



09/10 AOF Test Check Program Monthly Report

Round 1

December 2009

01/12/2009 – 04/01/2010

Result Receival Dates

Lab Code	Date
K	03-Dec-09
E	07-Dec-09
D	14-Dec-09
J	14-Dec-09
A	18-Dec-09
L	18-Dec-09
I	22-Dec-09
O	23-Dec-09
B	24-Dec-09
C	24-Dec-09
H	28-Dec-09
N	29-Dec-09
F	04-Jan-10
G	Not submitted
M	Not submitted

Discussion of Results***Test Weight***

No outliers were identified in this round of testing for test weight. Lab F generated the highest average absolute difference of 0.95.

Impurities

No outliers were submitted for Impurities this round. Labs E and F produced the most consistent results generating an average absolute difference of 0.06.

Oil Rapid

No outliers were submitted by the participating laboratories for Oil Rapid. Labs C, I and K recorded the lowest average absolute differences for this method of 0.23 and 0.24.

Oil Solvent

No outliers were submitted by the participating laboratories for this method. Lab K submitted the most consistent results for this method and recorded the lowest average absolute difference of 0.11.



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Oil Solvent (AOCS Method Am 2-93)

Lab H generated results lower than the mean for all three samples, recording the highest average absolute difference of 1.48. Lab C recorded the lowest average absolute difference for this method of 0.16.

Oil SFE

No labs submitted results for Oil SFE this round.

Moisture Oven

Lab D generated an outlier for sample 3, recording a mean difference of -0.55. The result produced by lab E for sample 2 was significantly higher than the mean generating an outlier and the highest mean difference of 0.60. Lab L also submitted an outlier for sample 2 with a mean difference of 0.53. Lab B recorded the lowest average absolute difference of 0.06.

Moisture Rapid

No outliers were submitted for Moisture Rapid this round. Lab F submitted the most consistent results for this method and recorded the lowest mean of differences of 0.00 and average absolute difference of 0.04.

Oleic Oil

Lab F submitted results significantly lower than the mean producing outliers for all three samples. Lab F also generated the highest average absolute difference of 3.38. Good results were achieved by lab H with the lowest an average absolute difference of 0.16.

Linoleic Oil

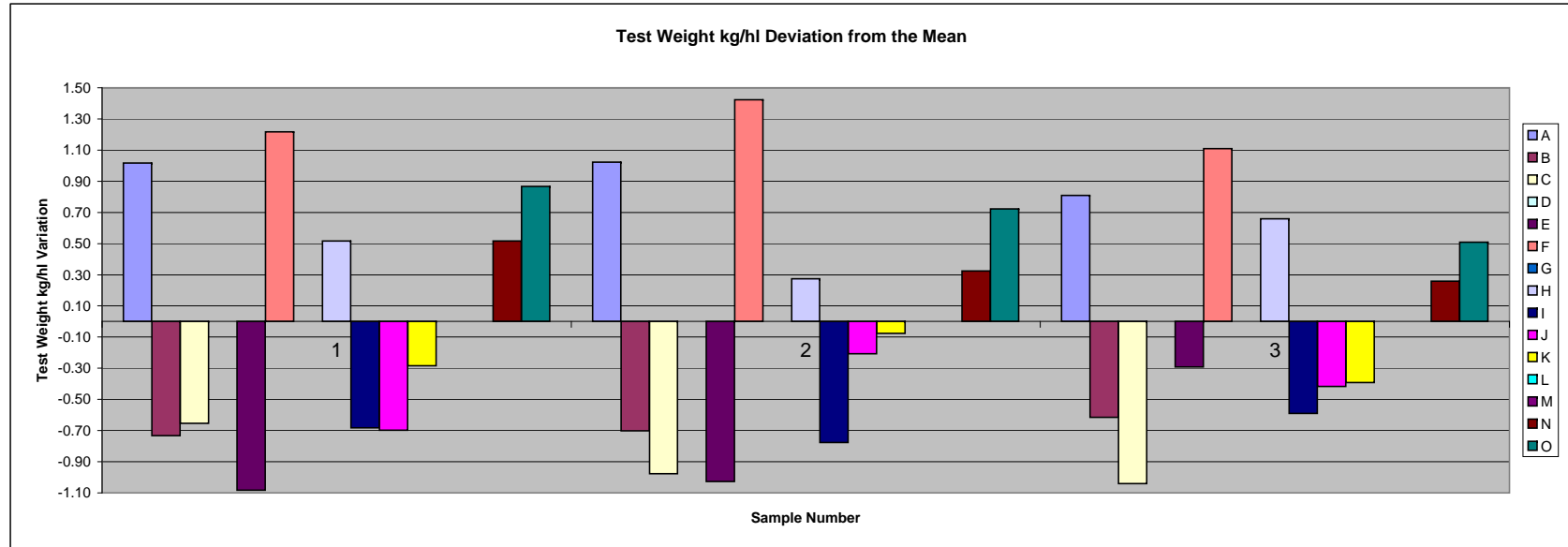
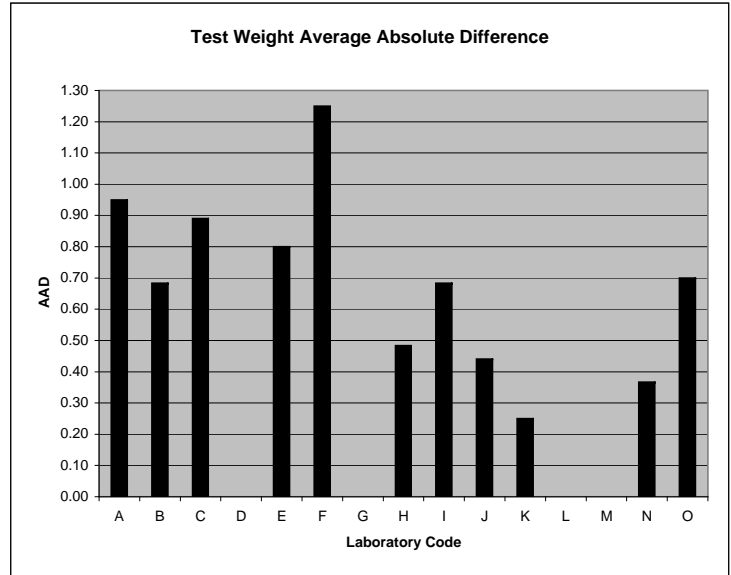
No outliers were submitted for Linoleic Oil this round.

Free Fatty Acid

Lab E generated an outlier for sample 1, recording a mean difference of 0.75. Lab E also generated the highest average absolute difference of 0.59. Lab L submitted excellent results for this method achieving the lowest average absolute difference of 0.02.

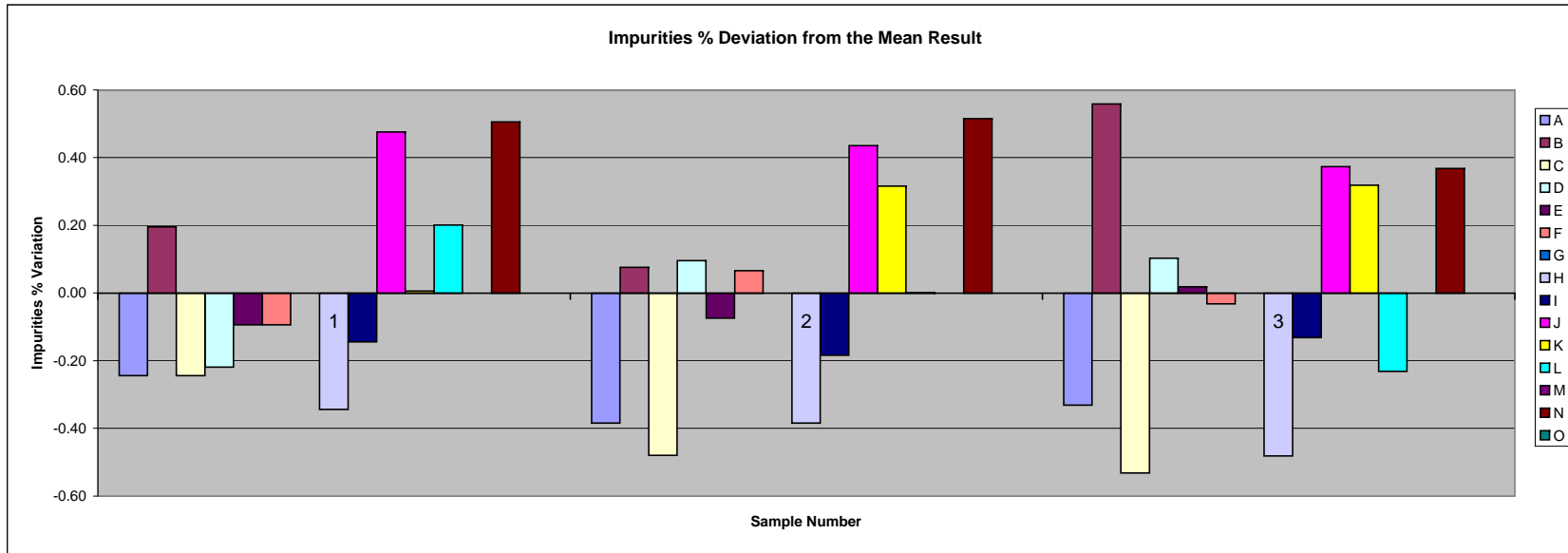
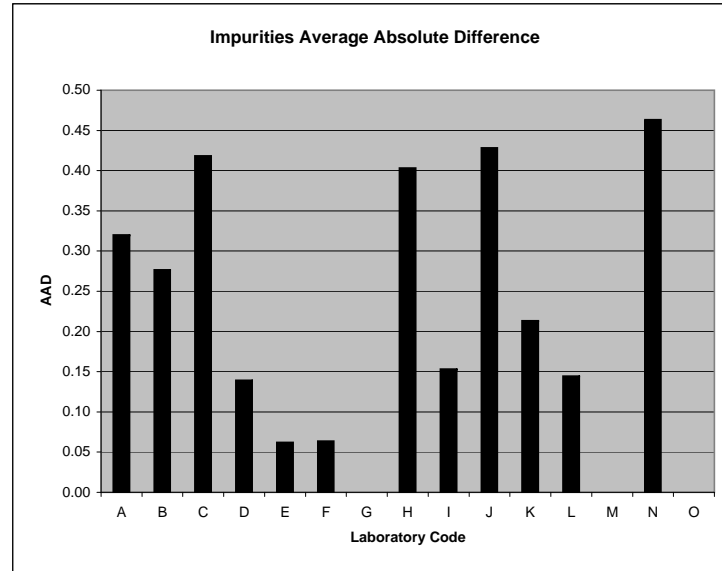
**2009/2010 AOF Test Check Program
Round 1 Summary - December**

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	67.30	1.02	69.10	1.02	69.20	0.81	0.95	0.95
B	65.55	-0.73	67.38	-0.70	67.78	-0.62	-0.68	0.68
C	65.63	-0.65	67.10	-0.98	67.35	-1.04	-0.89	0.89
D								
E	65.20	-1.08	67.05	-1.03	68.10	-0.29	-0.80	0.80
F	67.50	1.22	69.50	1.42	69.50	1.11	1.25	1.25
G								
H	66.80	0.52	68.35	0.27	69.05	0.66	0.48	0.48
I	65.60	-0.68	67.30	-0.78	67.80	-0.59	-0.68	0.68
J	65.59	-0.70	67.87	-0.21	67.98	-0.42	-0.44	0.44
K	66.00	-0.28	68.00	-0.08	68.00	-0.39	-0.25	0.25
L								
M								
N	66.80	0.52	68.40	0.32	68.65	0.26	0.37	0.37
O	67.15	0.87	68.80	0.72	68.90	0.51	0.70	0.70
MEAN	66.28		68.08		68.39			0.68
STDEV	0.83		0.83		0.70			



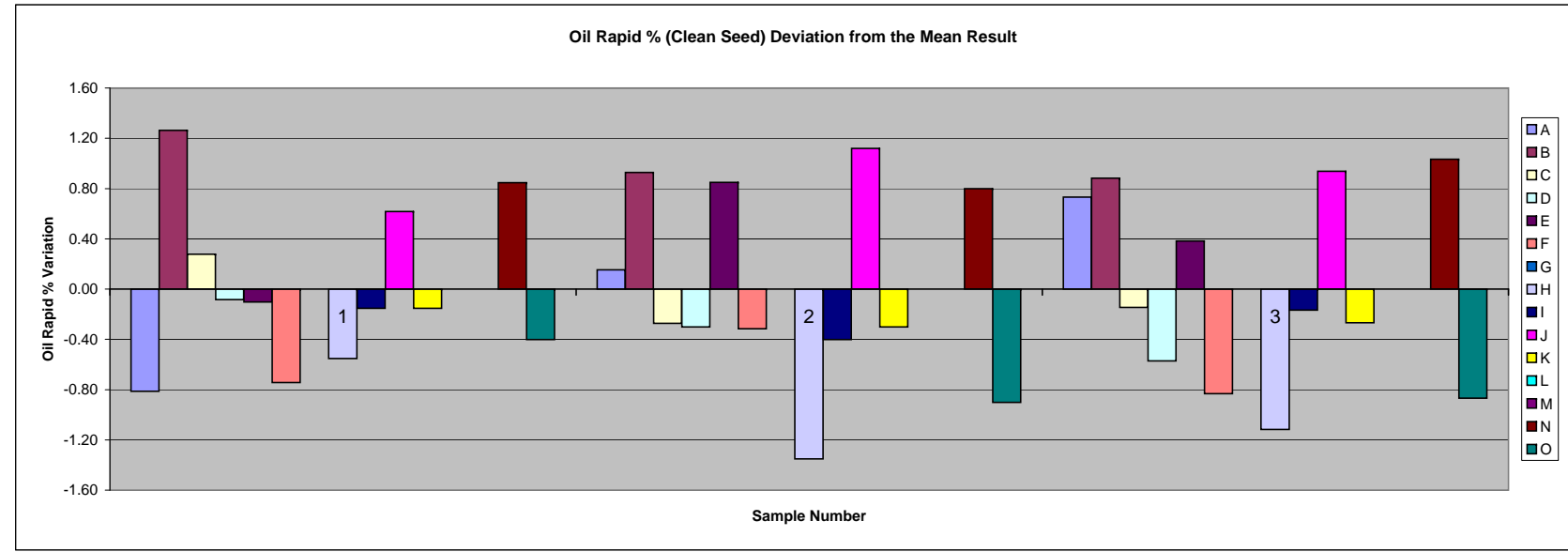
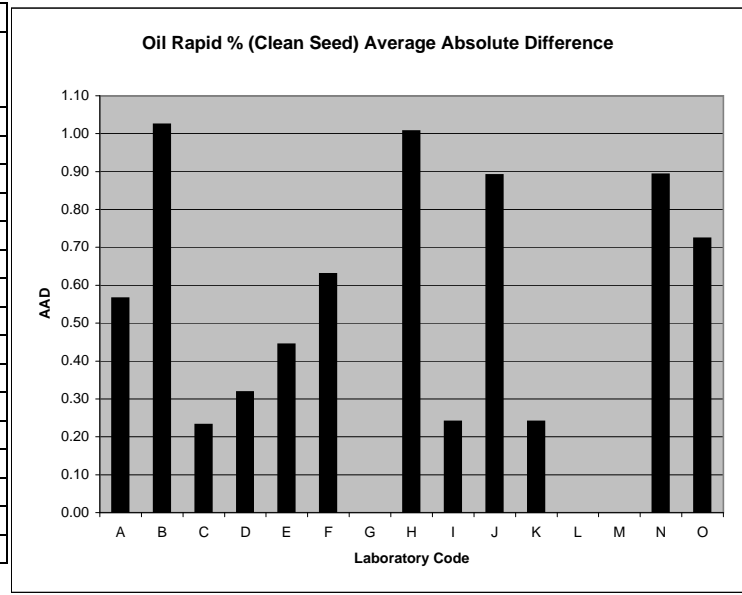
**2009/2010 AOF Test Check Program
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Impurities %								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	0.50	-0.24	0.60	-0.38	0.60	-0.33	-0.32	0.32
B	0.94	0.20	1.06	0.08	1.49	0.56	0.28	0.28
C	0.50	-0.24	0.51	-0.48	0.40	-0.53	-0.42	0.42
D	0.53	-0.22	1.08	0.10	1.04	0.10	-0.01	0.14
E	0.65	-0.09	0.91	-0.07	0.95	0.02	-0.05	0.06
F	0.65	-0.09	1.05	0.07	0.90	-0.03	-0.02	0.06
G								
H	0.40	-0.34	0.60	-0.38	0.45	-0.48	-0.40	0.40
I	0.60	-0.14	0.80	-0.18	0.80	-0.13	-0.15	0.15
J	1.22	0.48	1.42	0.44	1.31	0.37	0.43	0.43
K	0.75	0.01	1.30	0.32	1.25	0.32	0.21	0.21
L	0.95	0.20	0.99	0.00	0.70	-0.23	-0.01	0.14
M								
N	1.25	0.51	1.50	0.52	1.30	0.37	0.46	0.46
O								
MEAN	0.74		0.98		0.93			0.26
STDEV	0.28		0.32		0.36			



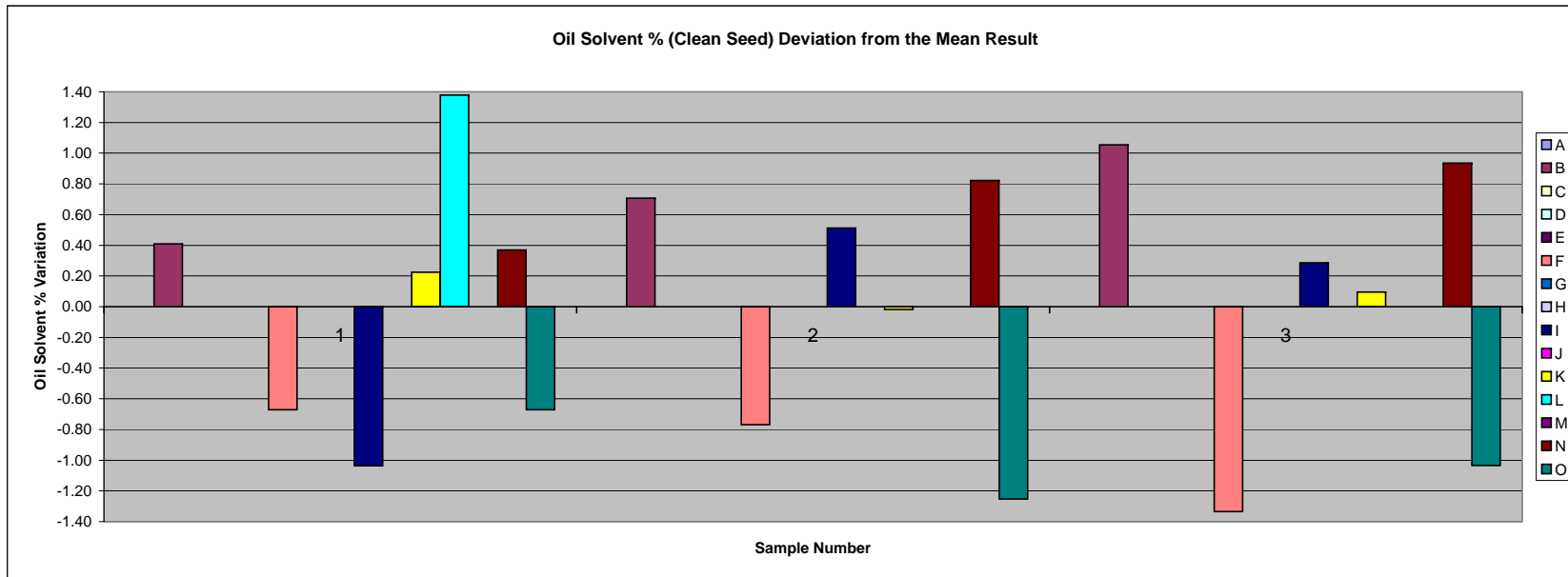
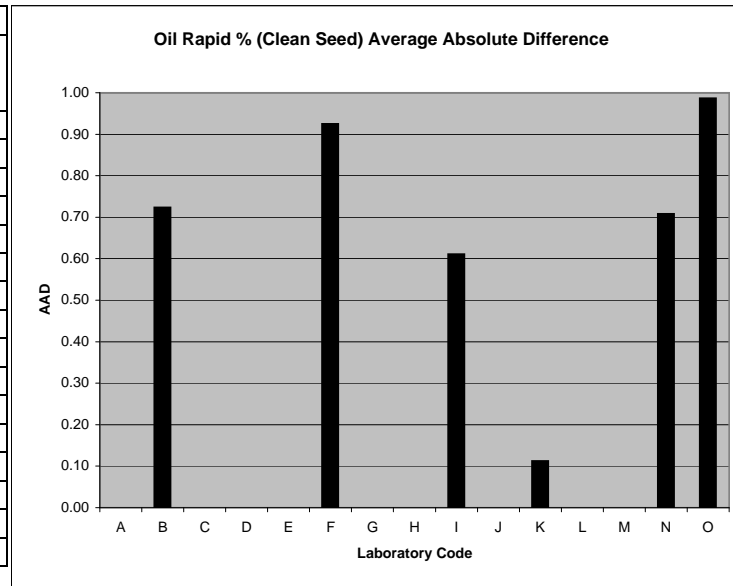
**2009/2010 AOF Test Check Program
Round 1 Summary - December**

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	41.69	-0.81	37.91	0.15	40.30	0.73	0.02	0.57
B	43.77	1.26	38.68	0.93	40.45	0.88	1.02	1.02
C	42.78	0.28	37.48	-0.27	39.42	-0.15	-0.05	0.23
D	42.42	-0.08	37.45	-0.30	39.00	-0.57	-0.32	0.32
E	42.40	-0.10	38.60	0.85	39.95	0.38	0.38	0.44
F	41.76	-0.74	37.44	-0.32	38.74	-0.83	-0.63	0.63
G								
H	41.95	-0.55	36.40	-1.35	38.45	-1.12	-1.01	1.01
I	42.35	-0.15	37.35	-0.40	39.40	-0.17	-0.24	0.24
J	43.12	0.62	38.87	1.12	40.51	0.94	0.89	0.89
K	42.35	-0.15	37.45	-0.30	39.30	-0.27	-0.24	0.24
L								
M								
N	43.35	0.85	38.55	0.80	40.60	1.03	0.89	0.89
O	42.10	-0.40	36.85	-0.90	38.70	-0.87	-0.72	0.72
MEAN	42.50		37.75		39.57			0.60
STDEV	0.64		0.78		0.77			



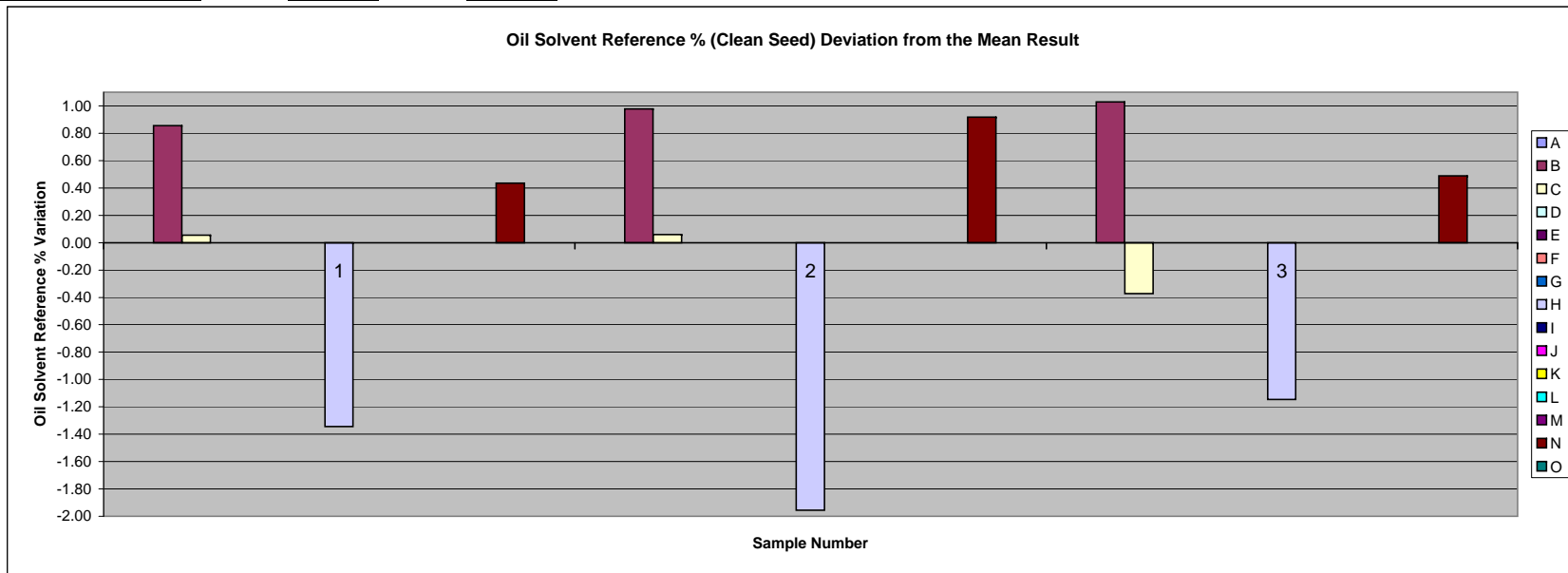
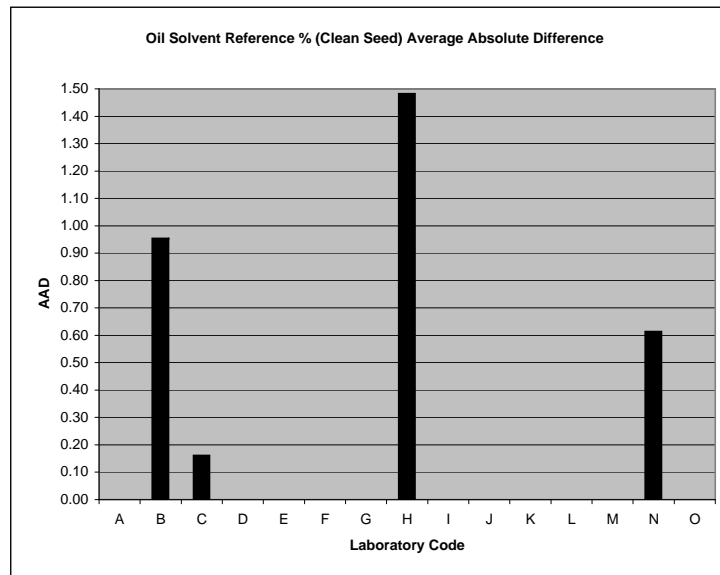
**2009/2010 AOF Test Check Program
Round 1 Summary - December**

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	43.23	0.41	38.36	0.71	40.39	1.06	0.72	0.72
C								
D								
E								
F	42.15	-0.67	36.89	-0.77	38.00	-1.34	-0.92	0.92
G								
H								
I	41.79	-1.04	38.17	0.51	39.62	0.29	-0.08	0.61
J								
K	43.05	0.22	37.64	-0.02	39.43	0.09	0.10	0.11
L	44.20	1.38						
M								
N	43.19	0.37	38.48	0.82	40.27	0.93	0.71	0.71
O	42.15	-0.67	36.40	-1.25	38.30	-1.04	-0.99	0.99
MEAN	42.82		37.65		39.34			0.68
STDEV	0.84		0.85		0.99			



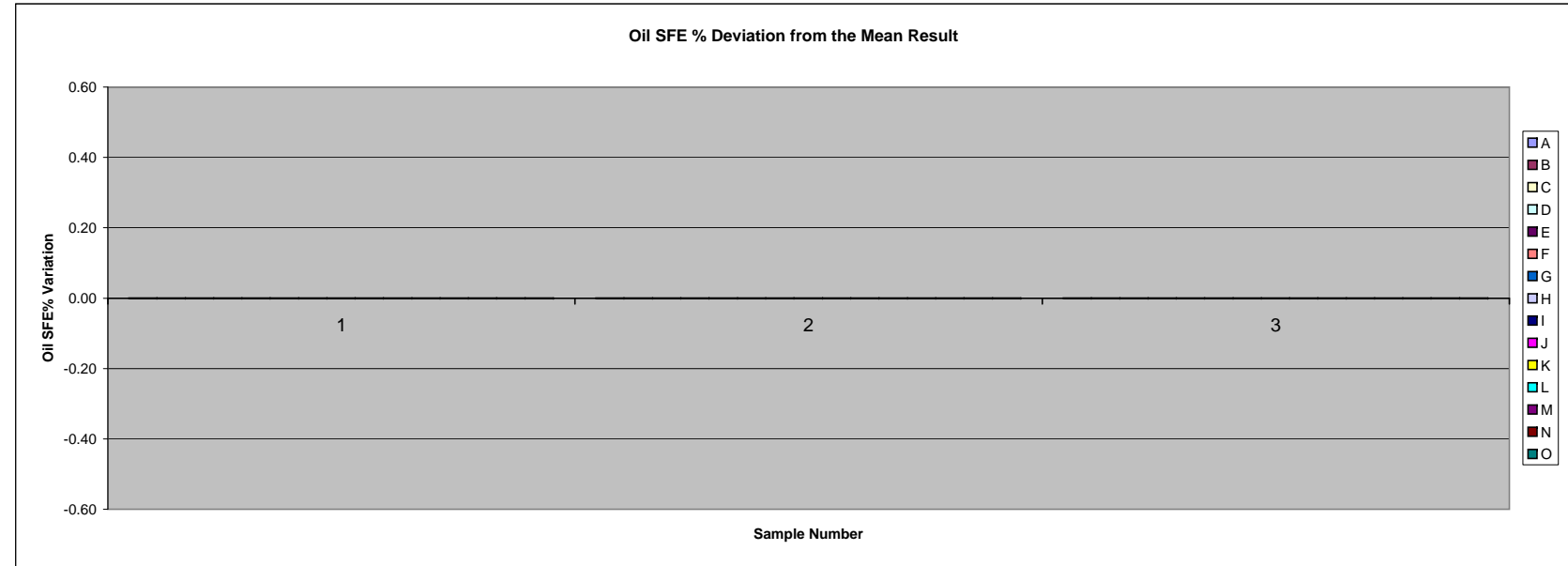
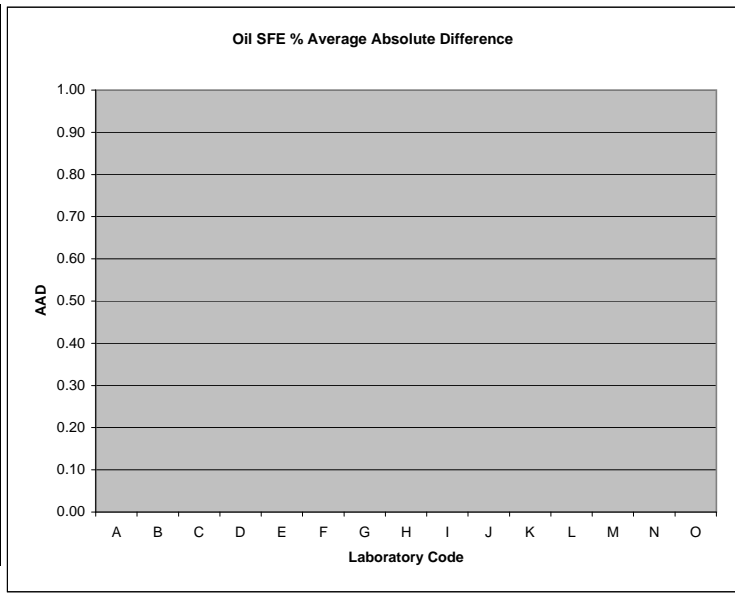
**2009/2010 AOF Test Check Program
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Oil Solvent Reference % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	43.95	0.86	38.89	0.98	40.78	1.03	0.95	0.95
C	43.15	0.05	37.97	0.06	39.38	-0.37	-0.09	0.16
D								
E								
F								
G								
H	41.75	-1.35	35.95	-1.96	38.60	-1.15	-1.48	1.48
I								
J								
K								
L								
M								
N	43.53	0.44	38.83	0.92	40.24	0.49	0.61	0.61
O								
MEAN	43.10		37.91		39.75			0.80
STDEV	0.95		1.37		0.96			



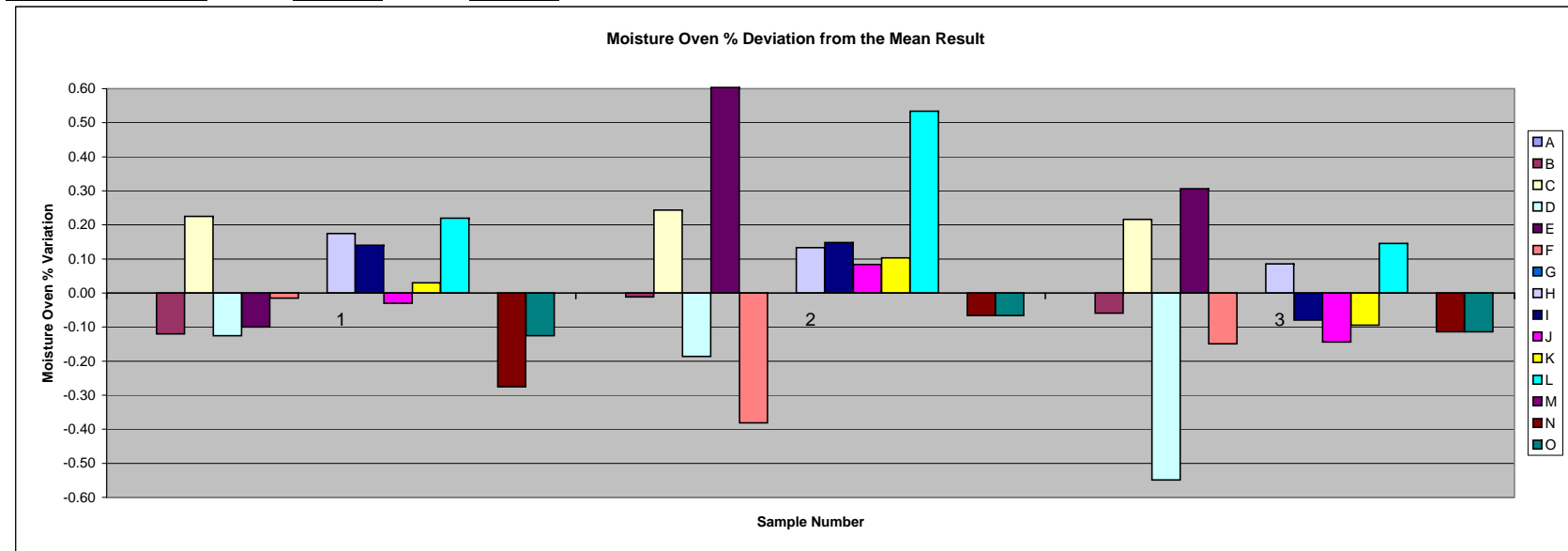
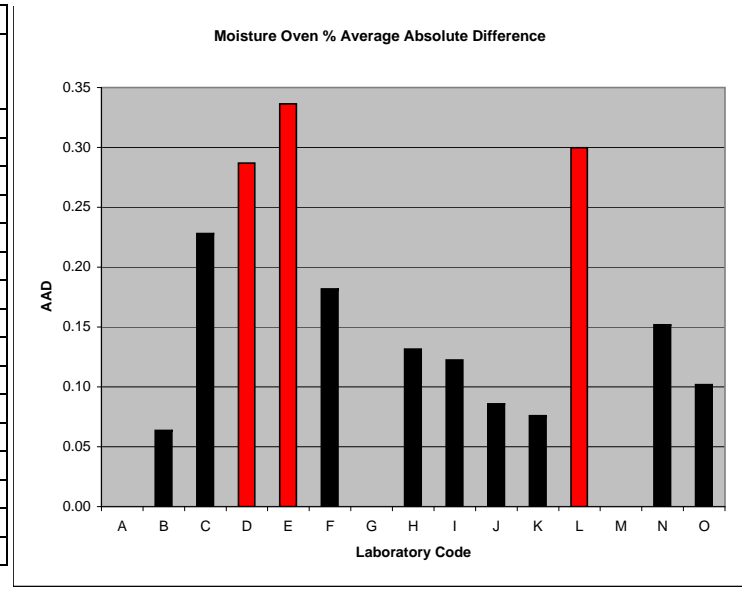
**2009/2010 AOF Test Check Program
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Oil SFE% Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B								
C								
D								
E								
F								
G								
H								
I								
J								
K								
L								
M								
N								
O								
MEAN	#DIV/0!		#DIV/0!		#DIV/0!			#DIV/0!
STDEV	#DIV/0!		#DIV/0!		#DIV/0!			#DIV/0!



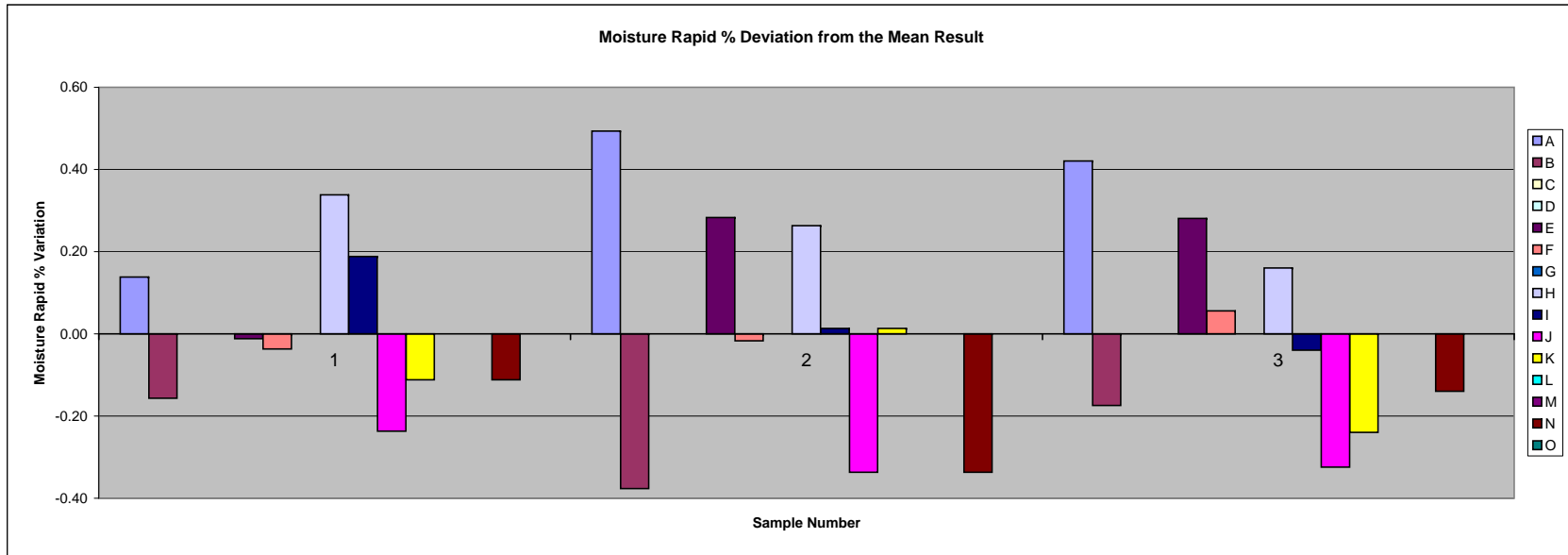
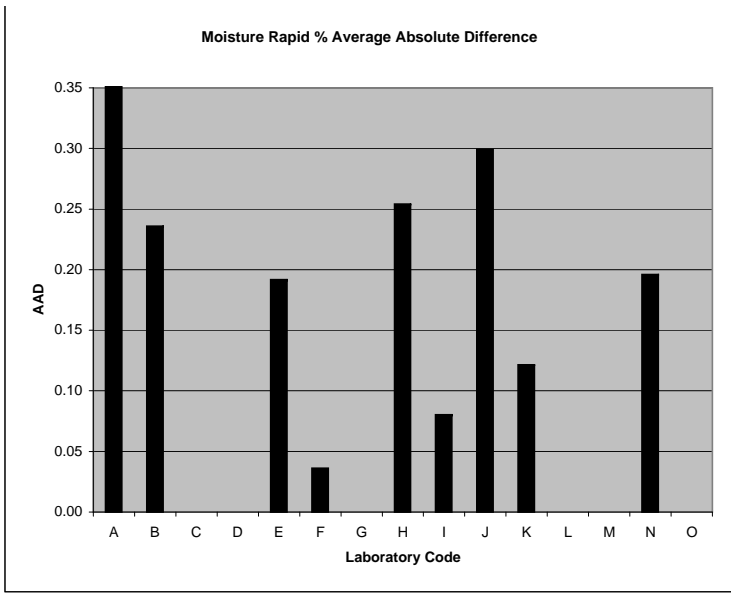
**2009/2010 AOF Test Check Program
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Moisture Oven % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	5.91	-0.12	5.46	-0.01	5.86	-0.06	-0.06	0.06
C	6.25	0.22	5.71	0.24	6.13	0.22	0.23	0.23
D	5.90	-0.13	5.28	-0.19	5.37	-0.55	-0.29	0.29
E	5.93	-0.10	6.07	0.60	6.22	0.31	0.27	0.34
F	6.01	-0.02	5.09	-0.38	5.77	-0.15	-0.18	0.18
G								
H	6.20	0.17	5.60	0.13	6.00	0.09	0.13	0.13
I	6.17	0.14	5.62	0.15	5.84	-0.08	0.07	0.12
J	6.00	-0.03	5.55	0.08	5.77	-0.14	-0.03	0.09
K	6.06	0.03	5.57	0.10	5.82	-0.09	0.01	0.08
L	6.25	0.22	6.00	0.53	6.06	0.15	0.30	0.30
M								
N	5.75	-0.28	5.40	-0.07	5.80	-0.11	-0.15	0.15
O	5.90	-0.13	5.40	-0.07	5.80	-0.11	-0.10	0.10
MEAN	6.03		5.47		5.91			0.17
STDEV	0.16		0.18		0.16			



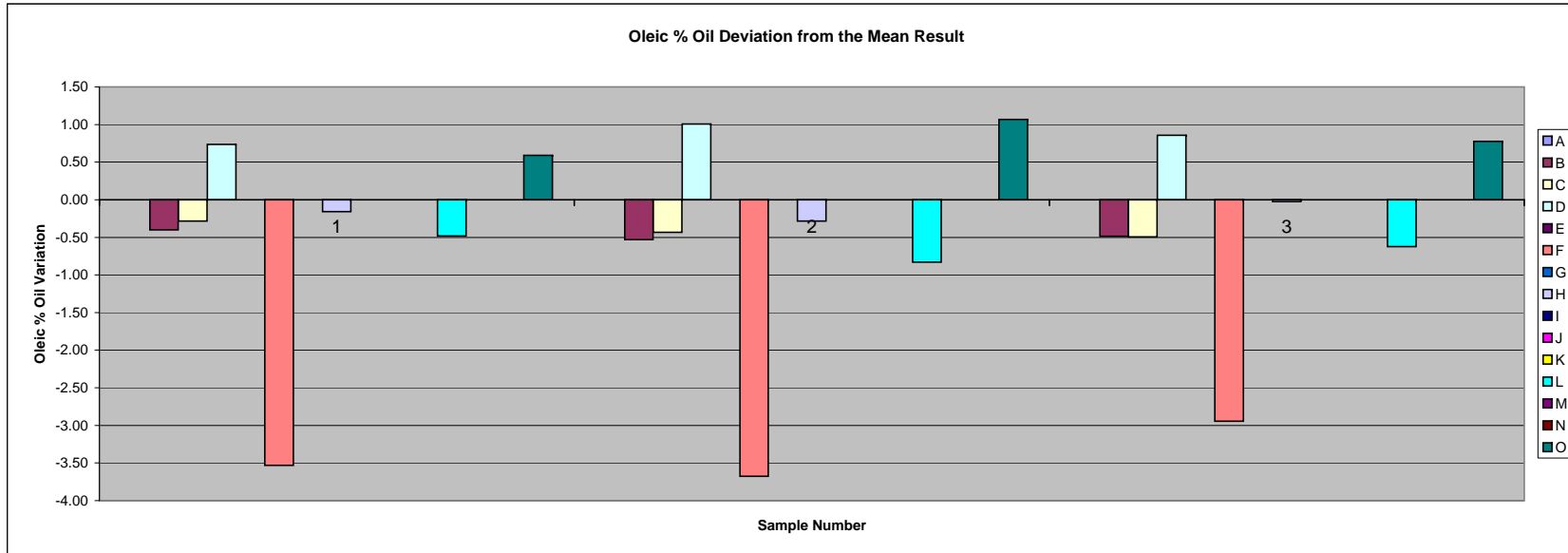
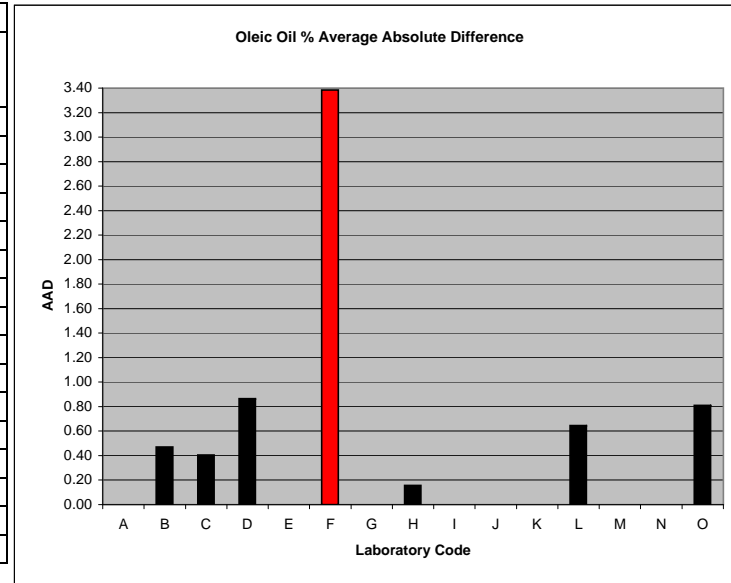
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Moisture Rapid % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	6.15	0.14	6.28	0.49	6.36	0.42	0.35	0.35
B	5.86	-0.16	5.41	-0.38	5.77	-0.17	-0.24	0.24
C								
D								
E	6.00	-0.01	6.07	0.28	6.22	0.28	0.18	0.19
F	5.98	-0.04	5.77	-0.02	6.00	0.06	0.00	0.04
G								
H	6.35	0.34	6.05	0.26	6.10	0.16	0.25	0.25
I	6.20	0.19	5.80	0.01	5.90	-0.04	0.05	0.08
J	5.78	-0.24	5.45	-0.34	5.62	-0.32	-0.30	0.30
K	5.90	-0.11	5.80	0.01	5.70	-0.24	-0.11	0.12
L								
M								
N	5.90	-0.11	5.45	-0.34	5.80	-0.14	-0.20	0.20
O								
MEAN	6.01		5.79		5.94			0.20
STDEV	0.19		0.26		0.21			



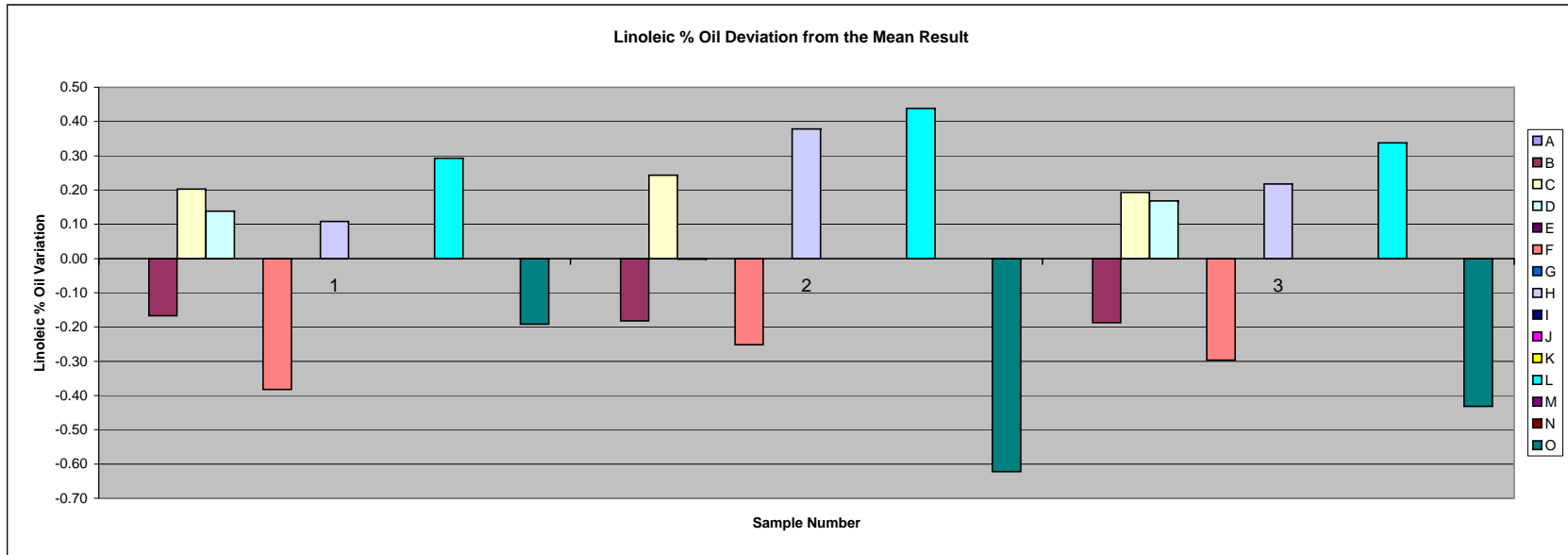
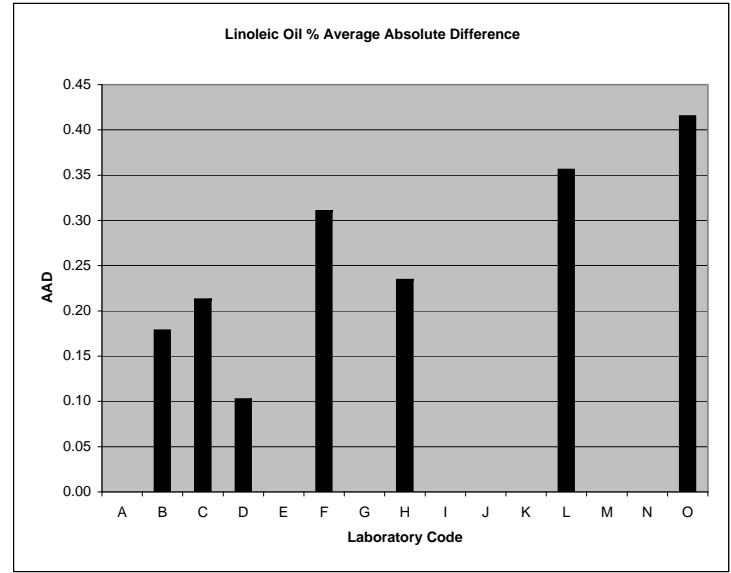
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Oleic % Oil Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	60.41	-0.40	59.96	-0.53	61.54	-0.48	-0.47	0.47
C	60.53	-0.29	60.05	-0.43	61.53	-0.49	-0.40	0.40
D	61.55	0.73	61.49	1.01	62.88	0.85	0.87	0.87
E								
F	57.28	-3.53	56.81	-3.68	59.08	-2.95	-3.38	3.38
G								
H	60.65	-0.16	60.20	-0.28	62.00	-0.02	-0.16	0.16
I								
J								
K								
L	60.33	-0.48	59.66	-0.83	61.40	-0.63	-0.64	0.64
M								
N								
O	61.40	0.59	61.55	1.07	62.80	0.77	0.81	0.81
MEAN	60.81		60.48		62.03			0.96
STDEV	0.53		0.82		0.66			



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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	19.83	-0.17	19.89	-0.18	19.35	-0.19	-0.18	0.18
C	20.20	0.20	20.32	0.24	19.73	0.19	0.21	0.21
D	20.13	0.14	20.07	0.00	19.70	0.17	0.10	0.10
E								
F	19.61	-0.38	19.82	-0.25	19.24	-0.30	-0.31	0.31
G								
H	20.10	0.11	20.45	0.38	19.75	0.22	0.23	0.23
I								
J								
K								
L	20.29	0.29	20.51	0.44	19.87	0.34	0.36	0.36
M								
N								
O	19.80	-0.19	19.45	-0.62	19.10	-0.43	-0.42	0.42
MEAN	19.99		20.07		19.53			0.26
STDEV	0.25		0.38		0.30			



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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	0.65	-0.21	0.49	-0.27	0.50	-0.13	-0.20	0.20
C	0.80	-0.05	0.85	0.09	0.45	-0.19	-0.05	0.11
D	0.91	0.06	0.65	-0.11	0.56	-0.08	-0.04	0.08
E	1.60	0.75	1.35	0.60	1.07	0.44	0.59	0.59
F	1.40	0.55	1.01	0.26	0.93	0.29	0.36	0.36
G								
H	0.55	-0.30	0.39	-0.36	0.34	-0.29	-0.32	0.32
I								
J								
K	0.82	-0.03	0.56	-0.19	0.58	-0.06	-0.09	0.09
L	0.84	-0.01	0.74	-0.02	0.66	0.02	0.00	0.02
M								
N								
O								
MEAN	0.85		0.75		0.63			0.22
STDEV	0.27		0.31		0.25			

