



08/09 AOF Test Check Program Monthly Report
Round 12
November 2009
02/11/2009 – 30/11/2009

Result Receiving Dates

Lab Code	Date
J	21-Oct-09
A	02-Nov-09
E	02-Nov-09
I	04-Nov-09
K	10-Nov-09
G	12-Nov-09
C	18-Nov-09
N	18-Nov-09
M	20-Nov-09
D	27-Nov-09
L	27-Nov-09
B	30-Nov-09
F	30-Nov-09
H	30-Nov-09
O	Not submitted

Discussion of Results

Test Weight

Lab A produced an outlier for sample 1 and generated the average absolute difference of 1.05.

Impurities

No outliers were submitted for Impurities this round.

Oil Rapid

The result produced by lab A for sample 2 was significantly higher than the mean recording a mean difference of 2.59. However the lab submitted good results for samples 1 and 3 suggesting the error causing the outlier seen for sample 2 was restricted to that particular sample. Lab G generated outliers for sample 1 and 2, recording the highest average absolute difference of 2.35.

Oil Solvent

The result produced by lab G for sample 2 was significantly lower than the mean recording a mean difference of -1.83.



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Oil Solvent (AOCS Method Am 2-93)

Lab H generated outliers for sample 2 and 3, recording the highest average absolute difference of 3.80.

Oil SFE

No labs submitted results for Oil SFE this round.

Moisture Oven

Lab C generated outliers for sample 1 and 2, recording the highest average absolute difference of 0.56. Lab D generated an outlier for sample 2 with a mean difference of – 0.66.

Moisture Rapid

No outliers were submitted for Moisture Rapid this round.

Oleic Oil

No outliers were submitted for Oleic Oil this round.

Linoleic Oil

Lab C generated outlier for sample 3, recording the highest average absolute difference of 0.52. The result produced by lab L for sample 3 was significantly higher than the mean recording a mean difference of 0.42. However the lab submitted good results for samples 1 and 2 and generated a relatively low average absolute difference of 0.22.

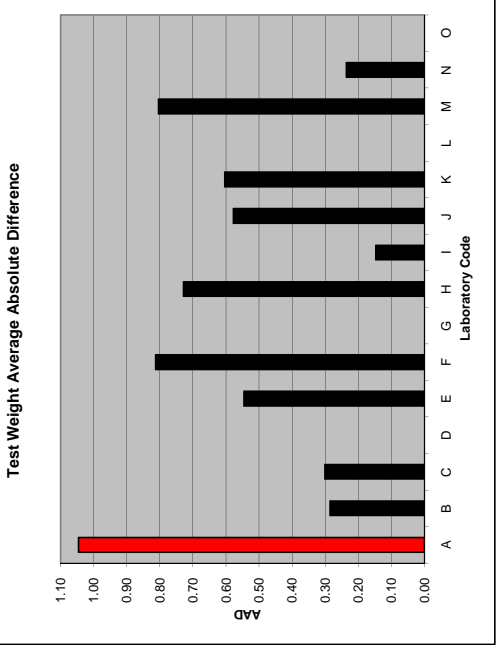
Free Fatty Acid

Lab E submitted results higher than the mean and produced outliers for all three samples. Lab E also generated the highest average absolute difference of 0.37. Good results were achieved by the remaining participants.

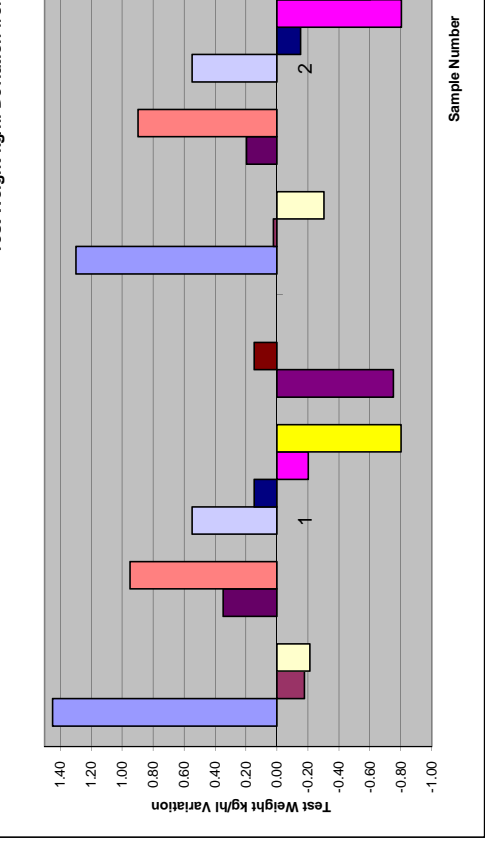
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Test Weight kg/hi

Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	70.00	1.45	68.90	1.30	68.80	0.39	1.05	1.05
B	68.38	-0.18	67.63	0.02	67.75	-0.66	-0.27	0.29
C	68.34	-0.21	67.30	-0.30	68.02	-0.39	-0.30	0.30
D								
E	68.90	0.35	67.80	0.20	69.50	1.09	0.55	0.55
F	69.50	0.95	68.50	0.90	69.00	0.59	0.81	0.81
G								
H	69.10	0.55	68.15	0.55	69.50	1.09	0.73	0.73
I	68.70	0.15	67.45	-0.15	68.55	0.14	0.05	0.15
J	68.35	-0.20	66.80	-0.80	67.68	-0.73	-0.58	0.58
K	67.75	-0.80	67.00	-0.60	68.00	-0.41	-0.60	0.60
L								
M	67.80	-0.75	66.75	-0.85	67.60	-0.81	-0.80	0.80
N	68.70	0.15	67.35	-0.25	68.10	-0.31	-0.14	0.24
O								
MEAN	68.55		67.60		68.41			0.55
STDEV	0.55		0.69		0.70			

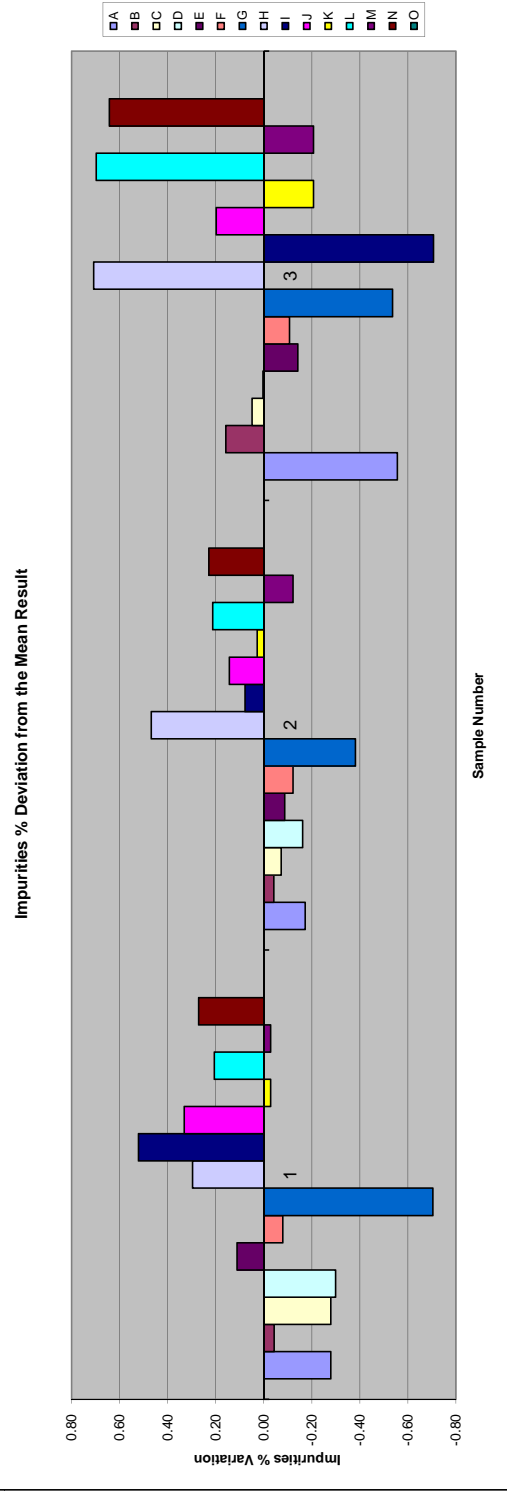
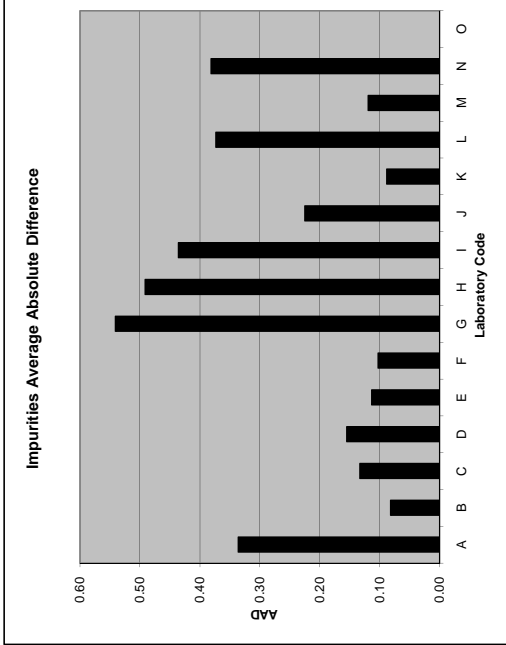


Test Weight kg/hi Deviation from the Mean



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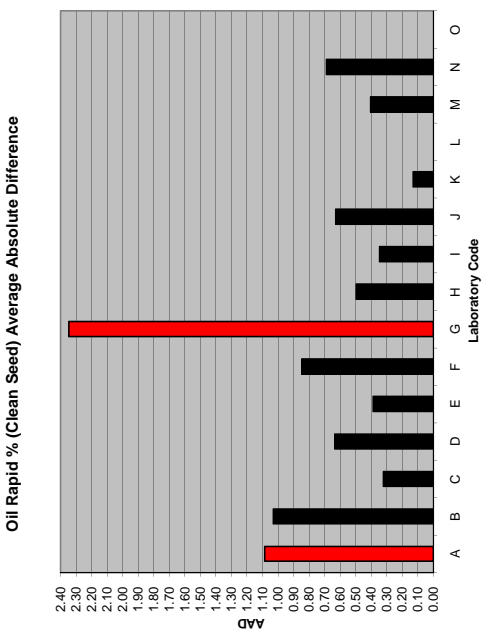
Lab	Impurities %									
	Sample 1		Sample 2		Sample 3		Mean of Differences		Average Absolute Difference	
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean	Difference	Absolute	Difference	Absolute
A	0.70	-0.28	0.60	-0.17	1.30	-0.56	-0.34	0.34	0.34	
B	0.94	-0.04	0.73	-0.04	2.02	0.16	0.02	0.08	0.08	
C	0.70	-0.28	0.70	-0.07	1.91	0.05	-0.10	0.13	0.13	
D	0.68	-0.30	0.61	-0.16	1.86	0.00	-0.15	0.15	0.15	
E	1.09	0.11	0.69	-0.09	1.72	-0.14	-0.04	0.11	0.11	
F	0.90	-0.08	0.65	-0.12	1.75	-0.11	-0.10	0.10	0.10	
G	0.28	-0.70	0.39	-0.38	1.32	-0.54	-0.54	0.54	0.54	
H	1.28	0.30	1.24	0.47	2.57	0.71	0.49	0.49	0.49	
I	1.50	0.52	0.85	0.08	1.15	-0.71	-0.04	0.44	0.44	
J	1.31	0.33	0.92	0.14	2.06	0.20	0.22	0.22	0.22	
K	0.95	-0.03	0.80	0.03	1.65	-0.21	-0.07	0.09	0.09	
L	1.19	0.21	0.99	0.21	2.56	0.70	0.37	0.37	0.37	
M	0.95	-0.03	0.65	-0.12	1.65	-0.21	-0.12	0.12	0.12	
N	1.25	0.27	1.00	0.23	2.50	0.64	0.38	0.38	0.38	
O										
MEAN	0.98		0.77		1.86			0.26		
STDEV	0.32		0.21		0.45					



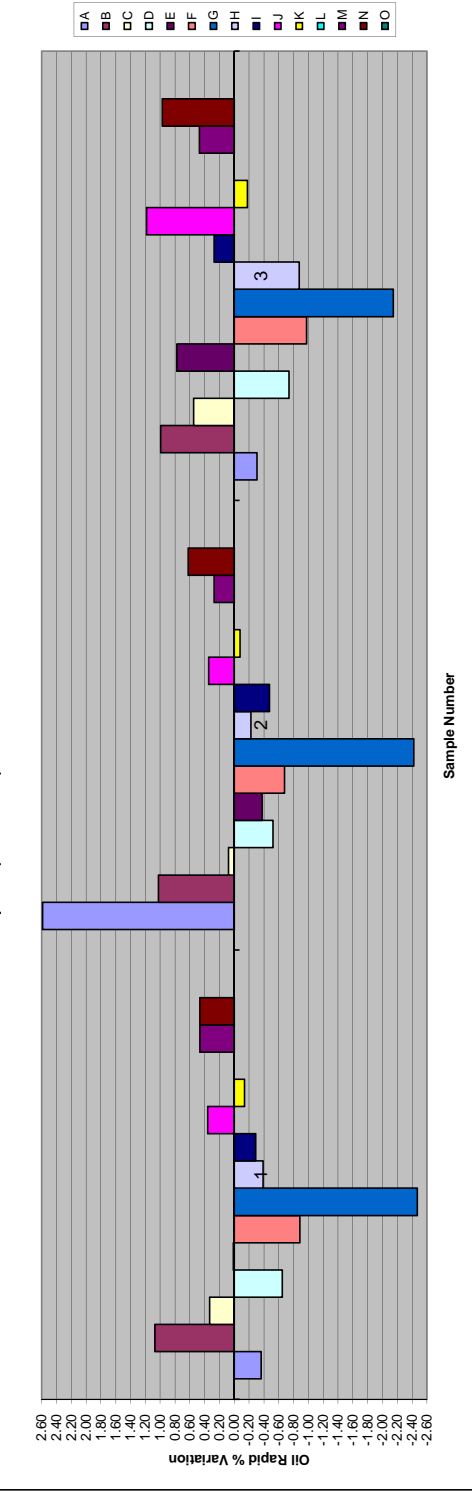
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Oil Rapid % (Clean Seed) Deviation from the Mean

Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	40.13	-0.36	44.82	2.59	36.92	-0.31	0.64	1.09
B	41.56	1.07	43.25	1.02	38.22	0.99	1.03	1.03
C	40.82	0.33	42.31	0.08	37.78	0.55	0.32	0.32
D	39.84	-0.65	41.71	-0.52	36.49	-0.74	-0.63	0.63
E	40.50	0.01	41.85	-0.38	38.00	0.77	0.14	0.39
F	39.60	-0.89	41.55	-0.68	36.25	-0.98	-0.85	0.85
G	38.02	-2.47	39.81	-2.42	35.08	-2.15	-2.35	2.35
H	40.10	-0.39	42.00	-0.23	36.35	-0.88	-0.50	0.50
I	40.20	-0.29	41.75	-0.48	37.50	0.27	-0.16	0.35
J	40.85	0.36	42.57	0.34	38.41	1.18	0.63	0.63
K	40.35	-0.14	42.15	-0.08	37.05	-0.18	-0.13	0.13
L								
M	40.95	0.46	42.50	0.27	37.70	0.47	0.40	0.40
N	40.95	0.46	42.85	0.62	38.20	0.97	0.69	0.69
O								
MEAN	40.49		42.23		37.23			0.72
STDEV	0.56		0.53		0.98			

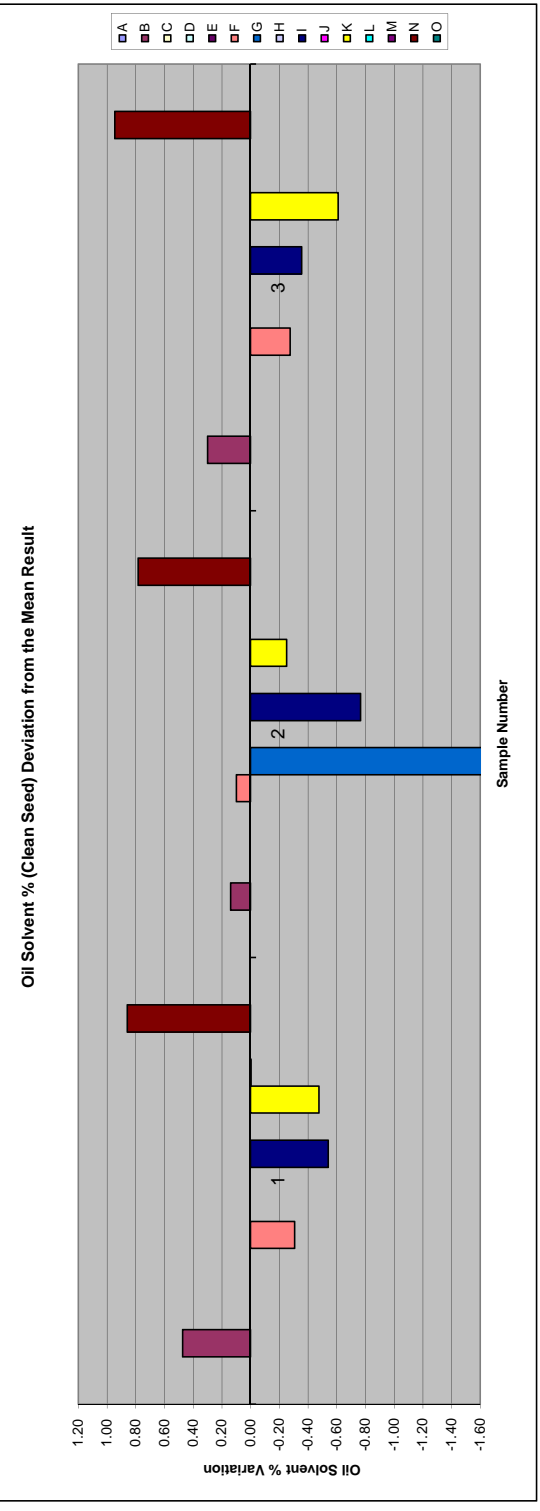
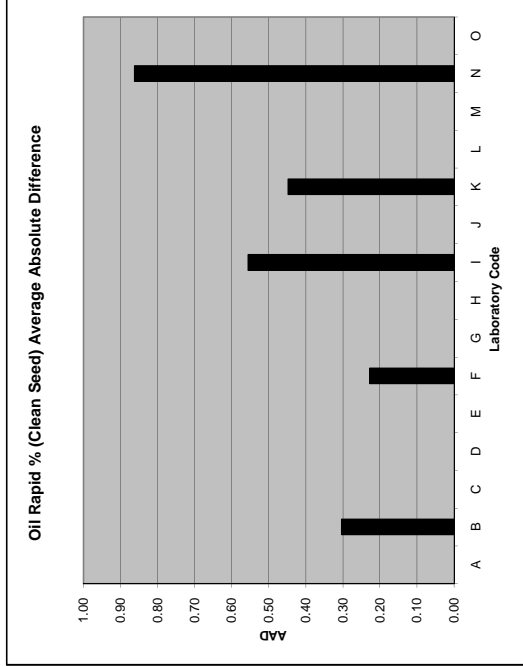


Oil Rapid % (Clean Seed) Deviation from the Mean Result



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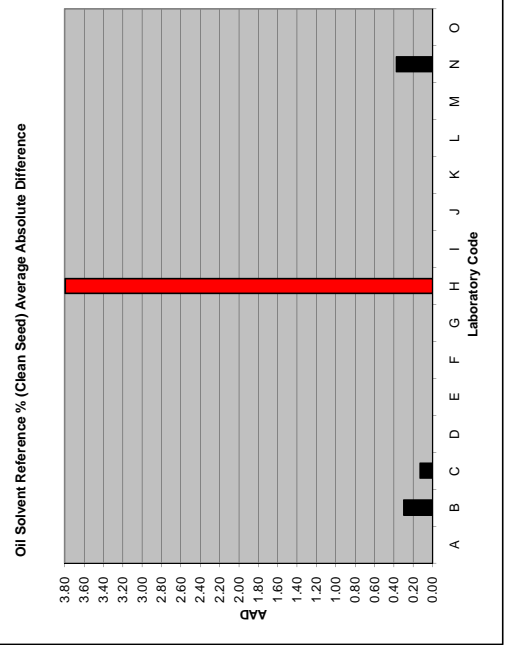
Lab	Oil Solvent % (Clean Seed) Deviation from the Mean										Average Absolute Difference
	Sample 1		Sample 2		Sample 3		Mean of Differences				
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean					
A	41.33	0.47	42.88	0.14	37.94	0.30	0.30			0.30	
B											
C											
D											
E											
F	40.55	-0.31	42.84	0.10	37.37	-0.28	-0.16			0.23	
G			40.91	-1.83							
H											
I	40.31	-0.54	41.97	-0.77	37.29	-0.36	-0.56			0.56	
J											
K	40.38	-0.48	42.49	-0.25	37.03	-0.61	-0.45			0.45	
L	40.85	0.00									
M											
N	41.71	0.86	43.52	0.78	38.59	0.94	0.86			0.86	
O											
MEAN	40.85		42.74		37.64					0.48	
STDEV	0.56		0.57		0.62						



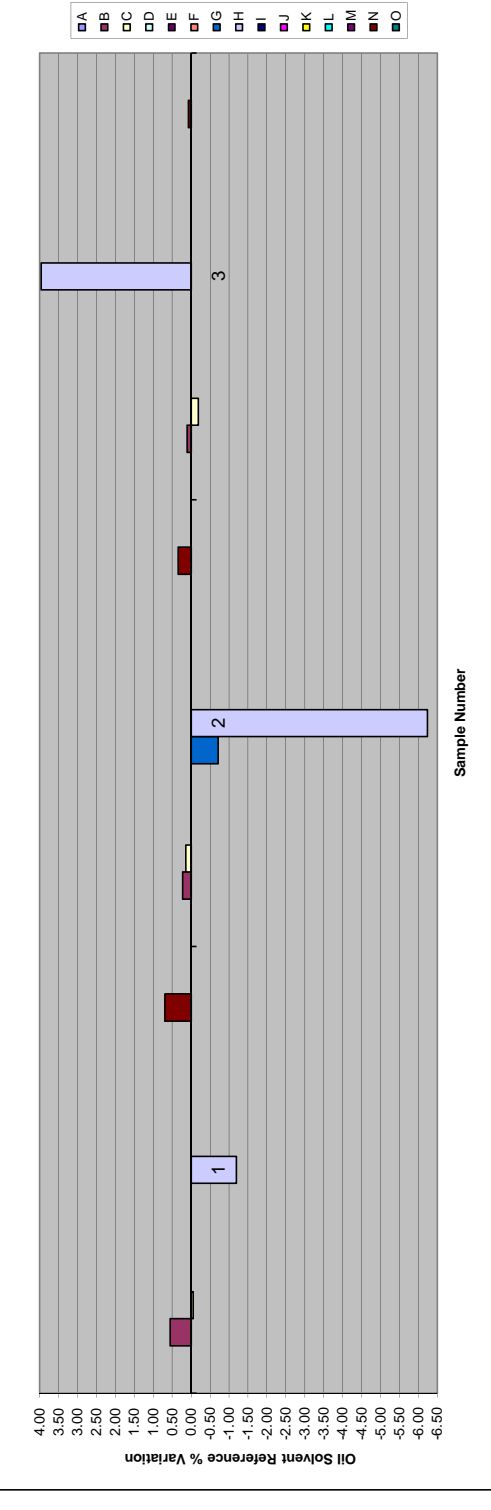
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Oil Solvent Reference % (Clean Seed) Deviation from the Mean

Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	41.50	0.55	43.22	0.23	38.25	0.11	0.30	0.30
C	40.89	-0.05	43.13	0.14	37.96	-0.19	-0.03	0.13
D								
E								
F								
G			42.28	-0.71				
H	39.75	-1.19	36.75	-6.24	42.10	3.96	-1.16	3.80
I								
J								
K								
L								
M								
N	41.63	0.69	43.34	0.35	38.22	0.08	0.37	0.37
O								
MEAN	40.94		42.99		38.14			1.15
STDEV	0.86		0.48		0.16			

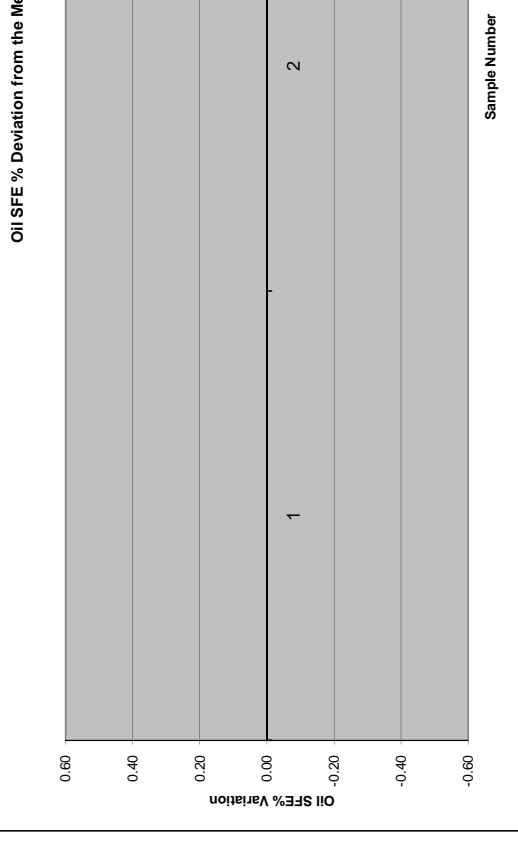
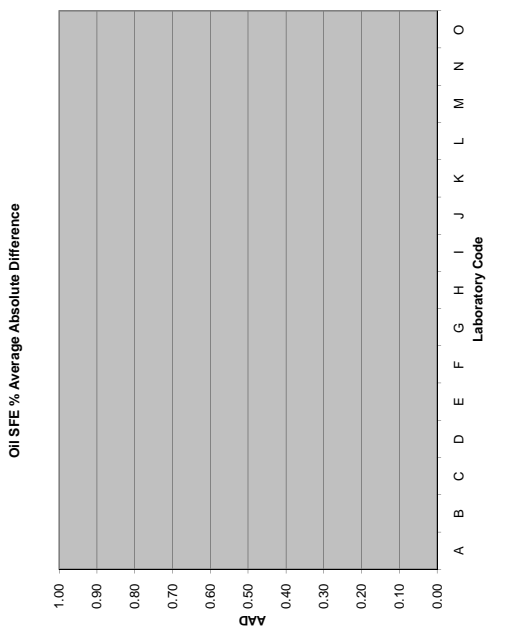


Oil Solvent Reference % (Clean Seed) Deviation from the Mean Result



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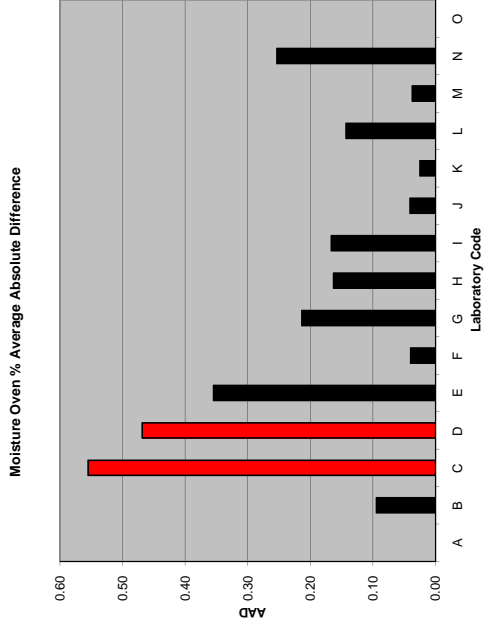
Oil SFE% Deviation from the Mean										
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference	#DIV/0!	#DIV/0!
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean				
A										
B										
C										
D										
E										
F										
G										
H										
I										
J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



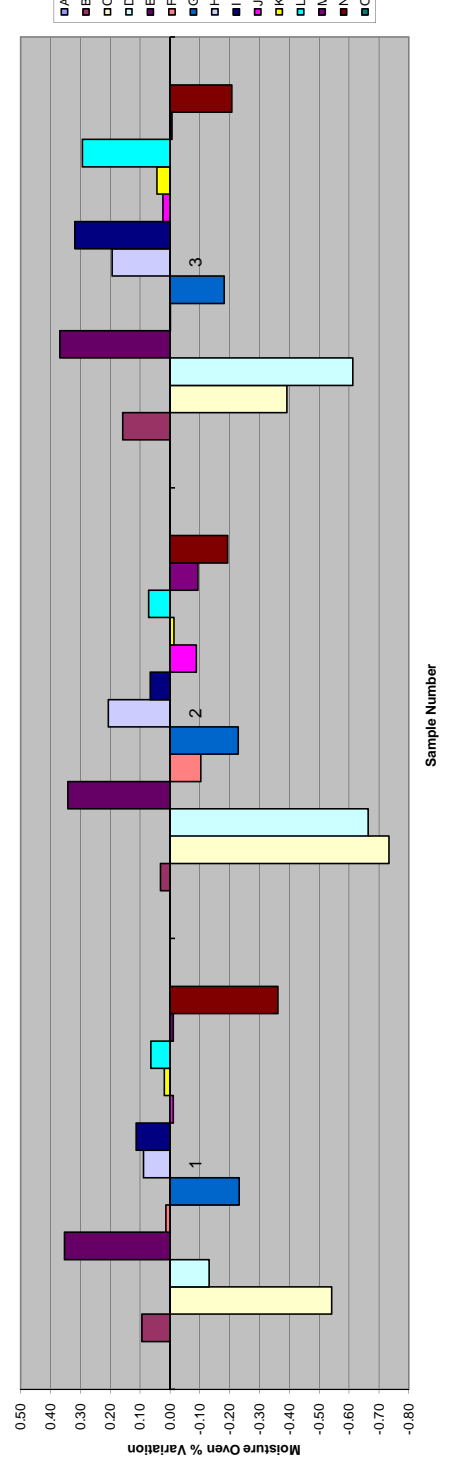
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Moisture Oven % Deviation from the Mean

Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	6.61	0.09	6.53	0.03	6.42	0.16	0.09	0.09
B	5.97	-0.54	5.76	-0.73	5.87	-0.39	-0.56	0.56
C	6.38	-0.13	5.83	-0.66	5.65	-0.61	-0.47	0.47
D	6.87	0.35	6.84	0.34	6.63	0.37	0.35	0.35
E	6.53	0.01	6.39	-0.10	6.26	0.00	-0.03	0.04
F	6.28	-0.23	6.27	-0.23	6.08	-0.18	-0.21	0.21
G	6.60	0.09	6.70	0.21	6.45	0.19	0.16	0.16
H	6.63	0.11	6.56	0.07	6.58	0.32	0.17	0.17
I	6.50	-0.01	6.41	-0.09	6.28	0.02	-0.03	0.04
J	6.53	0.02	6.48	-0.01	6.30	0.04	0.02	0.03
K	6.58	0.06	6.57	0.07	6.55	0.29	0.14	0.14
L	6.50	-0.01	6.40	-0.09	6.25	-0.01	-0.04	0.04
M	6.15	-0.36	6.30	-0.19	6.05	-0.21	-0.25	0.25
N								
O								
MEAN	6.51		6.49		6.26			0.20
STDEV	0.18		0.17		0.29			



Moisture Oven % Deviation from the Mean Result

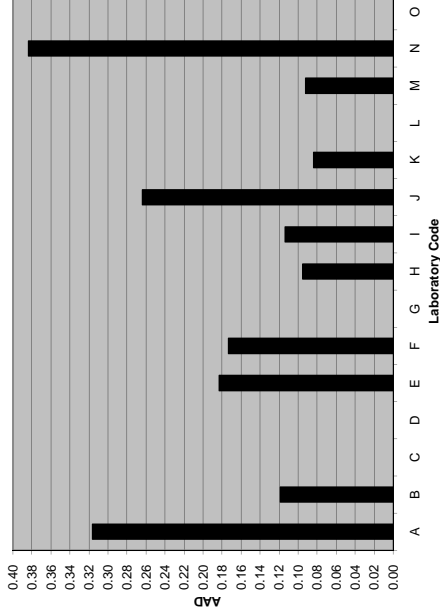


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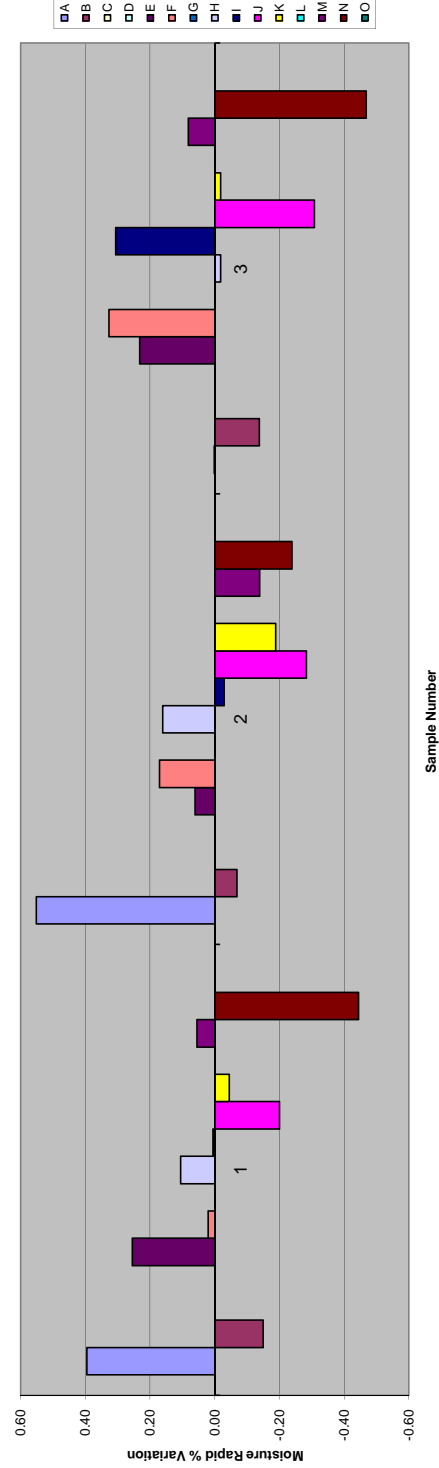
Moisture Rapid % Deviation from the Mean

Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	7.09	0.40	7.09	0.55	6.52	0.00	0.32	0.38
B	6.55	-0.15	6.47	-0.07	6.38	-0.14	-0.12	0.34
C								0.32
D								0.30
E	6.95	0.26	6.60	0.06	6.75	0.23	0.18	0.28
F	6.72	0.02	6.71	0.17	6.85	0.33	0.17	0.26
G								0.24
H	6.80	0.11	6.70	0.16	6.50	-0.02	0.08	0.22
I	6.70	0.01	6.51	-0.03	6.83	0.31	0.09	0.18
J	6.50	-0.20	6.26	-0.28	6.21	-0.31	-0.26	0.16
K	6.65	-0.04	6.35	-0.19	6.50	-0.02	-0.08	0.14
L								0.12
M	6.75	0.06	6.40	-0.14	6.60	0.08	0.00	0.10
N	6.25	-0.44	6.30	-0.24	6.05	-0.47	-0.38	0.08
O								0.06
MEAN	6.69		6.54		6.52			0.04
STDEV	0.20		0.17		0.27			0.02

Moisture Rapid % Average Absolute Difference



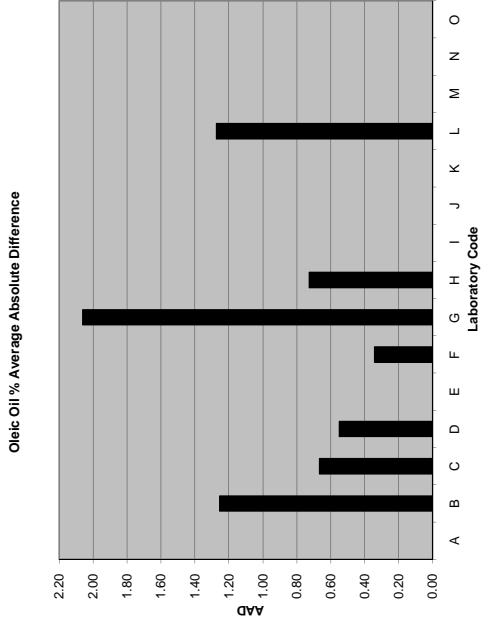
Moisture Rapid % Deviation from the Mean Result



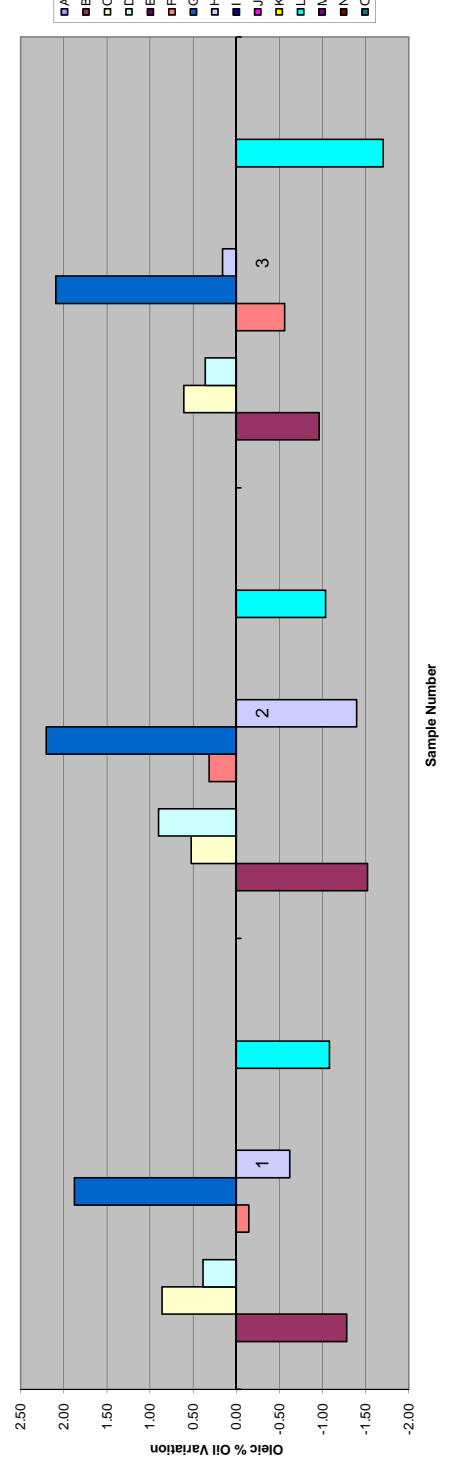
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Oleic % Oil Deviation from the Mean

Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	61.12	-1.28	59.92	-1.52	60.10	-0.96	-1.25	1.25
C	63.26	0.86	61.96	0.53	61.67	0.61	0.66	0.66
D	62.78	0.39	62.34	0.90	61.42	0.36	0.55	0.55
E								
F	62.25	-0.14	61.75	0.32	60.50	-0.56	-0.13	0.34
G	64.28	1.88	63.64	2.21	63.16	2.09	2.06	2.06
H	61.78	-0.62	60.04	-1.39	61.22	0.16	-0.62	0.72
I								
J								
K								
L	61.32	-1.08	60.40	-1.03	59.36	-1.70	-1.27	1.27
M								
N								
O								
MEAN	62.40		61.43		61.06			0.98
STDEV	1.13		1.38		1.23			



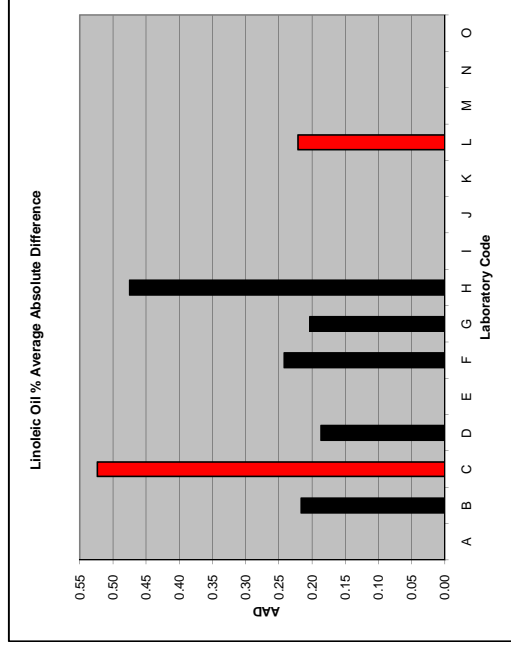
Oleic % Oil Deviation from the Mean Result



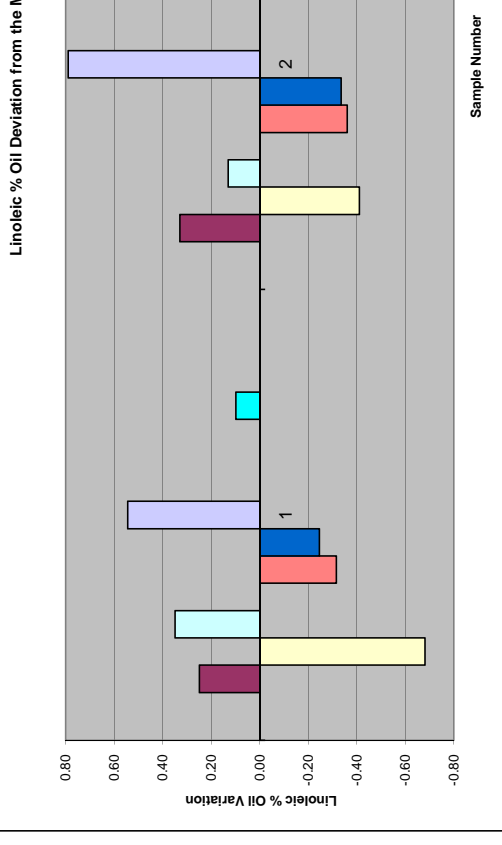
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Linoleic % Oil Deviation from the Mean

Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	19.72	0.25	20.14	0.33	20.07	0.07	0.22	0.22
C	18.79	-0.68	19.40	-0.41	19.52	-0.48	-0.52	0.52
D	19.82	0.35	19.94	0.13	19.92	-0.08	0.13	0.19
E								
F	19.15	-0.32	19.45	-0.36	19.95	-0.05	-0.24	0.24
G	19.22	-0.25	19.48	-0.33	19.97	-0.03	-0.20	0.20
H	20.01	0.54	20.60	0.79	20.09	0.09	0.47	0.47
I								
J								
K								
L	19.57	0.10	19.67	-0.15	20.42	0.42	0.12	0.22
M								
N								
O								
MEAN	19.47		19.81		20.00			0.30
STDEV	0.43		0.44		0.08			



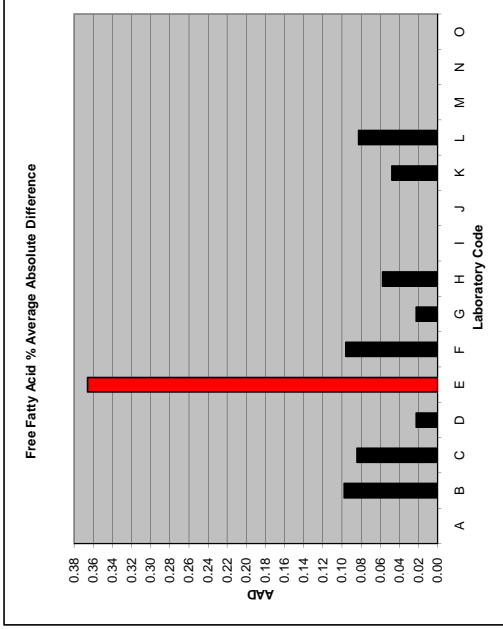
Linoleic % Oil Deviation from the Mean Result



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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	0.32	-0.11	0.34	-0.13	0.47	-0.06	-0.10	0.10
C	0.34	-0.08	0.42	-0.05	0.40	-0.12	-0.08	0.08
D	0.47	0.05	0.49	0.02	0.52	0.00	0.02	0.02
E	0.82	0.40	0.78	0.31	0.91	0.39	0.37	0.37
F	0.54	0.11	0.55	0.08	0.62	0.10	0.10	0.10
G	0.43	0.01	0.49	0.02	0.56	0.04	0.02	0.02
H	0.37	-0.06	0.47	0.00	0.41	-0.11	-0.06	0.06
I								
J								
K	0.44	0.01	0.42	-0.05	0.61	0.09	0.02	0.05
L	0.51	0.08	0.57	0.10	0.59	0.06	0.08	0.08
M								
N								
O								
MEAN	0.42		0.47		0.52			0.10
STDEV	0.08		0.07		0.09			



Free Fatty Acid % Oil Deviation from the Mean Result

