



**2013 AOF Test Check Program
Monthly Report
Round 5
May 2013**

01/05/2013 – 01/06/2013

Result Receiving Dates

Lab Code	Date (DD-MM-YYYY)
A	14/05/2013
B	30/05/2013
C	11/06/2013
D	10/06/2013
E	13/05/2013
F	05/06/2013
G	31/05/2013
H	30/05/2013
I	13/05/2013
J	23/05/2013
K	21/05/2013
L	03/06/2013
M	07/05/2013
N	21/05/2013
O	08/05/2013

Discussion of Results

Test Weight

No Outliers were identified for this test method.

Impurities

Sample 1 – One outlier was identified for Lab **B** with a 1.07 percent discrepancy from the upper quartile limit (1.30%).

Sample 2 – No outliers were observed.

Sample 3 – No outliers were observed.

Oil Rapid

Sample 1 – No outliers were observed.

Sample 2 – One outlier was identified for Lab **D** with a 0.26 percent discrepancy from the upper quartile limit (42.65%).

Sample 3 – Outliers were identified for Lab **D** and **H**. Lab D results were 0.72 of a percent discrepancy from the upper quartile limit (43.33%). Lab H results were 0.33 of a percent discrepancy from the lower quartile limit (42.33%).



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Oil Solvent Extraction (ISO 659)

Sample 1 – One outlier was identified for Lab L with a 0.36 of a percent discrepancy from the lower quartile limit (44.66%).

Sample 2 – No outliers were observed.

Sample 3 – No outliers were observed.

FOSFA Extraction (AOCS Method Am 2-93)

No outliers were identified for this test method.

Moisture Oven

Sample 1 – One outlier was identified for Lab K with a result equal to the lower quartile limit (6.41%).

Sample 2 – Outliers were identified for Lab D and E with results of 0.42 and 0.06 of a percent discrepancy, respectively, from the upper quartile limit (6.68%).

Sample 3 – Outliers were identified for Lab D and E with results of 0.07 and 0.08 of a percent discrepancy, respectively, from the upper quartile limit (5.08%).

Moisture Rapid

Sample 1 – No outliers were observed.

Sample 2 – One outlier was identified for Lab A with a 0.02 of a percent discrepancy from the upper quartile limit (6.88%).

Sample 3 – No outliers were observed.

Oleic Oil

No outliers were identified for this test method.

Linoleic Oil

No outliers were identified for this test method.



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Free Fatty Acid

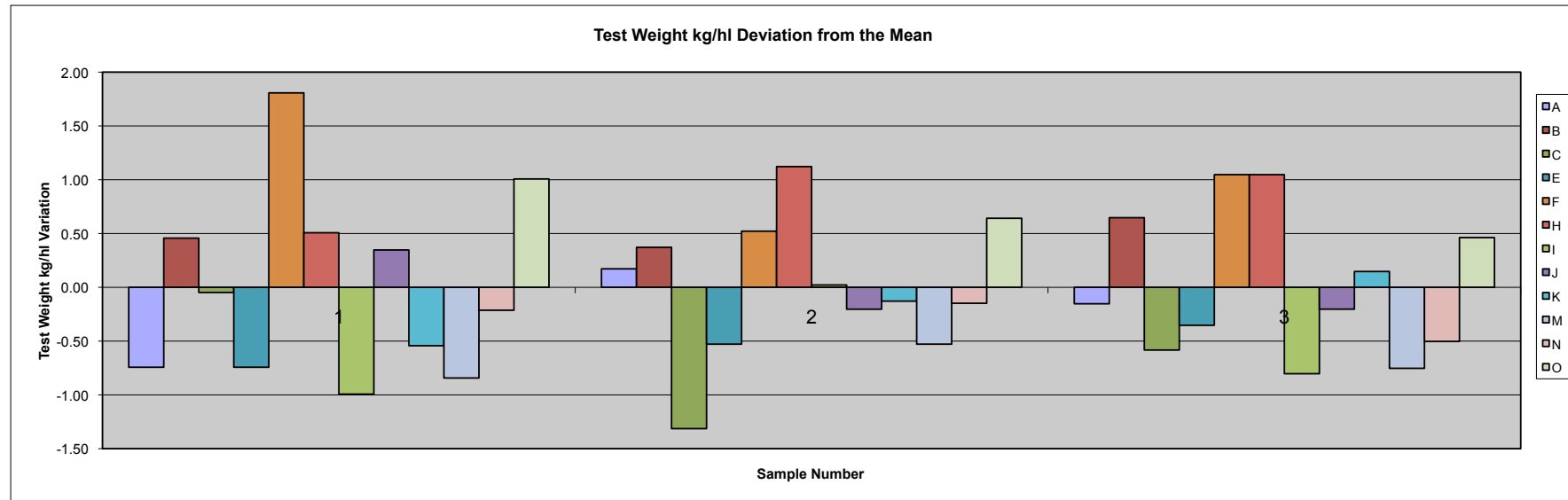
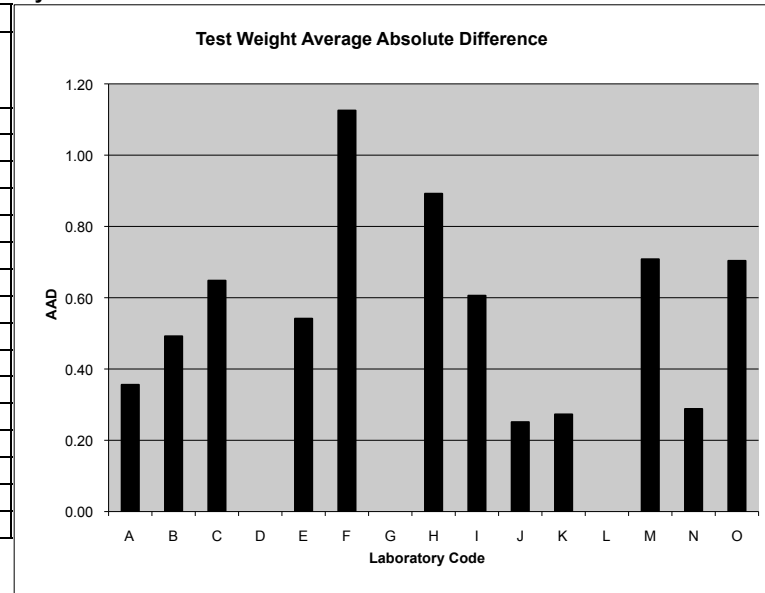
Sample 1 – One outlier was identified for Lab E with a 0.03 of a percent discrepancy from the upper quartile limit (0.52%).

Sample 2 – One outlier was identified for Lab E with a 0.69 of a percent discrepancy from the upper quartile limit (0.62%).

Sample 3 – No outliers were observed.

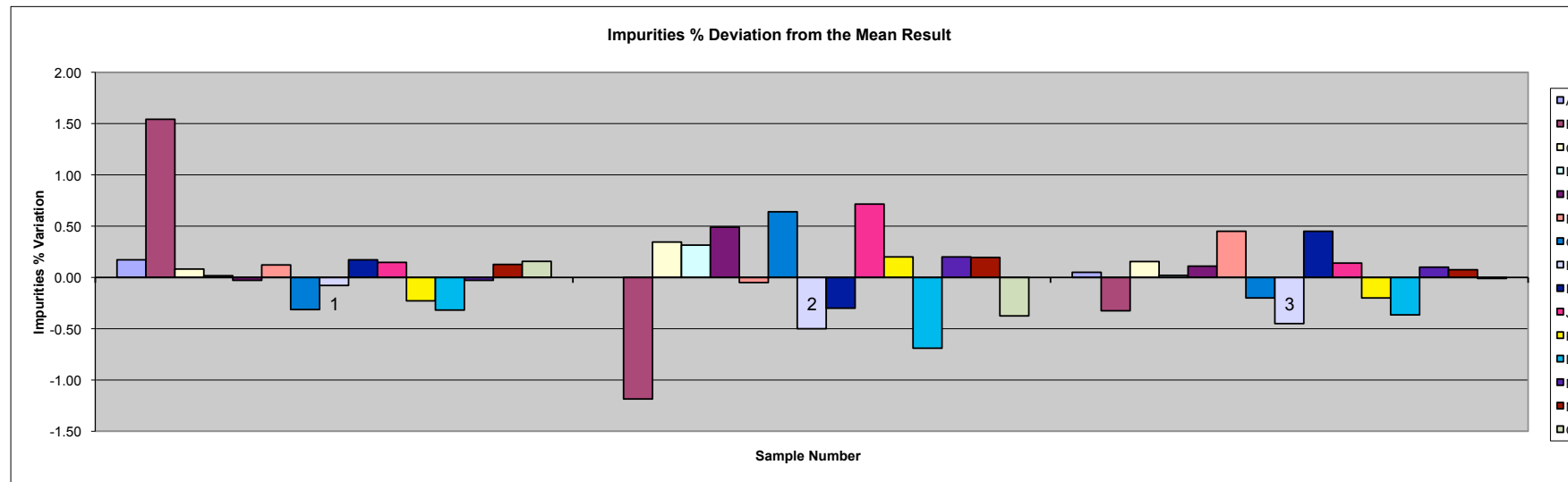
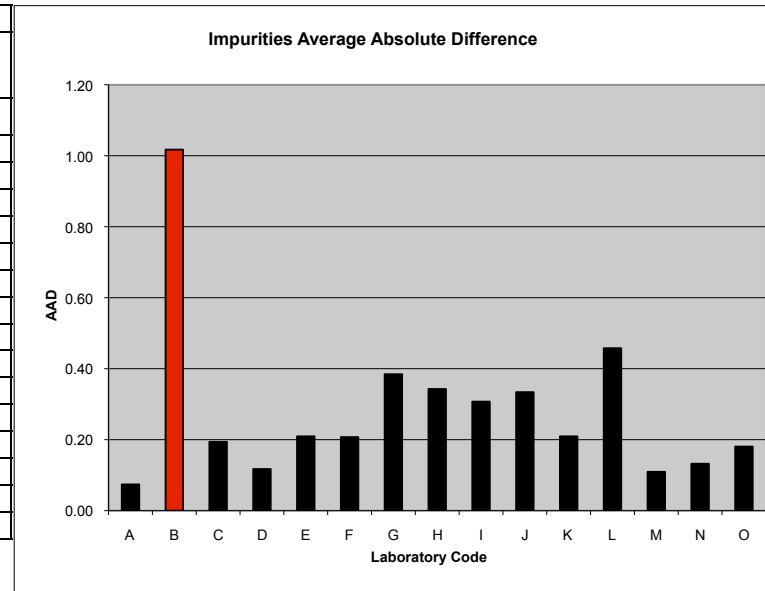
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Test Weight kg/hl								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	65.80	-0.74	67.30	0.17	67.70	-0.15	-0.24	0.36
B	67.00	0.46	67.50	0.37	68.50	0.65	0.49	0.49
C	66.50	-0.05	65.82	-1.31	67.27	-0.58	-0.65	0.65
D								
E	65.80	-0.74	66.60	-0.53	67.50	-0.35	-0.54	0.54
F	68.35	1.81	67.65	0.52	68.90	1.05	1.13	1.13
G								
H	67.05	0.51	68.25	1.12	68.90	1.05	0.89	0.89
I	65.55	-0.99	67.15	0.02	67.05	-0.80	-0.59	0.61
J	66.89	0.35	66.93	-0.20	67.65	-0.20	-0.02	0.25
K	66.00	-0.54	67.00	-0.13	68.00	0.15	-0.17	0.27
L								
M	65.70	-0.84	66.60	-0.53	67.10	-0.75	-0.71	0.71
N	66.33	-0.21	66.98	-0.15	67.35	-0.50	-0.29	0.29
O	67.55	1.01	67.77	0.64	68.32	0.46	0.70	0.70
MEAN	66.54		67.13		67.85			0.56
STDEV	0.85		0.64		0.66			



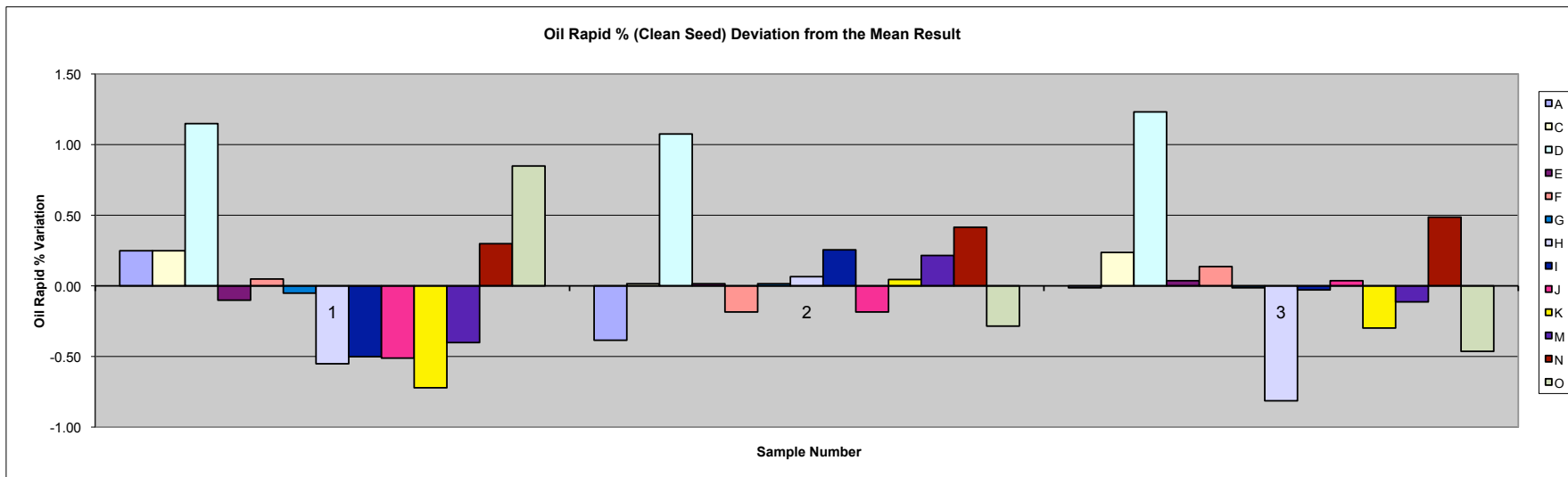
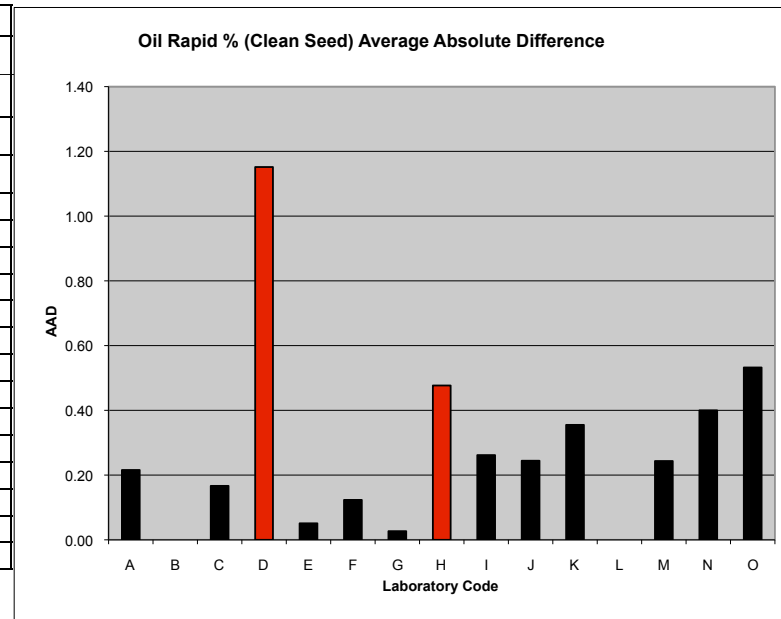
**2013 AOF Test Check Program
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Impurities %								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	1.00	0.17	2.05	0.00	1.00	0.05	0.07	0.07
B	2.37	1.54	0.87	-1.19	0.63	-0.33	0.01	1.02
C	0.91	0.08	2.40	0.35	1.11	0.16	0.19	0.19
D	0.85	0.02	2.37	0.32	0.97	0.02	0.12	0.12
E	0.80	-0.03	2.54	0.49	1.06	0.11	0.19	0.21
F	0.95	0.12	2.00	-0.05	1.40	0.45	0.17	0.21
G	0.52	-0.31	2.69	0.64	0.75	-0.20	0.04	0.38
H	0.75	-0.08	1.55	-0.50	0.50	-0.45	-0.34	0.34
I	1.00	0.17	1.75	-0.30	1.40	0.45	0.11	0.31
J	0.98	0.15	2.77	0.72	1.09	0.14	0.33	0.33
K	0.60	-0.23	2.25	0.20	0.75	-0.20	-0.08	0.21
L	0.51	-0.32	1.36	-0.69	0.59	-0.37	-0.46	0.46
M	0.80	-0.03	2.25	0.20	1.05	0.10	0.09	0.11
N	0.96	0.13	2.25	0.20	1.03	0.08	0.13	0.13
O	0.99	0.16	1.68	-0.38	0.94	-0.01	-0.08	0.18
MEAN	0.83		2.05		0.95			0.29
STDEV	0.18		0.53		0.27			



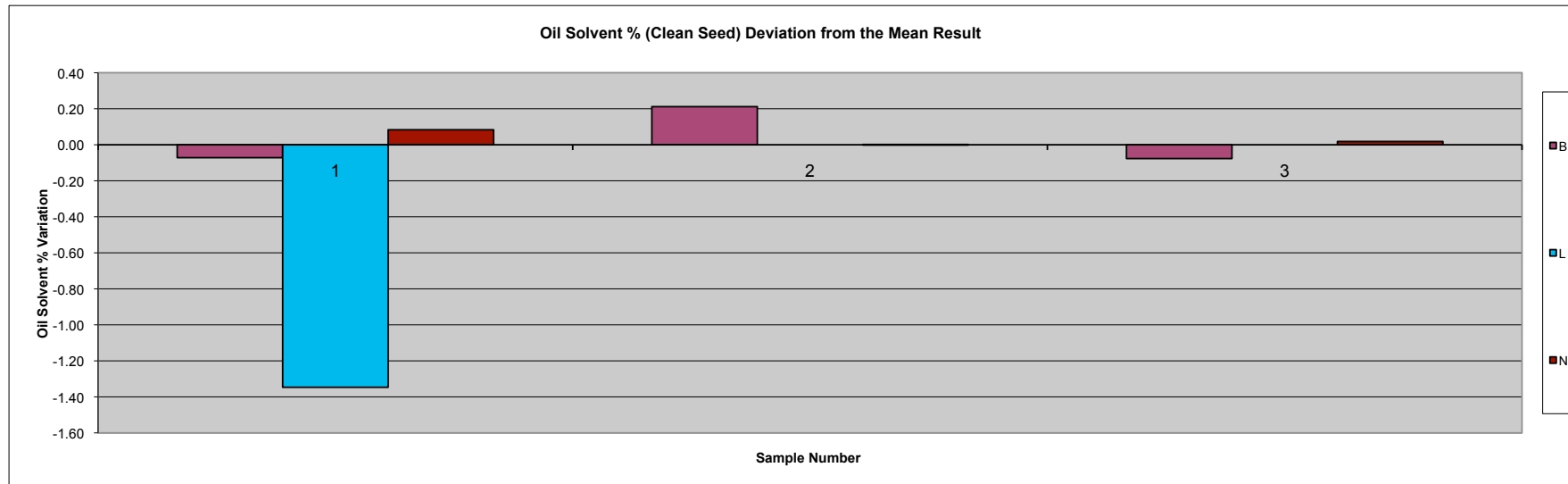
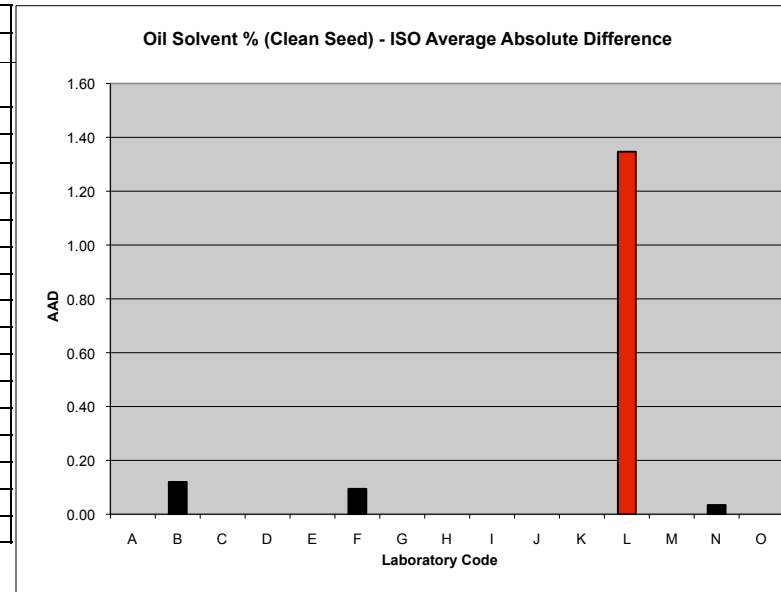
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Oil Rapid % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	45.85	0.25	41.45	-0.38	42.80	-0.01	-0.05	0.22
B								
C	45.85	0.25	41.85	0.02	43.05	0.24	0.17	0.17
D	46.75	1.15	42.91	1.08	44.05	1.23	1.15	1.15
E	45.50	-0.10	41.85	0.01	42.85	0.04	-0.02	0.05
F	45.65	0.05	41.65	-0.19	42.95	0.14	0.00	0.12
G	45.55	-0.05	41.85	0.01	42.80	-0.01	-0.02	0.03
H	45.05	-0.55	41.90	0.06	42.00	-0.81	-0.43	0.48
I	45.10	-0.50	42.09	0.26	42.79	-0.03	-0.09	0.26
J	45.09	-0.51	41.65	-0.19	42.85	0.04	-0.22	0.24
K	44.88	-0.72	41.88	0.04	42.52	-0.30	-0.33	0.36
L								
M	45.20	-0.40	42.05	0.21	42.70	-0.11	-0.10	0.24
N	45.90	0.30	42.25	0.41	43.30	0.49	0.40	0.40
O	46.45	0.85	41.55	-0.29	42.35	-0.46	0.03	0.53
MEAN	45.60		41.84		42.81			0.31
STDEV	0.56		0.23		0.25			



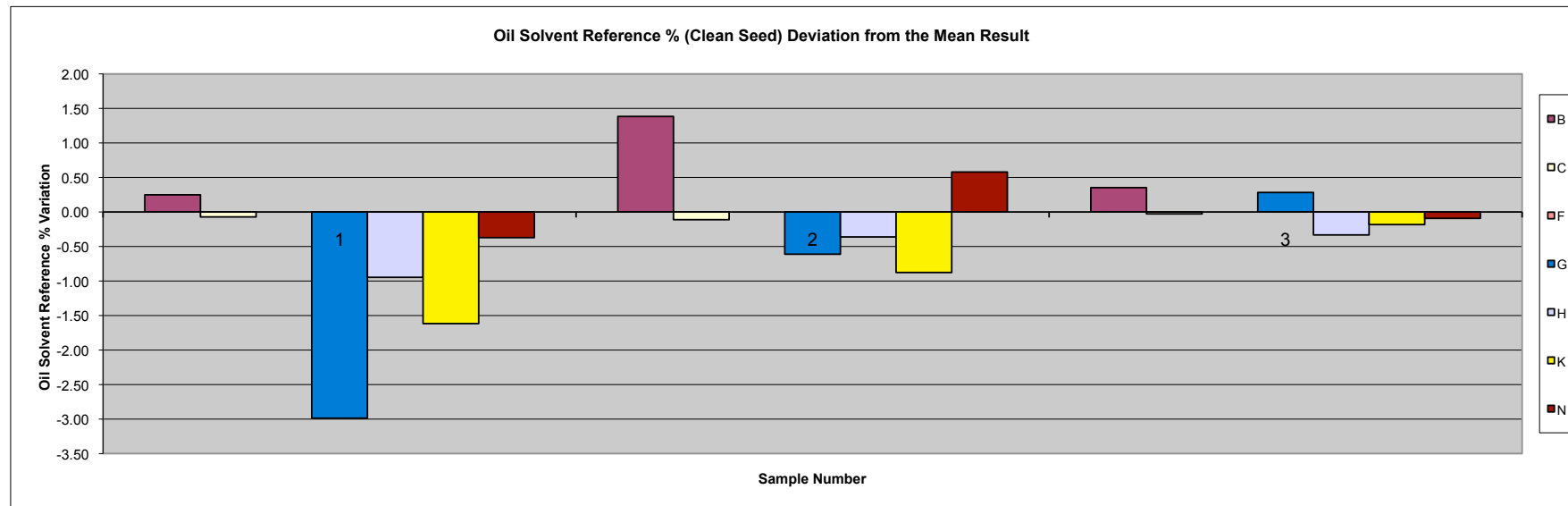
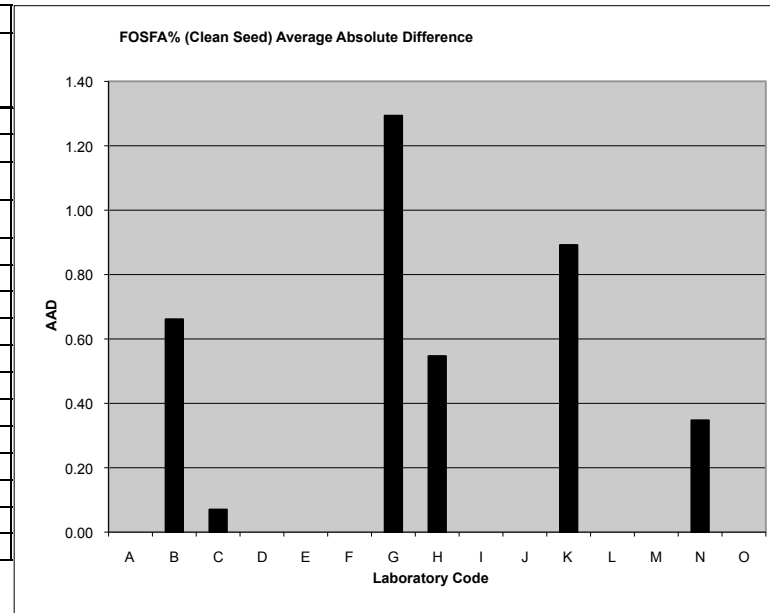
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Oil Solvent % (Clean Seed) - ISO Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	45.58	-0.07	42.64	0.21	42.95	-0.08	0.02	0.12
C								
D								
E								
F	45.64	-0.01	42.22	-0.21	43.09	0.06	-0.06	0.09
G								
H								
I								
J								
K								
L	44.30	-1.35					-1.35	1.35
M								
N	45.73	0.08	42.43	0.00	43.05	0.02	0.03	0.03
O								
MEAN	45.65		42.43		43.03			0.40
STDEV	0.08		0.21		0.07			



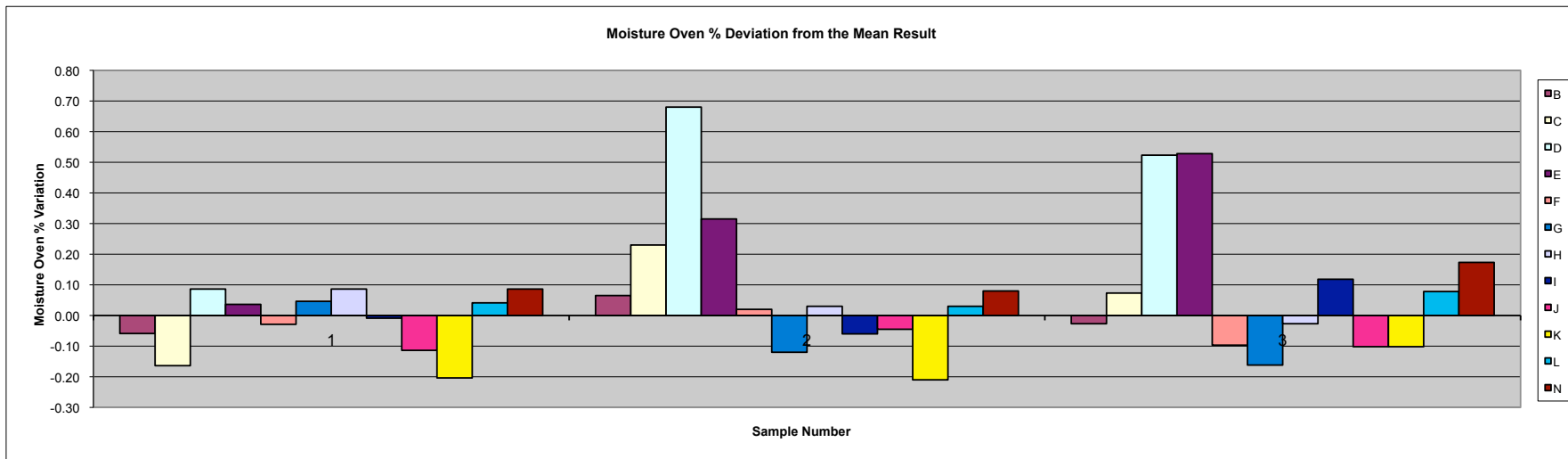
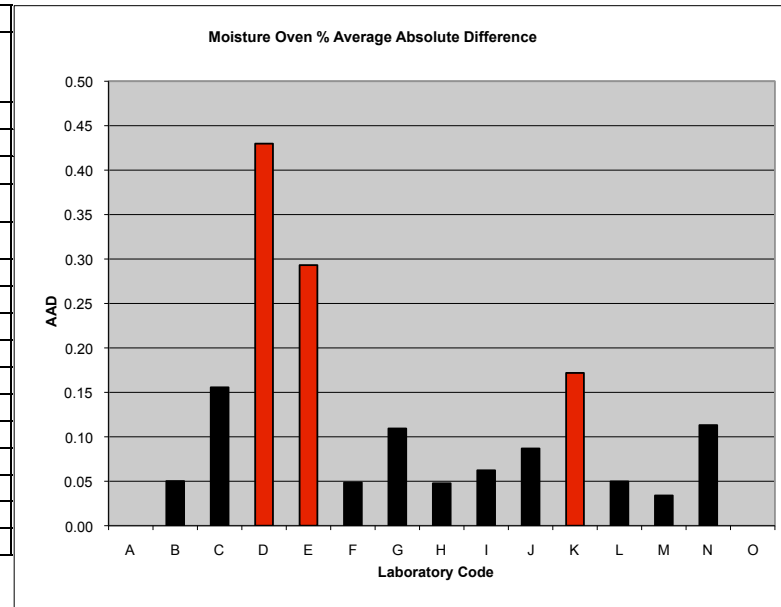
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FOSFA % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	45.90	0.25	43.10	1.38	43.29	0.35	0.66	0.66
C	45.58	-0.07	41.60	-0.11	42.91	-0.03	-0.07	0.07
D								
E								
F								
G	42.66	-2.99	41.10	-0.61	43.22	0.28	-1.11	1.29
H	44.70	-0.95	41.35	-0.36	42.60	-0.33	-0.55	0.55
I								
J								
K	44.03	-1.62	40.84	-0.88	42.75	-0.18	-0.89	0.89
L								
M								
N	45.28	-0.37	42.29	0.58	42.84	-0.09	0.04	0.35
O								
MEAN	44.69		41.71		42.93			0.64
STDEV	1.19		0.84		0.27			



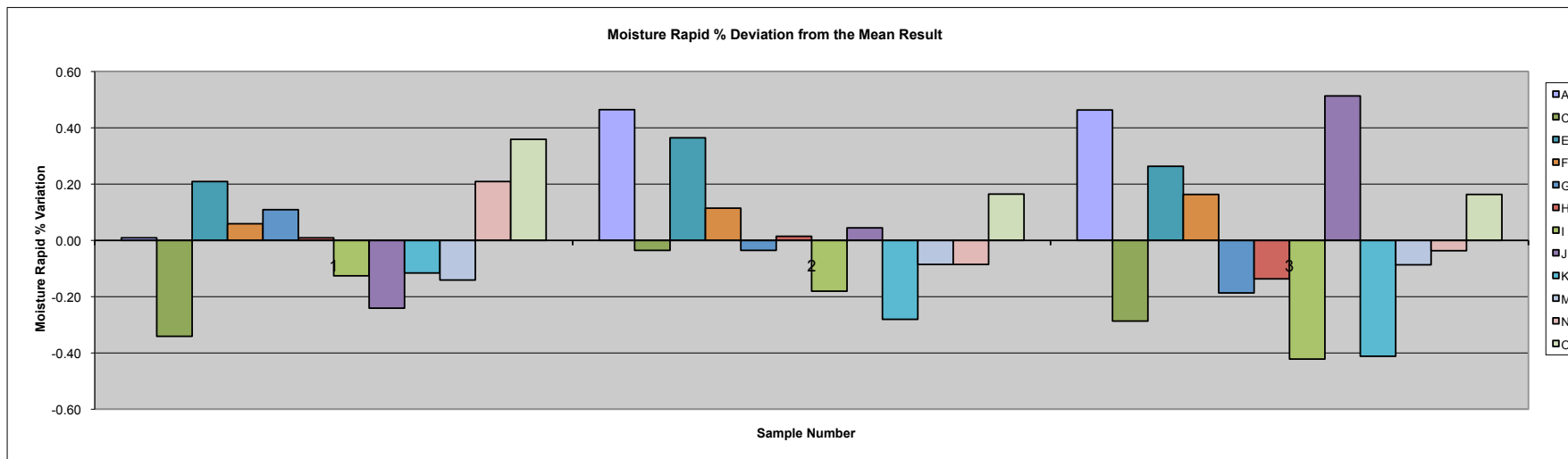
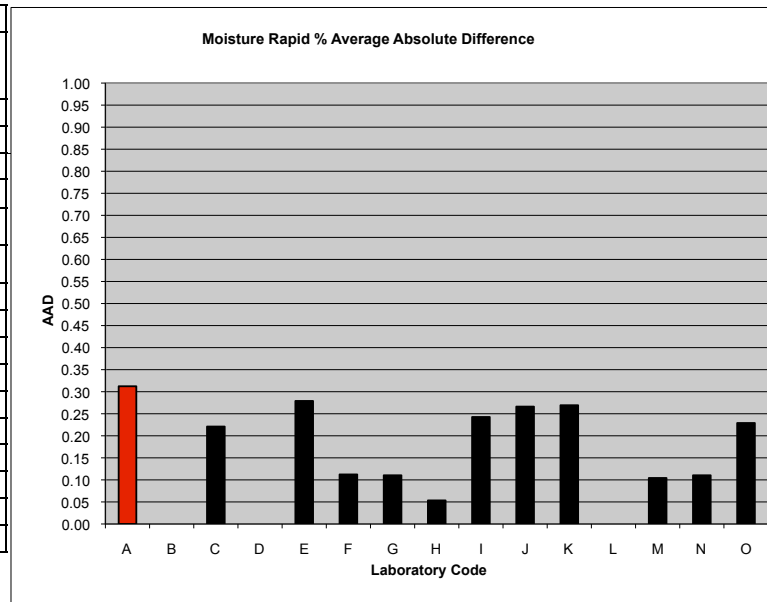
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Moisture Oven % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	6.56	-0.06	6.49	0.06	4.60	-0.03	-0.01	0.05
C	6.45	-0.16	6.65	0.23	4.70	0.07	0.05	0.16
D	6.70	0.09	7.10	0.68	5.15	0.52	0.43	0.43
E	6.65	0.04	6.74	0.32	5.16	0.53	0.29	0.29
F	6.59	-0.03	6.44	0.02	4.53	-0.10	-0.04	0.05
G	6.66	0.05	6.30	-0.12	4.47	-0.16	-0.08	0.11
H	6.70	0.09	6.45	0.03	4.60	-0.03	0.03	0.05
I	6.61	-0.01	6.36	-0.06	4.75	0.12	0.02	0.06
J	6.50	-0.11	6.38	-0.05	4.53	-0.10	-0.09	0.09
K	6.41	-0.20	6.21	-0.21	4.53	-0.10	-0.17	0.17
L	6.66	0.04	6.45	0.03	4.71	0.08	0.05	0.05
M	6.61	-0.01	6.40	-0.02	4.70	0.07	0.01	0.03
N	6.70	0.09	6.50	0.08	4.80	0.17	0.11	0.11
O								
MEAN	6.61		6.42		4.63			0.13
STDEV	0.08		0.11		0.11			



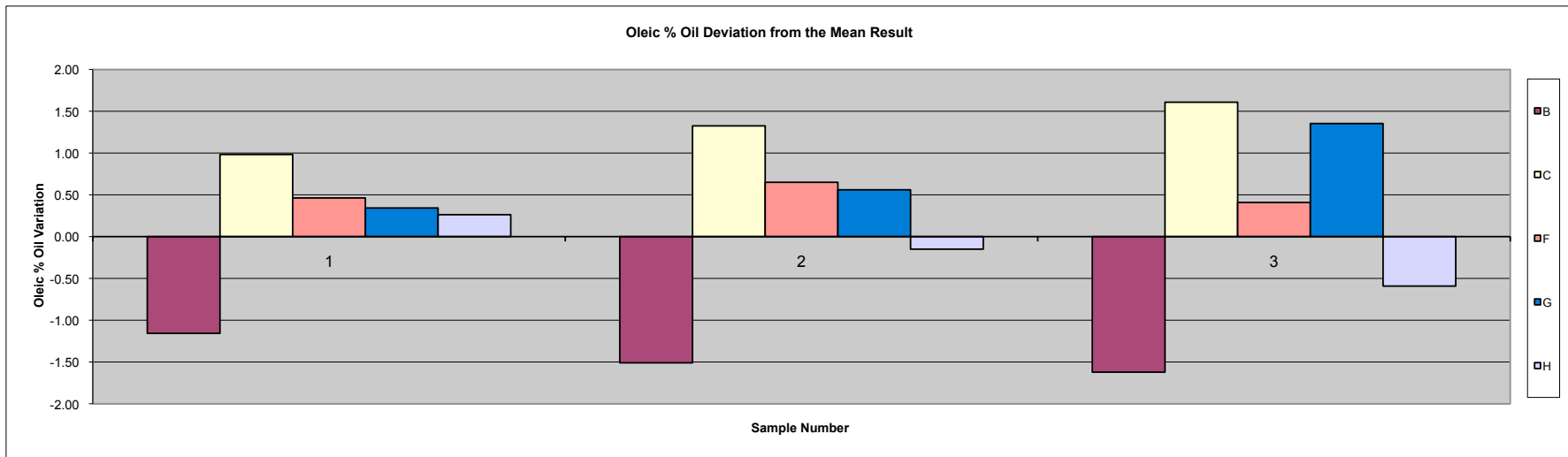
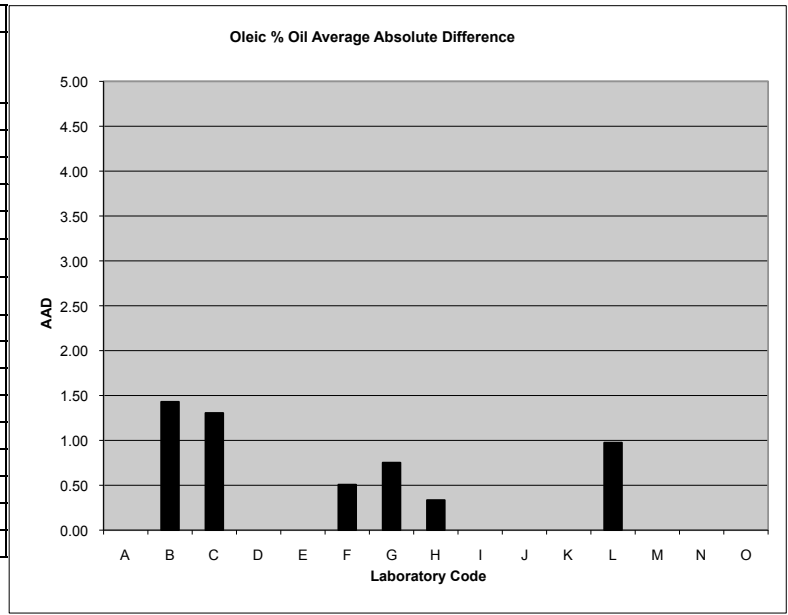
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Moisture Rapid % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	6.55	0.01	6.90	0.46	5.50	0.46	0.31	0.31
B								
C	6.20	-0.34	6.40	-0.04	4.75	-0.29	-0.22	0.22
D								
E	6.75	0.21	6.80	0.36	5.30	0.26	0.28	0.28
F	6.60	0.06	6.55	0.11	5.20	0.16	0.11	0.11
G	6.65	0.11	6.40	-0.04	4.85	-0.19	-0.04	0.11
H	6.55	0.01	6.45	0.01	4.90	-0.14	-0.04	0.05
I	6.42	-0.13	6.26	-0.18	4.62	-0.42	-0.24	0.24
J	6.30	-0.24	6.48	0.04	5.55	0.51	0.11	0.27
K	6.43	-0.12	6.16	-0.28	4.63	-0.41	-0.27	0.27
L								
M	6.40	-0.14	6.35	-0.09	4.95	-0.09	-0.10	0.10
N	6.75	0.21	6.35	-0.09	5.00	-0.04	0.03	0.11
O	6.90	0.36	6.60	0.16	5.20	0.16	0.23	0.23
MEAN	6.54		6.44		5.04			0.19
STDEV	0.20		0.17		0.32			



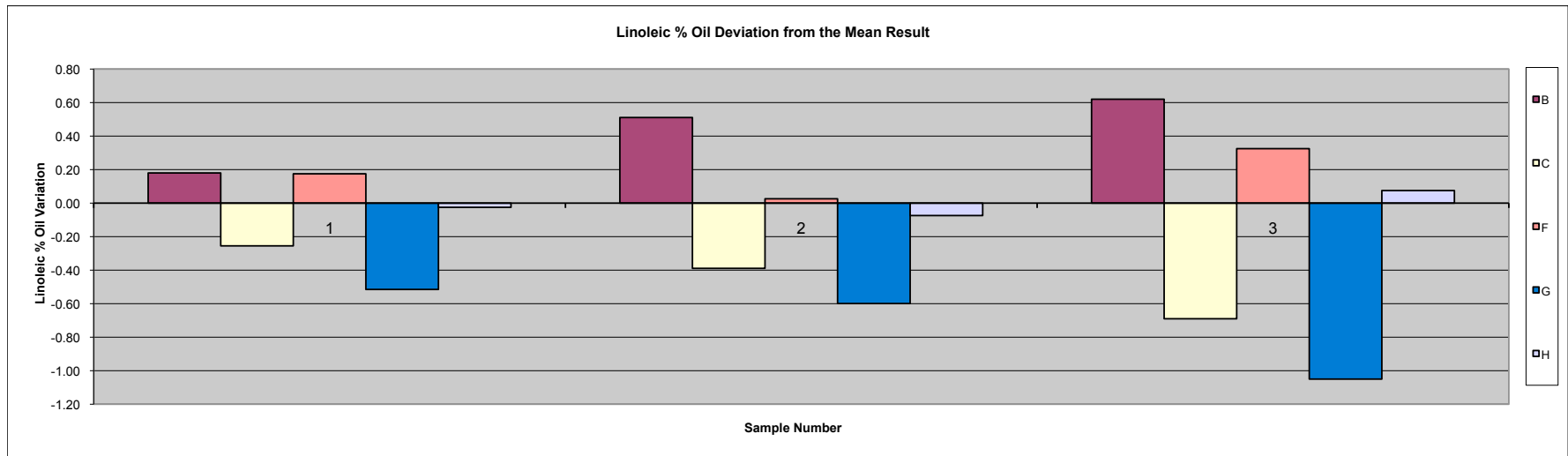
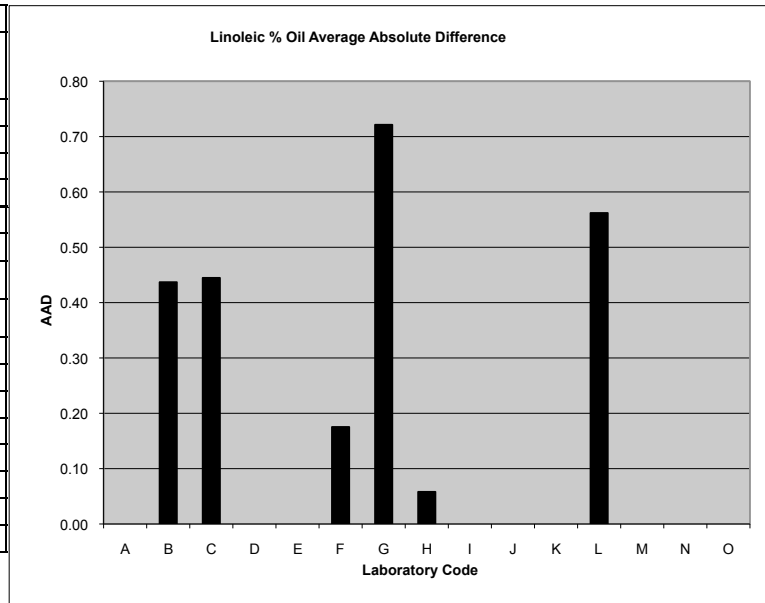
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Oleic % Oil Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	59.88	-1.16	65.64	-1.51	68.22	-1.62	-1.43	1.43
C	62.02	0.98	68.48	1.33	71.45	1.61	1.31	1.31
D								
E								
F	61.50	0.46	67.80	0.65	70.25	0.41	0.51	0.51
G	61.38	0.34	67.71	0.56	71.20	1.35	0.75	0.75
H	61.30	0.26	67.00	-0.15	69.25	-0.59	-0.16	0.33
I								
J								
K								
L	60.15	-0.89	66.28	-0.87	68.69	-1.16	-0.97	0.97
M								
N								
O								
MEAN	61.04		67.15		69.84			0.88
STDEV	0.84		1.05		1.33			



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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	19.56	0.18	16.09	0.51	13.70	0.62	0.44	0.44
C	19.12	-0.26	15.19	-0.39	12.39	-0.69	-0.44	0.44
D								
E								
F	19.55	0.18	15.60	0.03	13.40	0.32	0.18	0.18
G	18.86	-0.52	14.98	-0.60	12.03	-1.05	-0.72	0.72
H	19.35	-0.02	15.50	-0.07	13.15	0.07	-0.01	0.06
I								
J								
K								
L	19.82	0.44	16.10	0.53	13.80	0.72	0.56	0.56
M								
N								
O								
MEAN	19.38		15.57		13.08			0.40
STDEV	0.34		0.46		0.72			



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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	0.17	-0.06	0.25	-0.02	0.10	-0.07	-0.05	0.05
C	0.08	-0.15	0.08	-0.19	0.10	-0.07	-0.14	0.14
D								
E	0.55	0.31	1.30	1.03	0.31	0.14	0.50	0.50
F	0.33	0.10	0.38	0.11	0.17	0.00	0.07	0.07
G	0.32	0.08	0.39	0.12	0.23	0.06	0.09	0.09
H	0.22	-0.01	0.19	-0.08	0.11	-0.06	-0.05	0.05
I								
J								
K	0.20	-0.03	0.24	-0.03	0.13	-0.04	-0.03	0.03
L	0.31	0.07	0.36	0.09	0.19	0.02	0.06	0.06
M								
N								
O								
MEAN	0.23		0.27		0.17			0.12
STDEV	0.09		0.11		0.07			

