



2011 AOF Test Check Program
Monthly Report
Round 2
February 2011
01/02/2011 – 28/02/2011

Result Reveal Dates

Lab Code	Date
A	01/03/2011
B	25/02/2011
C	01/03/2011
D	28/02/2011
E	07/02/2011
F	01/03/2011
G	01/03/2011
H	28/02/2011
I	01/03/2011
J	28/02/2011
K	16/02/2011
L	14/02/2011
M	17/02/2011
N	01/03/2011
O	28/02/2011

Discussion of Results

Test Weight

Sample 3 was the only sample that came out with an outlier for this test. The mean of this sample came out at 64.74 with a standard deviation of 0.92. Lab A was the only lab that produced a result 0.23 above the True Outlier Q3 of 66.37.

Impurities

Outliers detected for this test were found in sample 1 and sample 3. For sample 1, Lab C and Lab D both generated results of 0.44 and 0.15 above the True Outlier Q3 of 2.42. In sample 3 case, Lab A fell 0.03 below the True Outlier Q1 (1.43) whereas Lab N on the contrary, producing a result 0.03 above the True Outlier Q3 (3.02).

Oil Rapid

Lab A result of 44.05 in sample 3 came out 0.15 higher than the True Outlier Q3 of 43.9 whereas Lab E result of 41.85 in the same sample fell 0.05 below the True Outlier Q1 of 41.9. The mean for sample 3 was 42.9 with a standard deviation of 0.57. No outliers were detected for sample 1 and 2.



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Oil Solvent (ISO 659)

No outliers were submitted for sample 1 and 2 however for sample 3; an outlier was seen in Lab G with their result of 40.54, falling 1.33 below the True Outlier Q1 of 41.87. The mean for sample 3 was 42.71 with a standard deviation of 1.11.

Oil Solvent Reference (AOCS Method Am 2-93)

Lab H and Lab K were the only two Labs that submitted an outlier in sample 1 this round. The mean and standard deviation for this sample came out at 46.96 and 0.41 respectively. Lab H result of 47.45 came out 0.32 above the True Outlier Q3 whereas Lab K result of 46.32 came out 0.59 below the True Outlier Q1.

Moisture Oven

Sample 2 True Outlier Q1 and Q3 for this test came out at 6.04 and 6.73 respectively. Lab E submitted a result which was 0.43 higher than the True Outlier Q3 whereas Lab D generated a result 0.64 below the True Outlier Q1. In a similar trend, Lab D once again came out 0.56 lower for sample 3 which had a True Outlier Q1 of 7.61. Lab O also produced a result 1.25 below for sample 3 too.

Moisture Rapid

With a True Outlier Q1 of 7.50 for sample 1, Lab A Moisture Rapid result came out 0.15 below this value. In sample 3 case, Lab A and Lab E fell exactly on the spot of the True Outlier Q1 and Q3 of 7.75 and 8.75 respectively.

Oleic Oil

Lab D result of 68.10 for sample 3, recorded 0.95 above the True Outlier Q3 of 67.15. The mean of this sample came out at 65.31 with a standard deviation of 1.42

Linoleic Oil

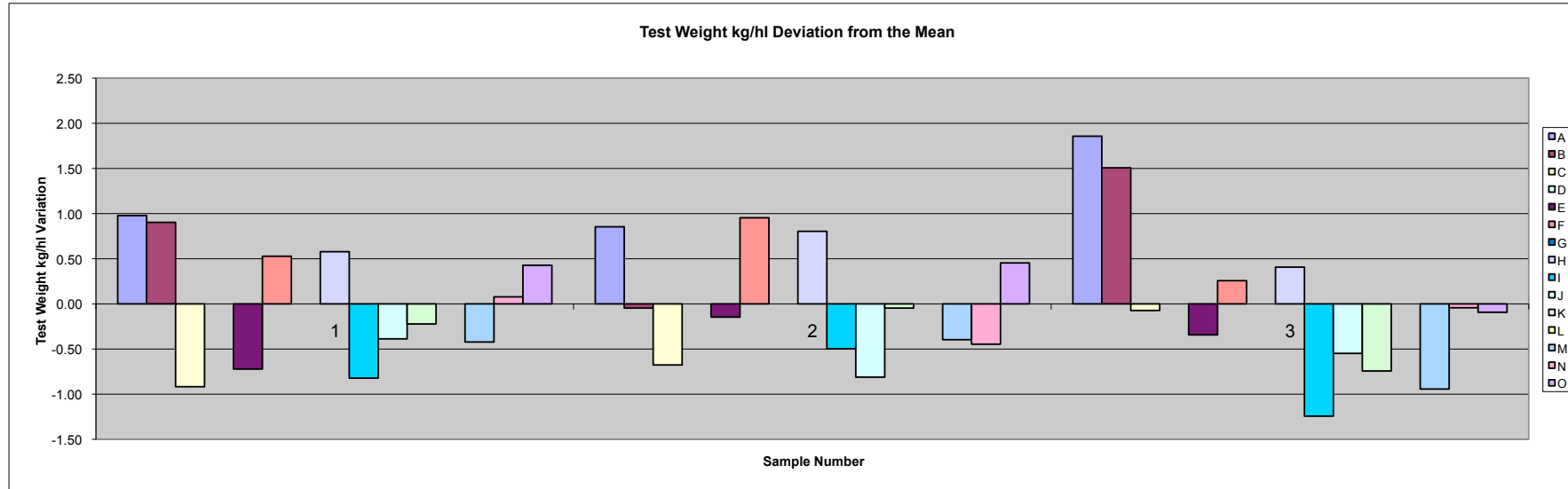
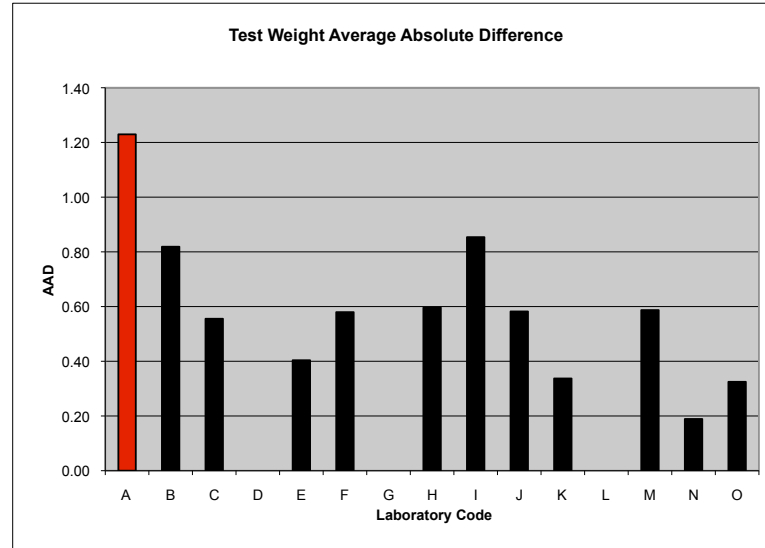
Lab D Linoleic Oil result of 22.75 for sample 1 came out 1.28 higher than the True Outlier Q3 of 21.47 whereas in sample 2, Lab D result of 16.92 for sample 2 fell 0.1 below the True Outlier Q1 of 18.1

Free Fatty Acid

Lab E was the only lab to submit results that fell out of the True Outliers for all 3 samples. A higher result difference of 0.04, 0.07 and 0.38 to the True Outlier Q3 trend was seen for sample 1, 2 and 3 respectively.

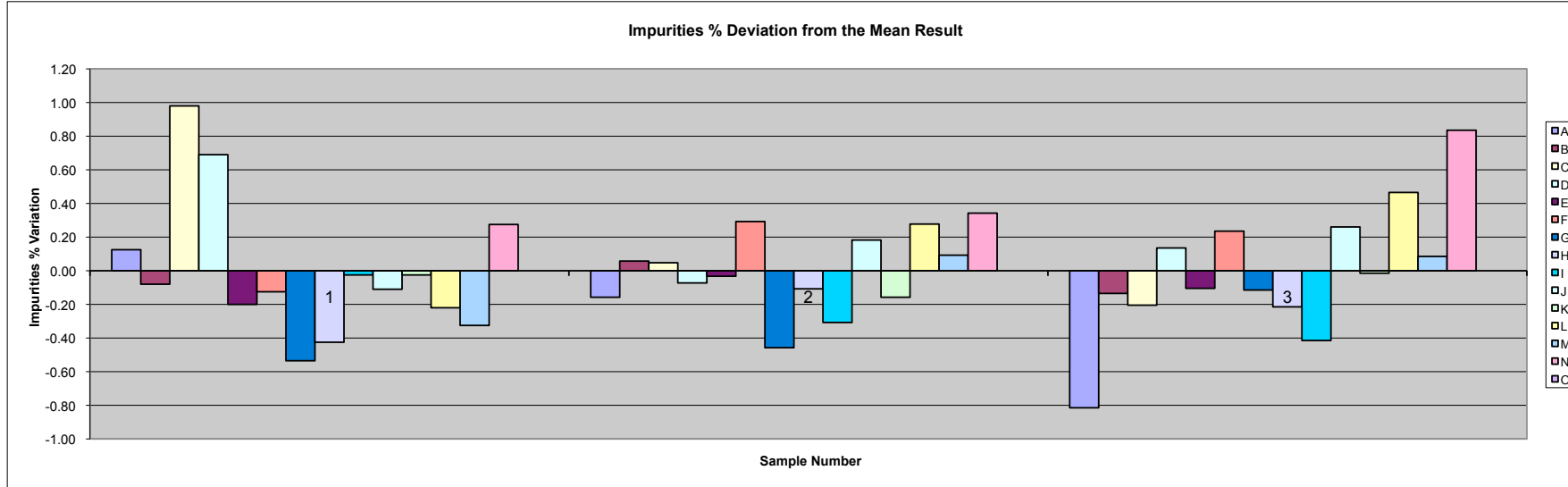
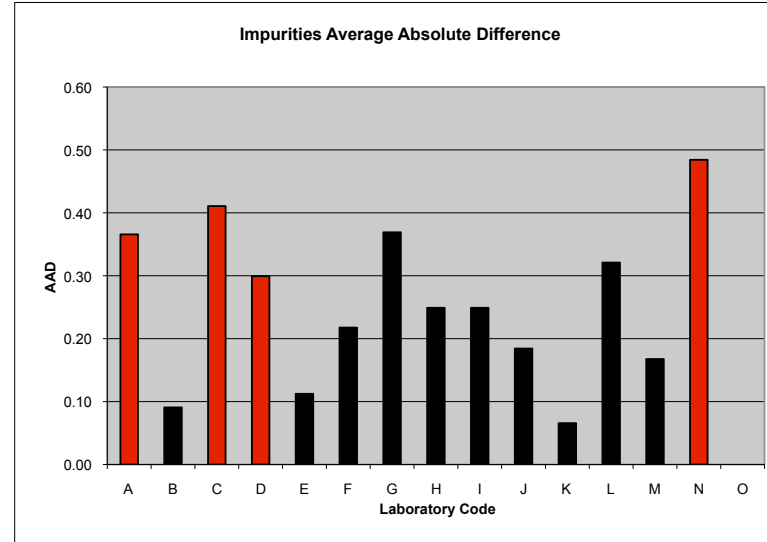
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Test Weight kg/hl								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	65.70	0.98	69.40	0.85	66.60	1.86	1.23	1.23
B	65.63	0.90	68.50	-0.05	66.25	1.51	0.79	0.82
C	63.81	-0.92	67.87	-0.68	64.67	-0.07	-0.56	0.56
D								
E	64.00	-0.72	68.40	-0.15	64.40	-0.34	-0.40	0.40
F	65.25	0.53	69.50	0.95	65.00	0.26	0.58	0.58
G								
H	65.30	0.58	69.35	0.80	65.15	0.41	0.60	0.60
I	63.90	-0.82	68.05	-0.50	63.50	-1.24	-0.85	0.85
J	64.34	-0.39	67.74	-0.81	64.20	-0.55	-0.58	0.58
K	64.50	-0.22	68.50	-0.05	64.00	-0.74	-0.34	0.34
L								
M	64.30	-0.42	68.15	-0.40	63.80	-0.94	-0.59	0.59
N	64.80	0.08	68.10	-0.45	64.70	-0.04	-0.14	0.19
O	65.15	0.43	69.00	0.45	64.65	-0.09	0.26	0.32
MEAN	64.72		68.55		64.74			0.59
STDEV	0.67		0.62		0.92			



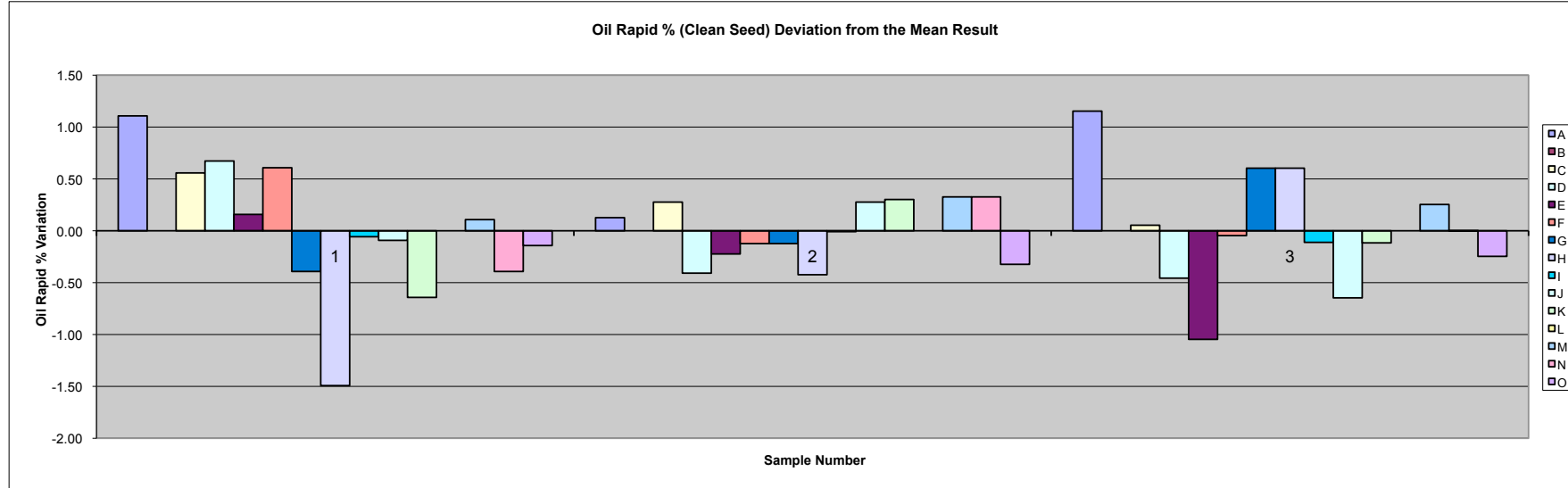
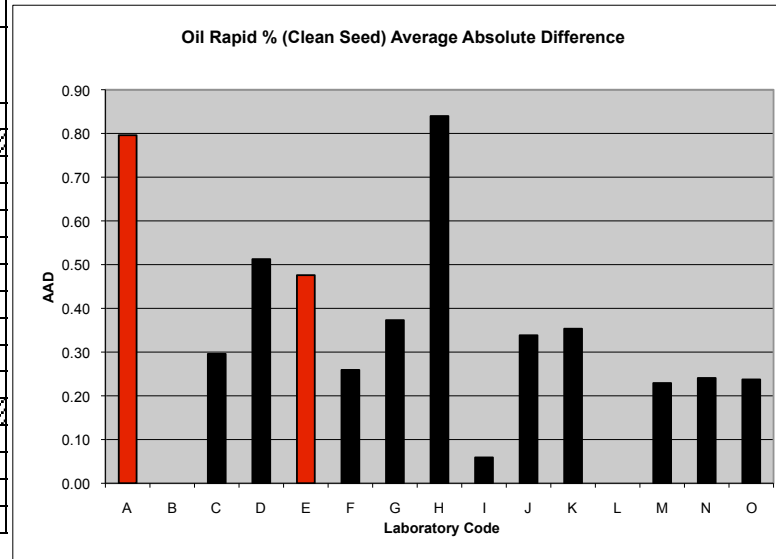
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Impurities %								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	2.00	0.13	0.70	-0.16	1.40	-0.81	-0.28	0.37
B	1.80	-0.08	0.92	0.06	2.08	-0.13	-0.05	0.09
C	2.86	0.98	0.91	0.05	2.01	-0.20	0.27	0.41
D	2.57	0.69	0.79	-0.07	2.35	0.14	0.25	0.30
E	1.68	-0.20	0.83	-0.03	2.11	-0.10	-0.11	0.11
F	1.75	-0.13	1.15	0.29	2.45	0.24	0.13	0.22
G	1.34	-0.54	0.40	-0.46	2.10	-0.11	-0.37	0.37
H	1.45	-0.43	0.75	-0.11	2.00	-0.21	-0.25	0.25
I	1.85	-0.03	0.55	-0.31	1.80	-0.41	-0.25	0.25
J	1.77	-0.11	1.04	0.18	2.48	0.26	0.11	0.18
K	1.85	-0.03	0.70	-0.16	2.20	-0.01	-0.07	0.07
L	1.66	-0.22	1.14	0.28	2.68	0.47	0.17	0.32
M	1.55	-0.33	0.95	0.09	2.30	0.09	-0.05	0.17
N	2.15	0.28	1.20	0.34	3.05	0.84	0.48	0.48
O								
MEAN	1.88		0.86		2.21			0.26
STDEV	0.41		0.23		0.40			



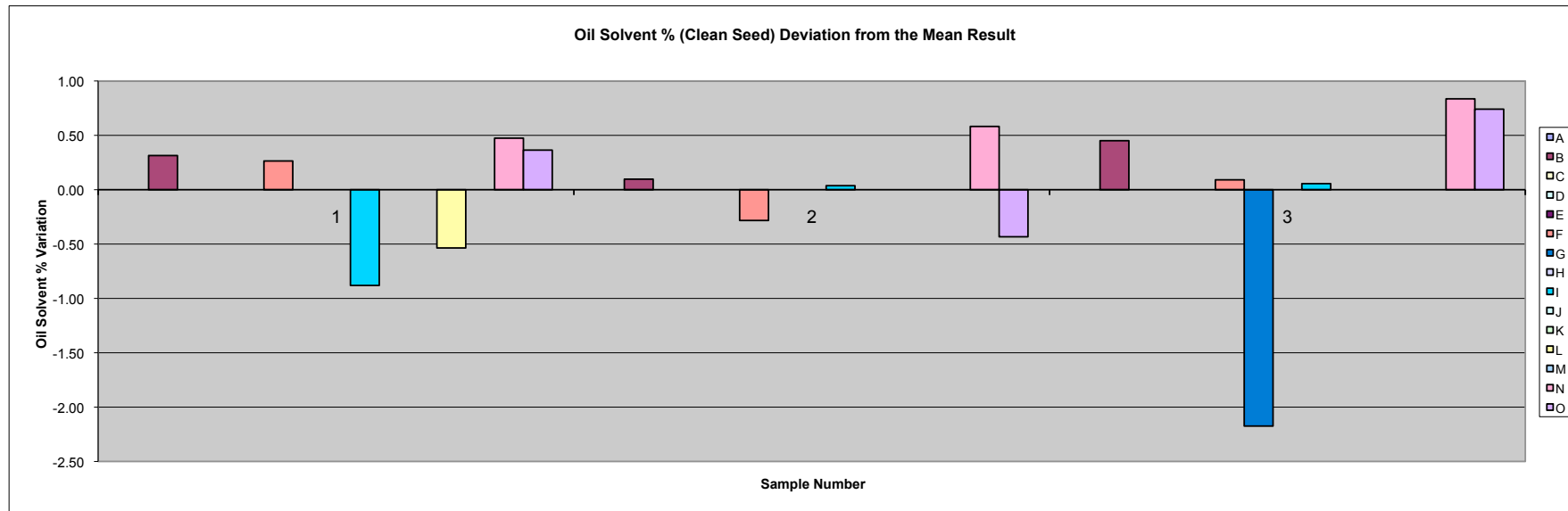
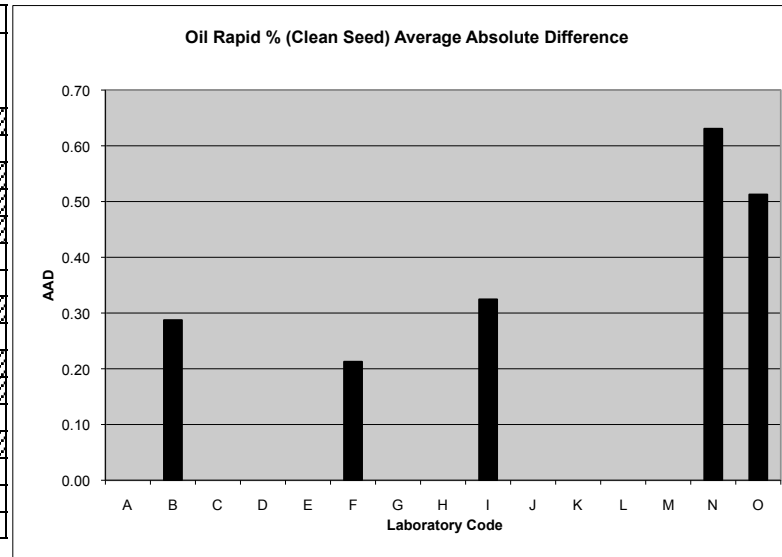
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Oil Rapid % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	47.30	1.11	40.15	0.13	44.05	1.15	0.80	0.80
B								
C	46.75	0.56	40.30	0.28	42.95	0.05	0.30	0.30
D	46.87	0.67	39.62	-0.41	42.44	-0.46	-0.06	0.51
E	46.35	0.16	39.80	-0.22	41.85	-1.05	-0.37	0.48
F	46.80	0.61	39.90	-0.12	42.85	-0.05	0.15	0.26
G	45.80	-0.39	39.90	-0.12	43.50	0.60	0.03	0.37
H	44.70	-1.49	39.60	-0.42	43.50	0.60	-0.44	0.84
I	46.14	-0.06	40.02	-0.01	42.79	-0.11	-0.06	0.06
J	46.10	-0.09	40.30	0.28	42.25	-0.65	-0.15	0.34
K	45.55	-0.64	40.33	0.30	42.78	-0.12	-0.15	0.35
L								
M	46.30	0.11	40.35	0.33	43.15	0.25	0.23	0.23
N	45.80	-0.39	40.35	0.33	42.90	0.00	-0.02	0.24
O	46.05	-0.14	39.70	-0.32	42.65	-0.25	-0.24	0.24
MEAN	46.19		40.02		42.90			0.39
STDEV	0.67		0.29		0.57			



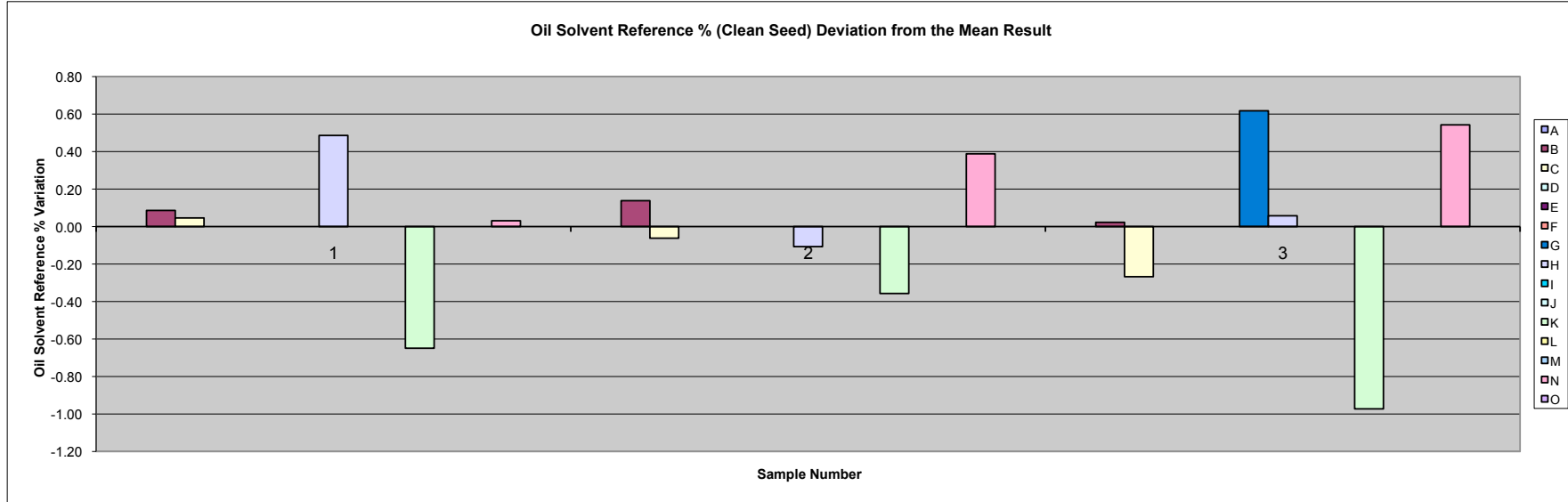
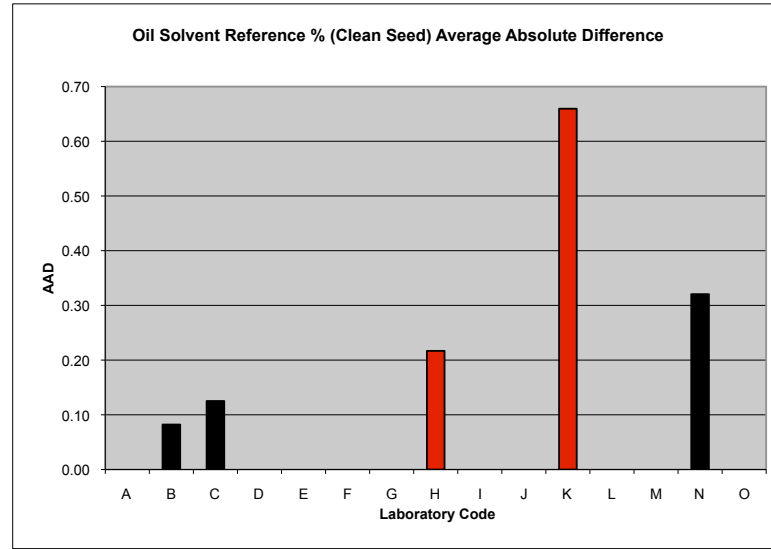
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Oil Solvent % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	47.10	0.31	40.03	0.10	43.16	0.45	0.29	0.29
C								
D								
E								
F	47.05	0.26	39.65	-0.28	42.80	0.09	0.02	0.21
G					40.54	-2.17		
H								
I	45.91	-0.88	39.97	0.04	42.77	0.06	-0.26	0.32
J								
K								
L	46.25	-0.54						
M								
N	47.26	0.47	40.52	0.58	43.55	0.84	0.63	0.63
O	47.15	0.36	39.50	-0.43	43.45	0.74	0.22	0.51
MEAN	46.79		39.93		42.71			0.39
STDEV	0.56		0.39		1.11			



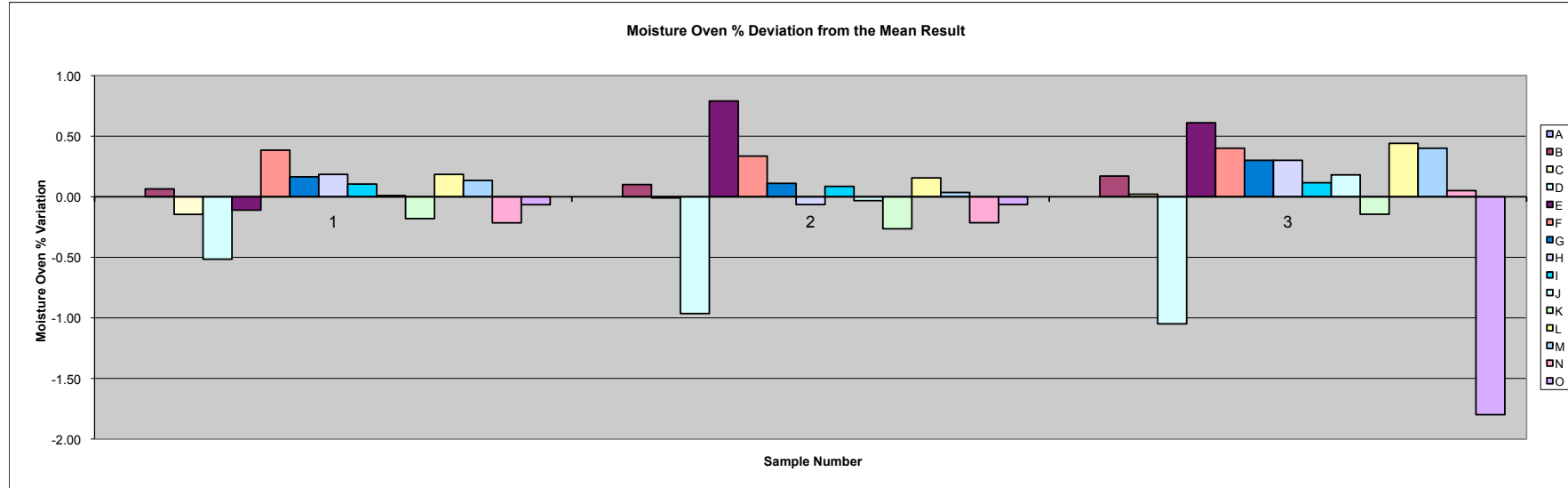
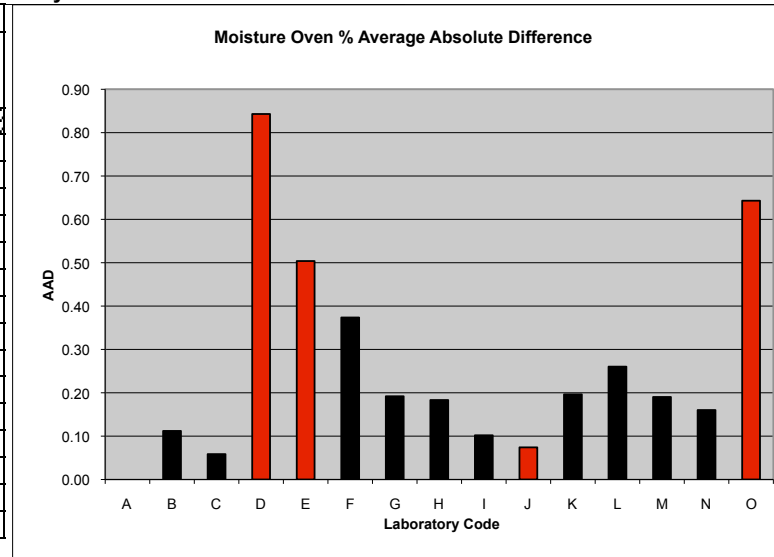
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Oil Solvent Reference % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	47.05	0.09	40.05	0.14	42.87	0.02	0.08	0.08
C	47.01	0.05	39.85	-0.06	42.58	-0.27	-0.09	0.13
D								
E								
F								
G					43.46	0.62		
H	47.45	0.49	39.80	-0.11	42.90	0.06	0.15	0.22
I								
J								
K	46.32	-0.65	39.55	-0.36	41.87	-0.97	-0.66	0.66
L								
M								
N	47.00	0.03	40.30	0.39	43.39	0.54	0.32	0.32
O								
MEAN	46.96		39.91		42.84			0.28
STDEV	0.41		0.28		0.58			



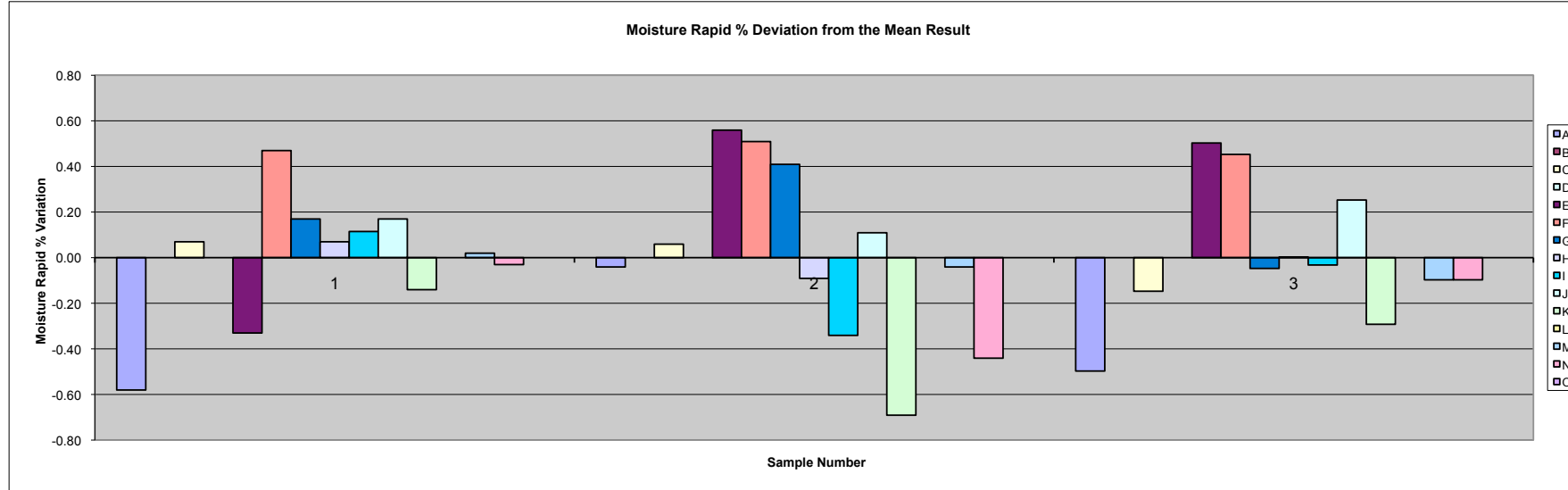
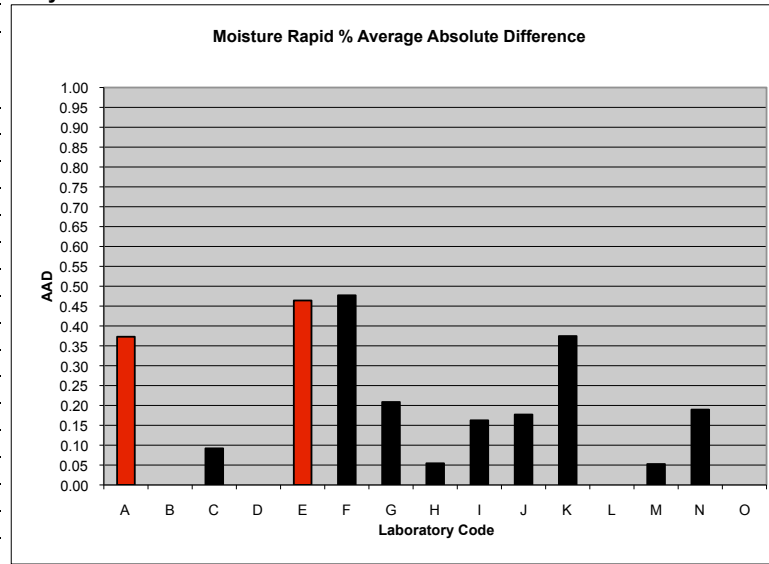
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Moisture Oven % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	7.83	0.06	6.47	0.10	8.27	0.17	0.11	0.11
C	7.62	-0.15	6.36	-0.01	8.12	0.02	-0.04	0.06
D	7.25	-0.52	5.40	-0.96	7.05	-1.05	-0.84	0.84
E	7.66	-0.11	7.16	0.79	8.71	0.61	0.43	0.50
F	8.15	0.38	6.70	0.34	8.50	0.40	0.37	0.37
G	7.93	0.16	6.48	0.11	8.40	0.30	0.19	0.19
H	7.95	0.18	6.30	-0.06	8.40	0.30	0.14	0.18
I	7.87	0.10	6.45	0.09	8.22	0.12	0.10	0.10
J	7.78	0.01	6.33	-0.03	8.28	0.18	0.05	0.07
K	7.59	-0.18	6.10	-0.26	7.96	-0.14	-0.20	0.20
L	7.95	0.18	6.52	0.16	8.54	0.44	0.26	0.26
M	7.90	0.13	6.40	0.04	8.50	0.40	0.19	0.19
N	7.55	-0.22	6.15	-0.21	8.15	0.05	-0.13	0.16
O	7.70	-0.07	6.30	-0.06	6.30	-1.80	-0.64	0.64
MEAN	7.77		6.36		8.10			0.28
STDEV	0.23		0.38		0.65			



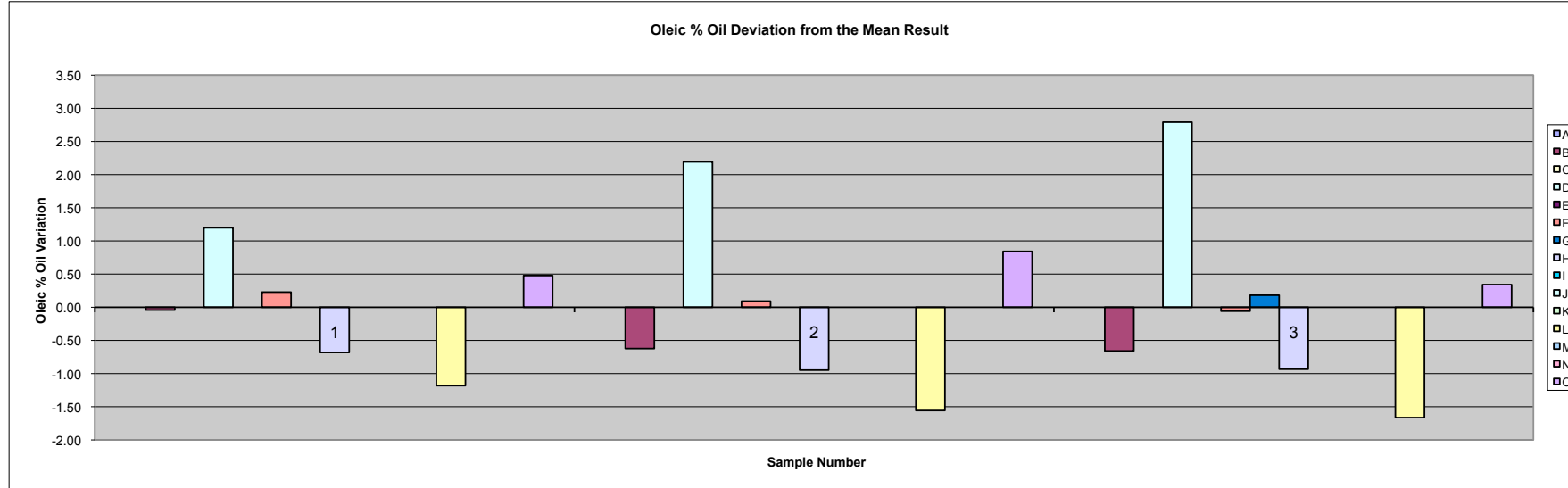
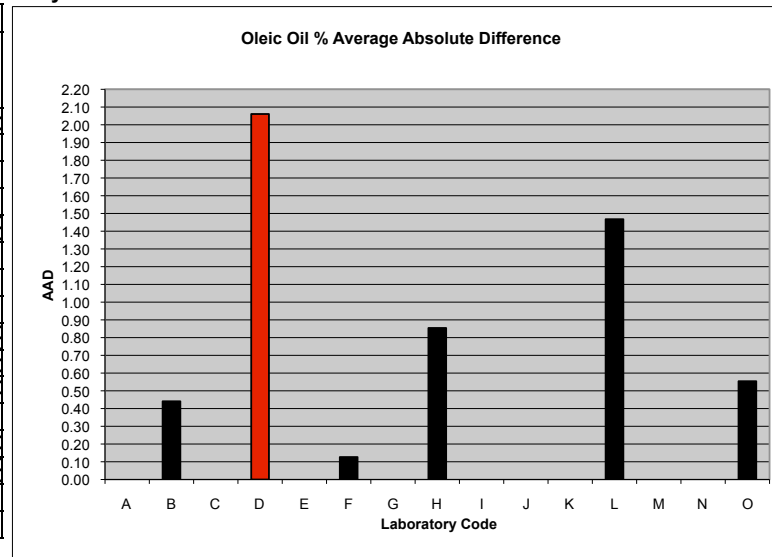
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Moisture Rapid % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	7.35	-0.58	6.75	-0.04	7.75	-0.50	-0.37	0.37
B								
C	8.00	0.07	6.85	0.06	8.10	-0.15	-0.01	0.09
D								
E	7.60	-0.33	7.35	0.56	8.75	0.50	0.24	0.46
F	8.40	0.47	7.30	0.51	8.70	0.45	0.48	0.48
G	8.10	0.17	7.20	0.41	8.20	-0.05	0.18	0.21
H	8.00	0.07	6.70	-0.09	8.25	0.00	-0.01	0.05
I	8.05	0.11	6.45	-0.34	8.22	-0.03	-0.09	0.16
J	8.10	0.17	6.90	0.11	8.50	0.25	0.18	0.18
K	7.79	-0.14	6.10	-0.69	7.96	-0.29	-0.37	0.37
L								
M	7.95	0.02	6.75	-0.04	8.15	-0.10	-0.04	0.05
N	7.90	-0.03	6.35	-0.44	8.15	-0.10	-0.19	0.19
O								
MEAN	7.93		6.79		8.25			0.24
STDEV	0.28		0.39		0.30			



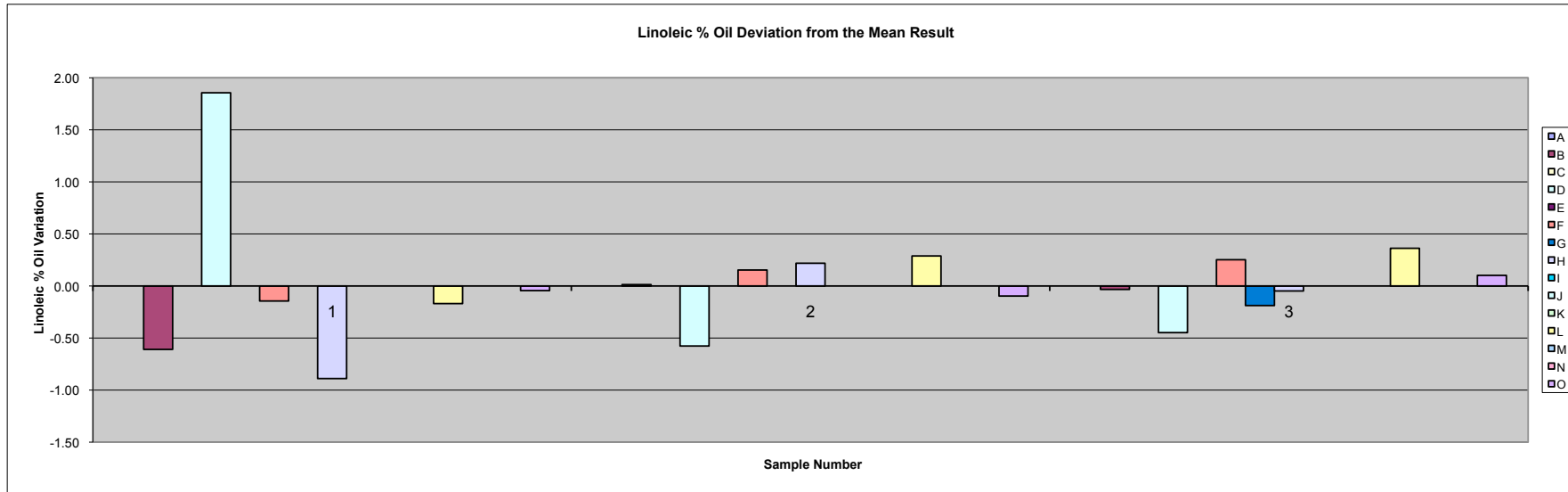
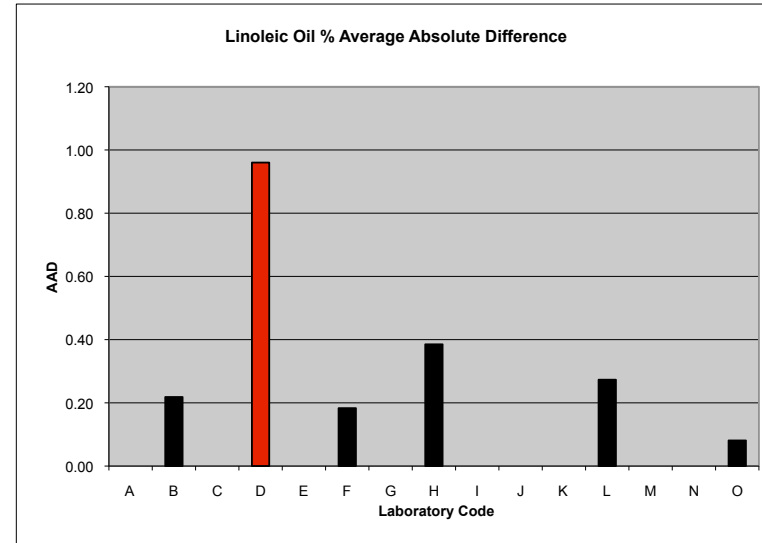
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Oleic % Oil Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	59.28	-0.04	65.14	-0.62	64.65	-0.66	-0.44	0.44
C								
D	60.52	1.20	67.95	2.19	68.10	2.79	2.06	2.06
E								
F	59.55	0.23	65.85	0.09	65.25	-0.06	0.09	0.13
G					65.49	0.18		
H	58.64	-0.68	64.81	-0.95	64.38	-0.93	-0.85	0.85
I								
J								
K								
L	58.14	-1.18	64.20	-1.56	63.65	-1.66	-1.47	1.47
M								
N								
O	59.80	0.48	66.60	0.84	65.65	0.34	0.55	0.55
MEAN	59.32		65.76		65.31			0.92
STDEV	0.85		1.36		1.42			



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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	20.29	-0.61	17.51	0.01	17.72	-0.03	-0.21	0.22
C								
D	22.75	1.86	16.92	-0.58	17.30	-0.45	0.28	0.96
E								
F	20.75	-0.14	17.65	0.15	18.00	0.25	0.09	0.18
G					17.56	-0.19		
H	20.01	-0.89	17.72	0.22	17.70	-0.05	-0.24	0.39
I								
J								
K								
L	20.73	-0.17	17.79	0.29	18.11	0.36	0.16	0.27
M								
N								
O	20.85	-0.04	17.40	-0.10	17.85	0.10	-0.01	0.08
MEAN	20.89		17.50		17.75			0.35
STDEV	0.97		0.32		0.27			



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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	0.29	-0.11	0.10	-0.07	0.25	-0.15	-0.11	0.11
C	0.34	-0.05	0.09	-0.08	0.16	-0.24	-0.12	0.12
D	0.46	0.07	0.12	-0.05	0.42	0.02	0.01	0.05
E	0.67	0.27	0.41	0.24	1.06	0.66	0.39	0.39
F	0.35	-0.04	0.20	0.03	0.30	-0.10	-0.04	0.06
G					0.43	0.03		
H	0.32	-0.07	0.08	-0.09	0.20	-0.20	-0.12	0.12
I								
J								
K	0.29	-0.10	0.19	0.02	0.35	-0.05	-0.05	0.06
L	0.43	0.04	0.18	0.01	0.42	0.02	0.02	0.02
M								
N								
O								
MEAN	0.39		0.17		0.40			0.12
STDEV	0.13		0.11		0.27			

