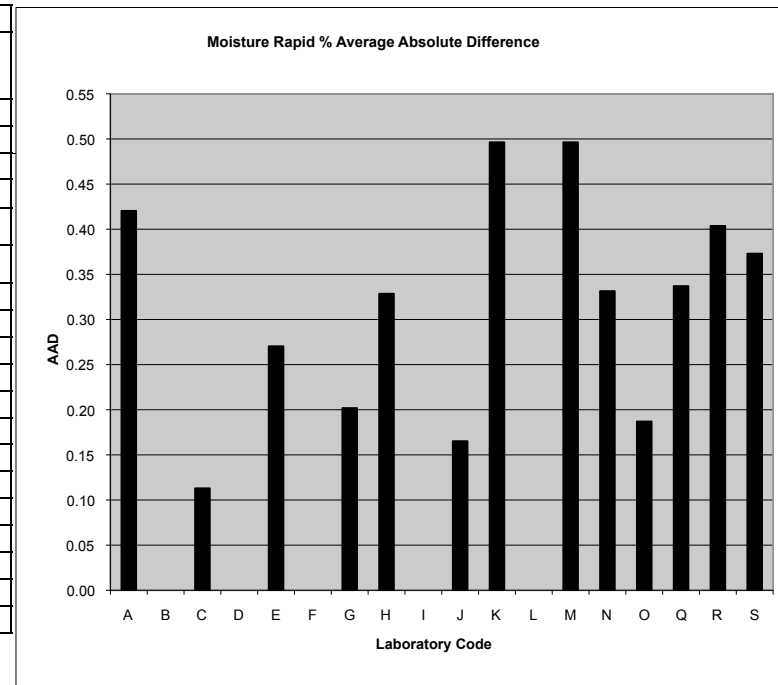
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Moisture Oven % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	7.75	0.18	4.73	-0.05	5.15	-0.07	0.02	0.10
C	7.74	0.17	5.17	0.39	5.06	-0.16	0.13	0.24
D	8.30	0.73	5.70	0.92	6.25	1.03	0.89	0.89
E	5.92	-1.65	4.71	-0.08	5.31	0.09	-0.55	0.61
F								
G	8.01	0.44	4.97	0.19	5.43	0.21	0.28	0.28
H	7.80	0.23	4.75	-0.03	5.05	-0.17	0.01	0.14
I								
J	7.66	0.09	4.81	0.03	5.17	-0.05	0.02	0.05
K	7.36	-0.21	4.75	-0.04	5.10	-0.12	-0.13	0.13
L	7.80	0.23	4.85	0.07	5.18	-0.04	0.08	0.11
M	7.60	0.03	4.05	-0.73	5.15	-0.07	-0.26	0.28
N	7.60	0.03	5.05	0.27	5.35	0.13	0.14	0.14
O								
Q								
R	7.47	-0.10	4.62	-0.17	4.79	-0.43	-0.23	0.23
S	8.05	0.48	5.46	0.67	5.47	0.25	0.47	0.47
MEAN	7.57		4.78		5.22			0.28
STDEV	0.58		0.30		0.15			



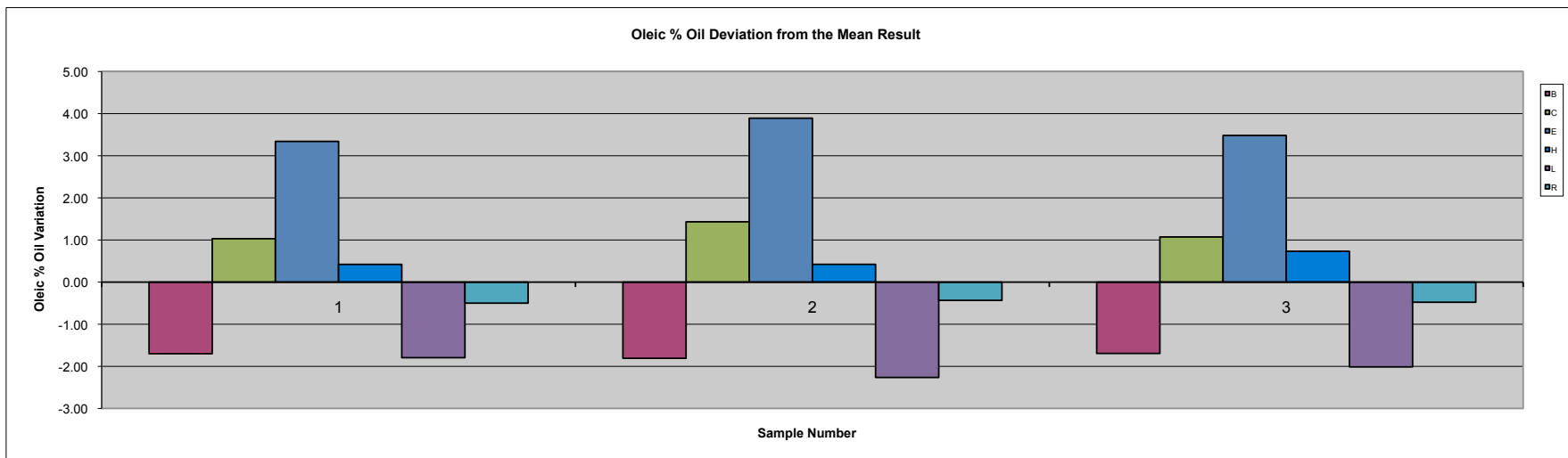
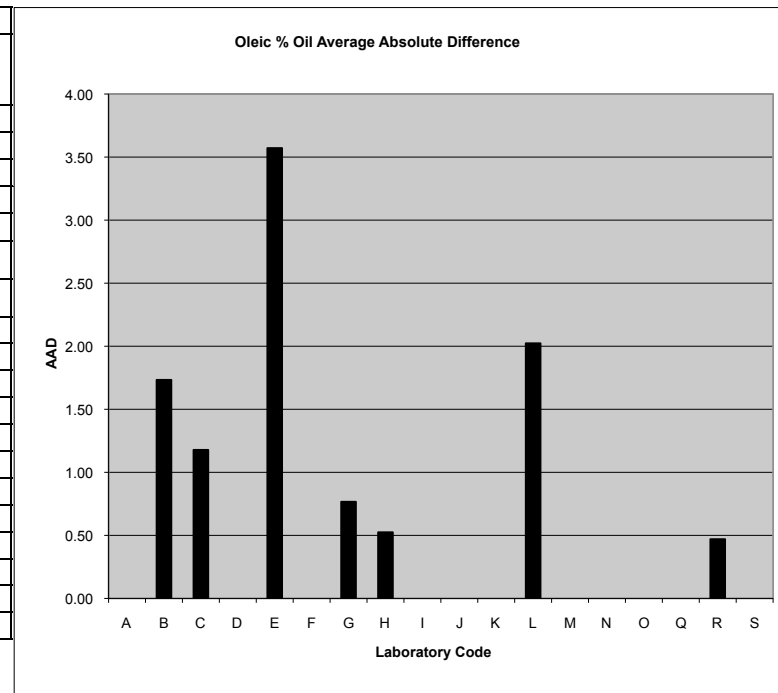
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Moisture Rapid % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	8.30	0.38	5.70	0.59	5.50	0.29	0.42	0.42
B								
C	7.90	-0.02	5.00	-0.11	5.00	-0.21	-0.11	0.11
D								
E	8.00	0.08	5.75	0.64	5.30	0.09	0.27	0.27
F								
G	8.05	0.13	5.00	-0.11	4.85	-0.36	-0.11	0.20
H	8.25	0.33	5.65	0.54	5.10	-0.11	0.25	0.33
I								
J	8.17	0.25	5.24	0.13	5.10	-0.11	0.09	0.17
K	7.72	-0.20	4.13	-0.99	4.91	-0.30	-0.50	0.50
L								
M	7.75	-0.17	4.05	-1.06	4.95	-0.26	-0.50	0.50
N	7.40	-0.52	5.20	0.09	5.60	0.39	-0.01	0.33
O	8.30	0.38	5.20	0.09	5.30	0.09	0.19	0.19
Q	8.10	0.18	5.30	0.19	5.85	0.64	0.34	0.34
R	8.30	0.38	5.80	0.69	5.35	0.14	0.40	0.40
S	7.07	-0.85	5.11	0.00	4.95	-0.26	-0.37	0.37
MEAN	7.92		5.11		5.21			0.32
STDEV	0.38		0.54		0.30			



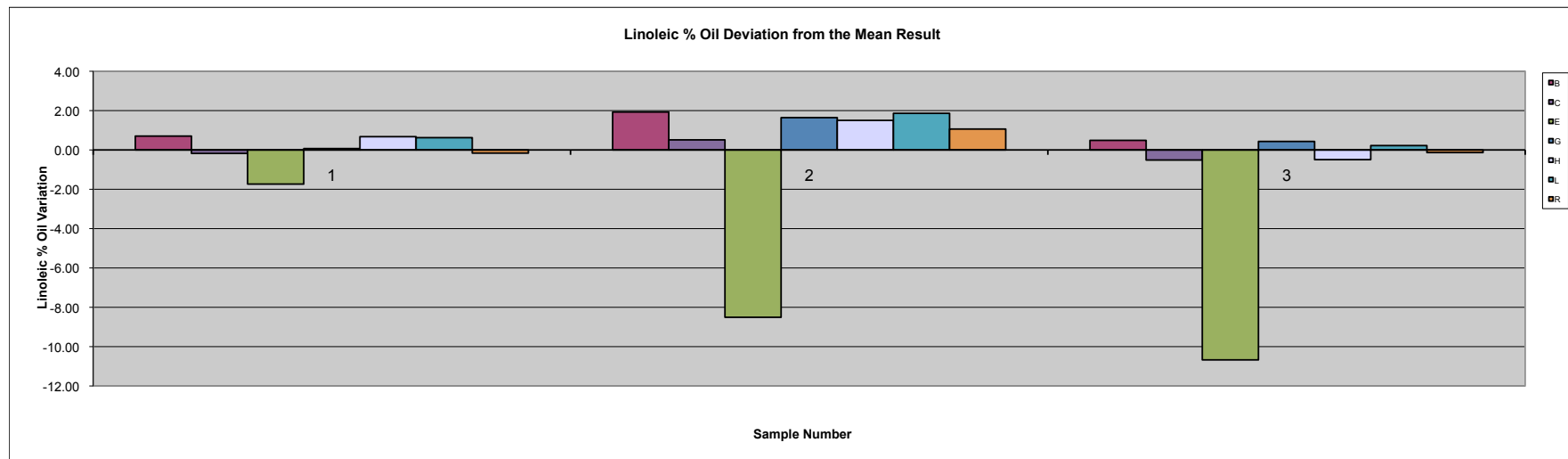
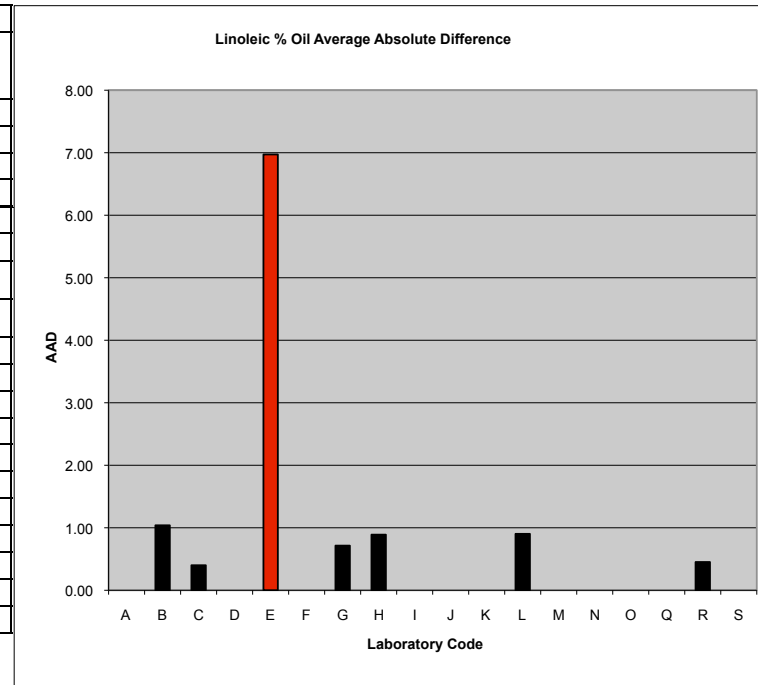
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Oleic % Oil Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	67.53	-1.70	60.47	-1.81	60.63	-1.69	-1.73	1.73
C	70.26	1.03	63.71	1.43	63.39	1.07	1.18	1.18
D								
E	72.57	3.34	66.17	3.89	65.80	3.48	3.57	3.57
F								
G	68.85	-0.38	61.46	-0.82	61.22	-1.10	-0.77	0.77
H	69.65	0.42	62.70	0.42	63.05	0.73	0.52	0.52
I								
J								
K								
L	67.44	-1.79	60.02	-2.26	60.31	-2.01	-2.02	2.02
M								
N								
O								
Q								
R	68.73	-0.50	61.85	-0.43	61.84	-0.48	-0.47	0.47
S								
MEAN	69.23		62.28		62.32			1.47
STDEV	1.94		2.30		1.92			



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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	14.68	0.70	19.23	1.93	19.83	0.49	1.04	1.04
C	13.80	-0.18	17.81	0.51	18.83	-0.51	-0.06	0.40
D								
E	12.24	-1.74	8.79	-8.51	8.67	-10.67	-6.97	6.97
F								
G	14.05	0.07	18.94	1.64	19.78	0.43	0.71	0.71
H	14.65	0.67	18.80	1.50	18.85	-0.49	0.56	0.89
I								
J								
K								
L	14.60	0.62	19.16	1.86	19.57	0.22	0.90	0.90
M								
N								
O								
Q								
R	13.82	-0.16	18.36	1.06	19.21	-0.13	0.26	0.45
S								
MEAN	13.98		17.30		19.34			1.62
STDEV	0.86		3.78		0.45			



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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	0.30	-0.06	0.16	-0.09	0.12	-0.11	-0.09	0.09
C	0.21	-0.15	0.12	-0.13	0.19	-0.04	-0.11	0.11
D								
E	0.45	0.09	0.36	0.10	0.46	0.23	0.14	0.14
F								
G	0.47	0.11	0.39	0.14	0.34	0.11	0.12	0.12
H	0.22	-0.14	0.16	-0.09	0.09	-0.14	-0.12	0.12
I								
J								
K	0.27	-0.09	0.19	-0.07	0.12	-0.11	-0.09	0.09
L	0.38	0.02	0.24	-0.01	0.19	-0.04	-0.01	0.03
M								
N								
O								
Q								
R	0.48	0.12	0.34	0.08	0.30	0.07	0.09	0.09
S	0.47	0.11	0.42	0.16	0.49	0.26	0.18	0.18
MEAN	0.36		0.25		0.23			0.11
STDEV	0.11		0.11		0.14			

