



08/09 AOF Test Check Program Monthly Report
Round 11
October 2009
01/09/2009 - 29/10/2009

Result Receiving Dates

Lab Code	Date
J	28-Sep-09
E	30-Sep-09
M	02-Oct-09
I	07-Oct-09
K	08-Oct-09
A	09-Oct-09
C	16-Oct-09
B	26-Oct-09
O	27-Oct-09
D	29-Oct-09
F	29-Oct-09
H	29-Oct-09
N	02-Nov-09
G	Not Submitted
L	Not submitted

Discussion of Results

Test Weight

The result produced by lab I for sample 1 was significantly lower than the mean recording a mean difference of – 7.41. However the lab submitted fairly accurate results for samples 2 and 3 suggesting the error causing the outlier seen for sample 1 was restricted to that particular sample.

Impurities

No outliers were submitted for Impurities this round. Lab C achieved the best results with a low average absolute difference of 0.07.

Oil Rapid

Lab B produced an outlier for sample 3 and generated the average absolute difference of 1.09.

Oil Solvent

No labs submitted outliers for Oil Solvent this round.



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Oil Solvent (AOCS Method Am 2-93)

Lab H generated outliers for sample 1 and 3, recording the highest average absolute difference of 1.49.

Oil SFE

No labs submitted results for Oil SFE this round.

Moisture Oven

Lab N generated an outlier for sample 1, recording the highest average absolute difference of 0.30. Lab M achieved the best results with a low average absolute difference of 0.03.

Moisture Rapid

Lab A generated outliers for sample 1 and 3, recording the highest average absolute difference of 1.07. Lab N generated an outlier for sample 3 with a mean difference of – 0.39.

Oleic Oil

Lab C generated an outlier for sample 3, recording the highest average absolute difference of 1.78.

Linoleic Oil

No outliers were submitted for Linoleic Oil this round. Lab H achieved the best results with an average absolute difference of 0.09.

Free Fatty Acid

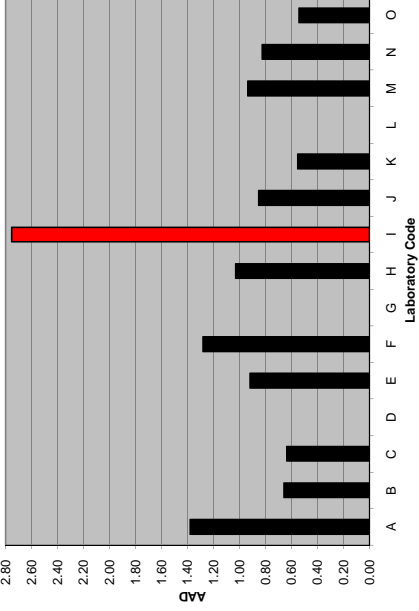
Lab E submitted results higher than the mean and produced outliers for all three samples. Lab E also generated the highest average absolute difference of 1.46. Good results were achieved by the remaining participants.

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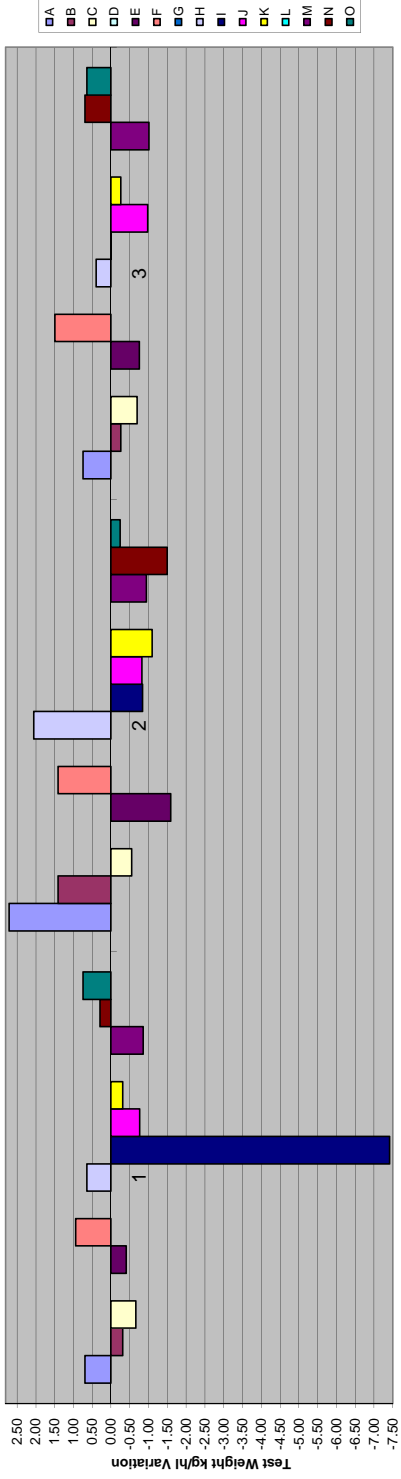
Test Weight kg/hi

Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	68.50	0.69	63.80	2.71	69.00	0.74	1.38	1.38
B	67.50	-0.31	62.50	1.41	68.00	-0.26	0.28	0.66
C	67.15	-0.66	60.54	-0.55	67.56	-0.70	-0.64	0.64
D								
E	67.40	-0.41	59.50	-1.59	67.50	-0.76	-0.92	0.92
F	68.75	0.94	62.50	1.41	69.75	1.49	1.28	1.28
G								
H	68.45	0.64	63.15	2.06	68.65	0.39	1.03	1.03
I	60.40	-7.41	60.25	-0.84	68.25	-0.01	-2.75	2.75
J	67.05	-0.76	60.27	-0.82	67.28	-0.98	-0.85	0.85
K	67.50	-0.31	60.00	-1.09	68.00	-0.26	-0.55	0.55
L								
M	66.95	-0.86	60.15	-0.94	67.25	-1.01	-0.94	0.94
N	68.10	0.29	59.60	-1.49	68.95	0.69	-0.17	0.83
O	68.55	0.74	60.85	-0.24	68.90	0.64	0.38	0.54
MEAN	67.81		61.09		68.26			1.03
STDEV	0.67		1.48		0.80			

Test Weight Average Absolute Difference

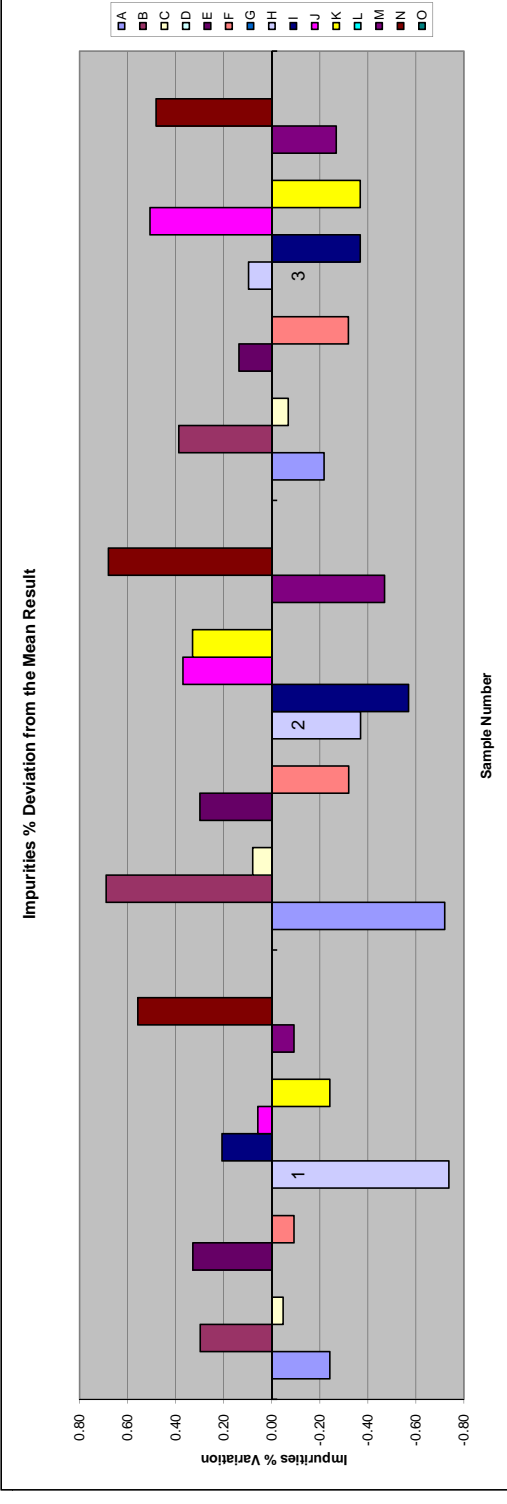
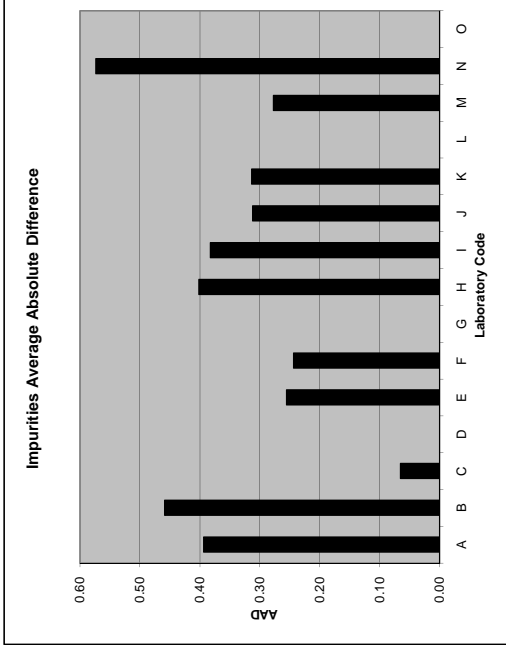


Test Weight kg/hi Deviation from the Mean



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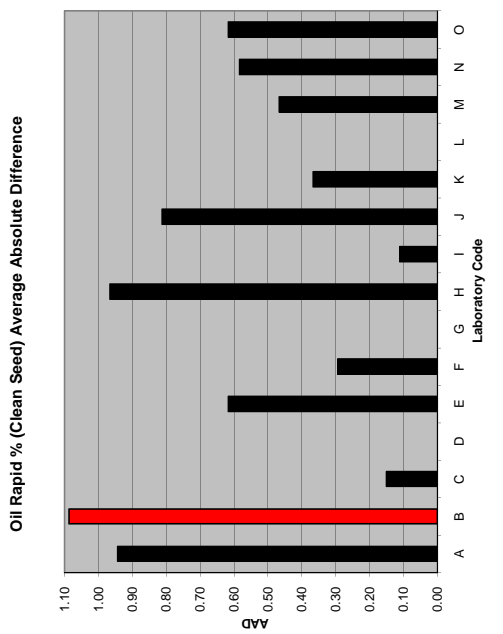
Lab	Impurities %									
	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference		
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean				
A	0.80	-0.24	0.90	-0.72	0.95	-0.22	-0.39	0.39		
B	1.34	0.30	2.31	0.69	1.56	0.39	0.46	0.46		
C	1.00	-0.05	1.70	0.08	1.10	-0.07	-0.01	0.07		
D										
E	1.37	0.33	1.92	0.30	1.31	0.14	0.26	0.26		
F	0.95	-0.09	1.30	-0.32	0.85	-0.32	-0.24	0.24		
G										
H	0.31	-0.74	1.25	-0.37	1.27	0.10	-0.34	0.40		
I	1.25	0.21	1.05	-0.57	0.80	-0.37	-0.24	0.38		
J	1.10	0.06	1.99	0.37	1.68	0.51	0.31	0.31		
K	0.80	-0.24	1.95	0.33	0.80	-0.37	-0.09	0.31		
L										
M	0.95	-0.09	1.15	-0.47	0.90	-0.27	-0.28	0.28		
N	1.60	0.56	2.30	0.68	1.65	0.48	0.57	0.57		
O										
MEAN	1.04		1.62		1.17			0.33		
STDEV	0.35		0.51		0.34					



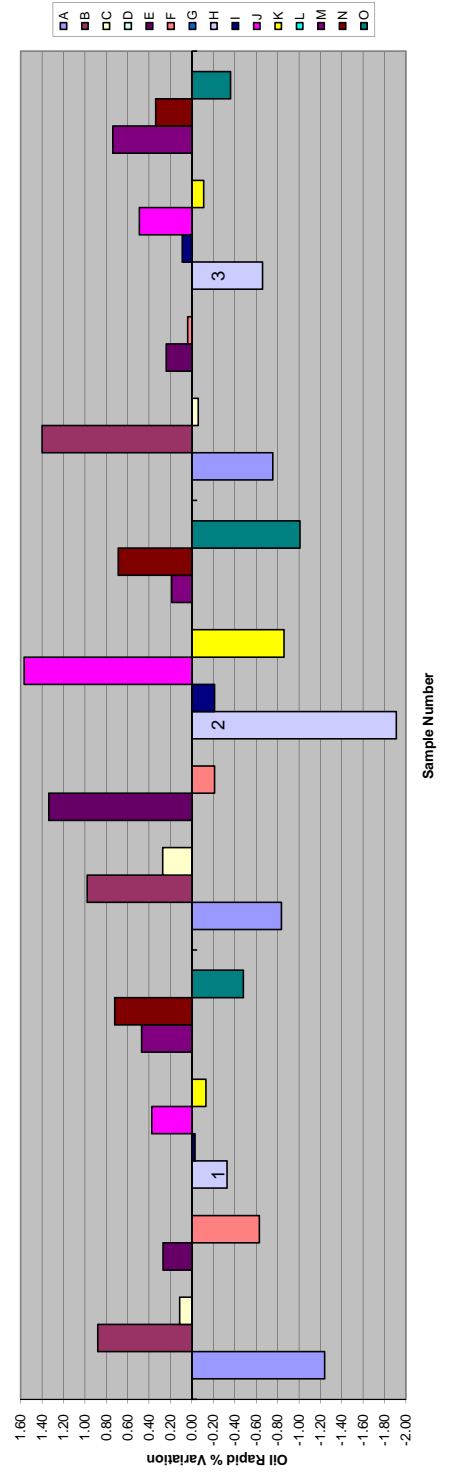
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Oil Rapid % (Clean Seed) Deviation from the Mean

Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	41.04	-1.24	35.38	-0.84	38.26	-0.75	-0.94	0.94
B	43.16	0.88	37.19	0.98	40.41	1.40	1.09	1.09
C	42.40	0.12	36.49	0.27	38.95	-0.06	0.11	0.15
D								
E	42.55	0.27	37.55	1.34	39.25	0.24	0.62	0.62
F	41.65	-0.63	36.00	-0.21	39.05	0.04	-0.27	0.29
G								
H	41.95	-0.33	34.30	-1.91	38.35	-0.66	-0.97	0.97
I	42.25	-0.03	36.00	-0.21	39.10	0.09	-0.05	0.11
J	42.66	0.38	37.78	1.57	39.50	0.49	0.81	0.81
K	42.15	-0.13	35.35	-0.86	38.90	-0.11	-0.37	0.37
L								
M	42.75	0.47	36.40	0.19	39.75	0.74	0.47	0.47
N	43.00	0.72	36.90	0.69	39.35	0.34	0.58	0.58
O	41.80	-0.48	35.20	-1.01	38.65	-0.36	-0.62	0.62
MEAN	42.28		36.21		39.01			0.58
STDEV	0.61		1.04		0.46			0.58

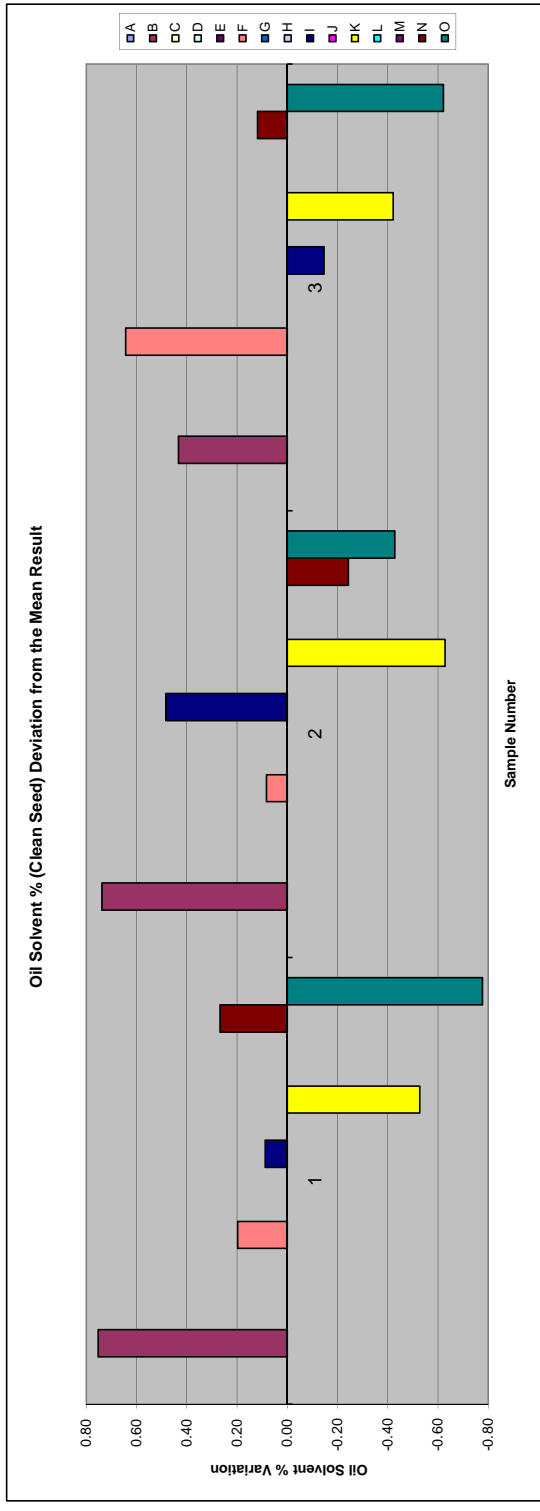
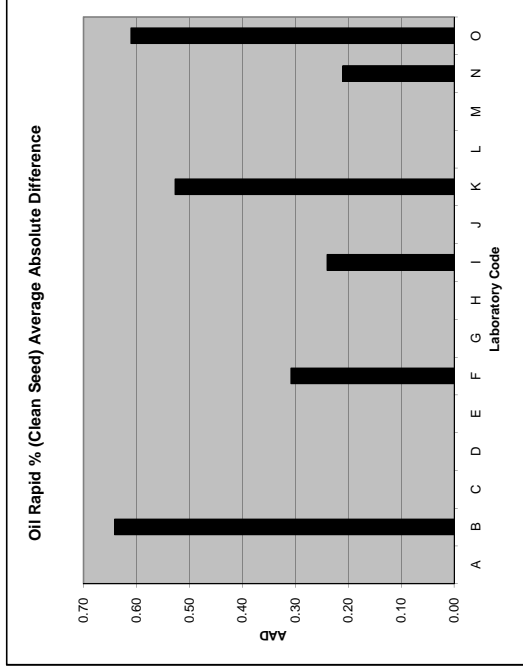


Oil Rapid % (Clean Seed) Deviation from the Mean Result



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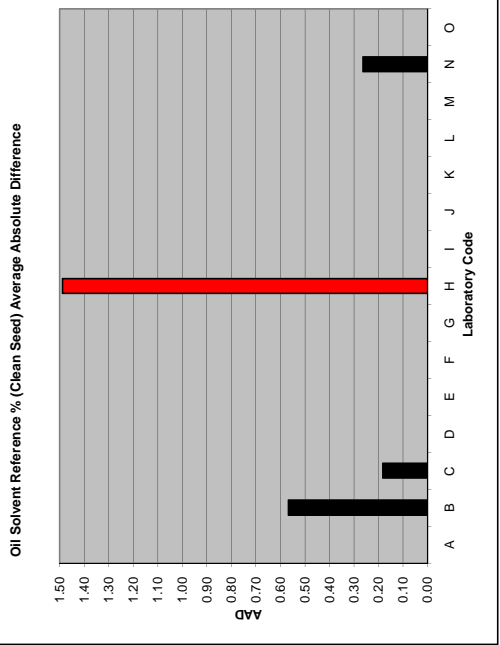
Lab	Oil Solvent % (Clean Seed) Deviation from the Mean																	
	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference										
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean			A	B	C	D	E					
A	43.33	0.75	37.12	0.74	40.41	0.43	0.64											
B																		
C																		
D																		
E																		
F	42.78	0.20	36.46	0.08	40.62	0.64	0.31											
G																		
H																		
I	42.67	0.09	36.86	0.48	39.83	-0.15	0.14											
J																		
K	42.05	-0.53	35.75	-0.63	39.55	-0.42	-0.53											
L																		
M																		
N	42.85	0.27	36.14	-0.24	40.09	0.12	0.05											
O	41.80	-0.78	35.95	-0.43	39.35	-0.62	-0.61											
MEAN	42.58		36.38		39.97													
STDEV	0.56		0.53		0.49		0.42											



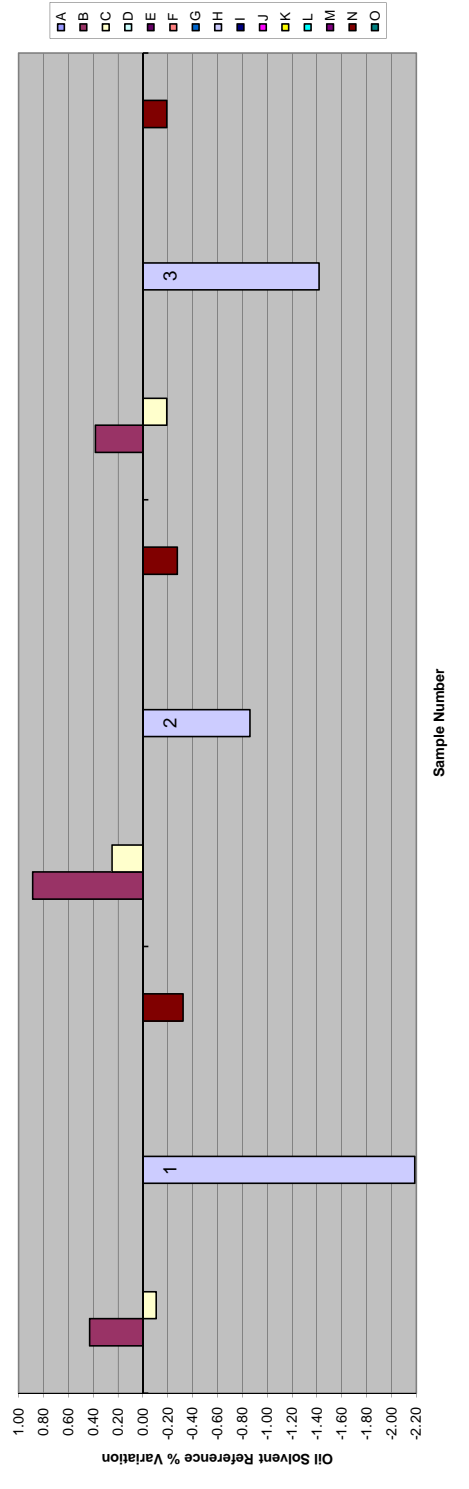
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Oil Solvent Reference % (Clean Seed) Deviation from the Mean

Lab	Sample 1		Sample 2		Sample 3		Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean	
A							
B	43.62	0.43	37.35	0.89	40.50	0.38	0.57
C	43.08	-0.11	36.71	0.25	39.93	-0.19	0.18
D							
E							
F							
G							
H	41.00	-2.19	35.60	-0.86	38.70	-1.42	1.49
I							
J							
K							
L							
M							
N	42.87	-0.32	36.19	-0.28	39.93	-0.19	0.26
O							
MEAN	43.19		36.46		40.12		0.63
STDEV	0.39		0.75		0.33		

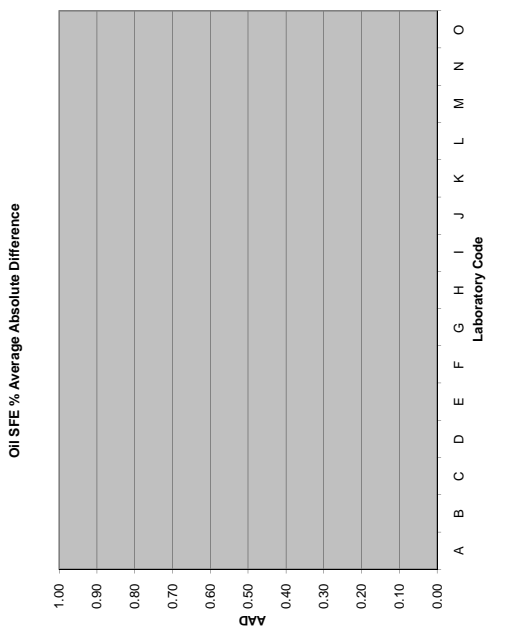


Oil Solvent Reference % (Clean Seed) Deviation from the Mean Result

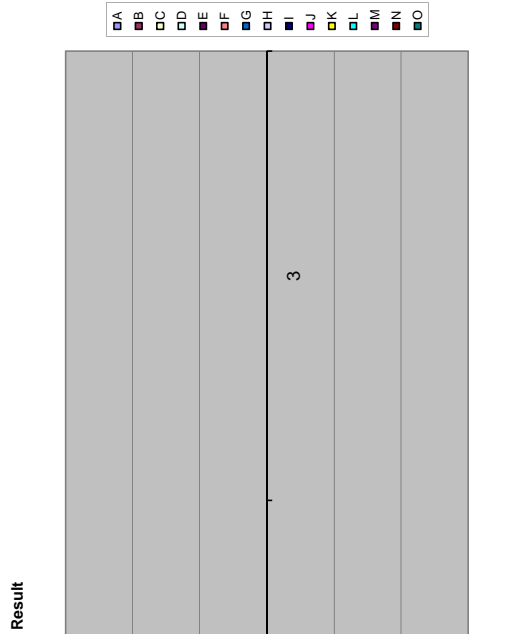


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Oil SFE% Deviation from the Mean										
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference	#DIV/0!	#DIV/0!
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean				
A										
B										
C										
D										
E							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

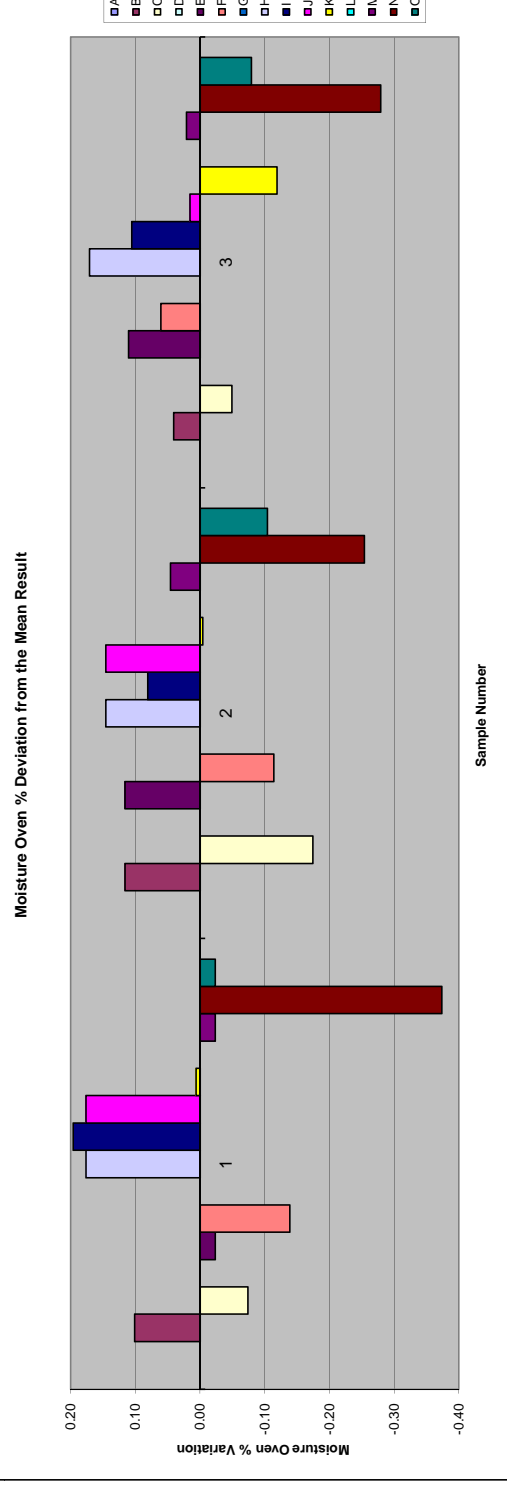
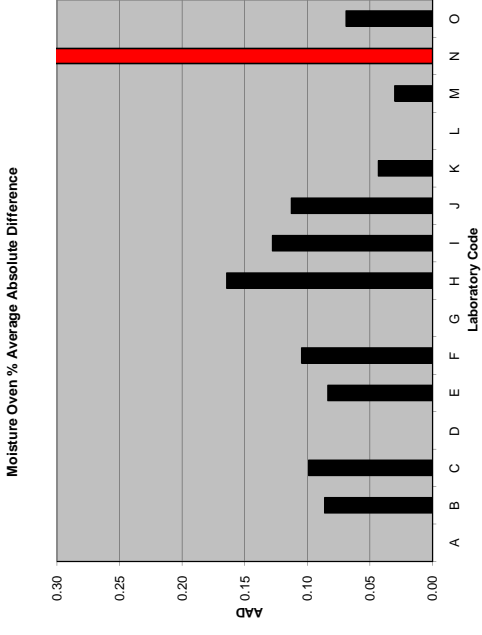


Oil SFE % Deviation from the Mean Result		Sample Number
0.60		
0.40		
0.20		
0.00		
-0.20		
-0.40		
-0.60		



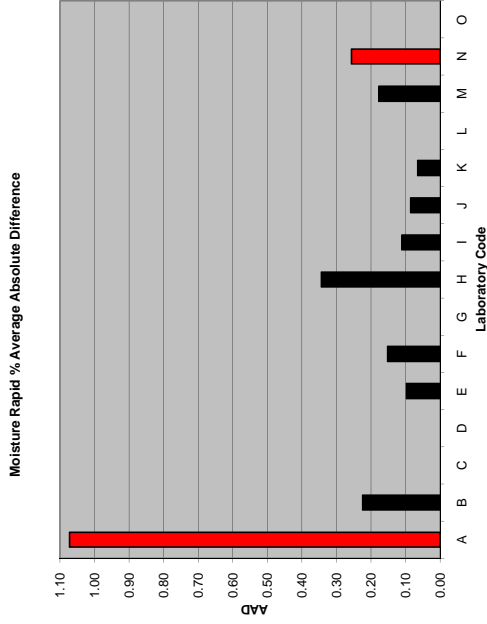
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Lab	Moisture Oven % Deviation from the Mean									
	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference		
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean				
A										
B	6.23	0.10	5.67	0.12	7.82	0.04	0.09	0.09		
C	6.05	-0.07	5.38	-0.17	7.73	-0.05	-0.10	0.10		
D										
E	6.10	-0.02	5.67	0.12	7.89	0.11	0.07	0.08		
F	5.99	-0.14	5.44	-0.11	7.84	0.06	-0.06	0.10		
G										
H	6.30	0.18	5.70	0.15	7.95	0.17	0.16	0.16		
I	6.32	0.20	5.64	0.08	7.89	0.11	0.13	0.13		
J	6.30	0.18	5.70	0.15	7.80	0.02	0.11	0.11		
K	6.13	0.01	5.55	0.00	7.66	-0.12	-0.04	0.04		
L										
M	6.10	-0.02	5.60	0.05	7.80	0.02	0.01	0.03		
N	5.75	-0.37	5.30	-0.25	7.50	-0.28	-0.30	0.30		
O	6.10	-0.02	5.45	-0.10	7.70	-0.08	-0.07	0.07		
MEAN	6.12		5.55		7.78					
STDEV	0.17		0.14		0.13			0.11		

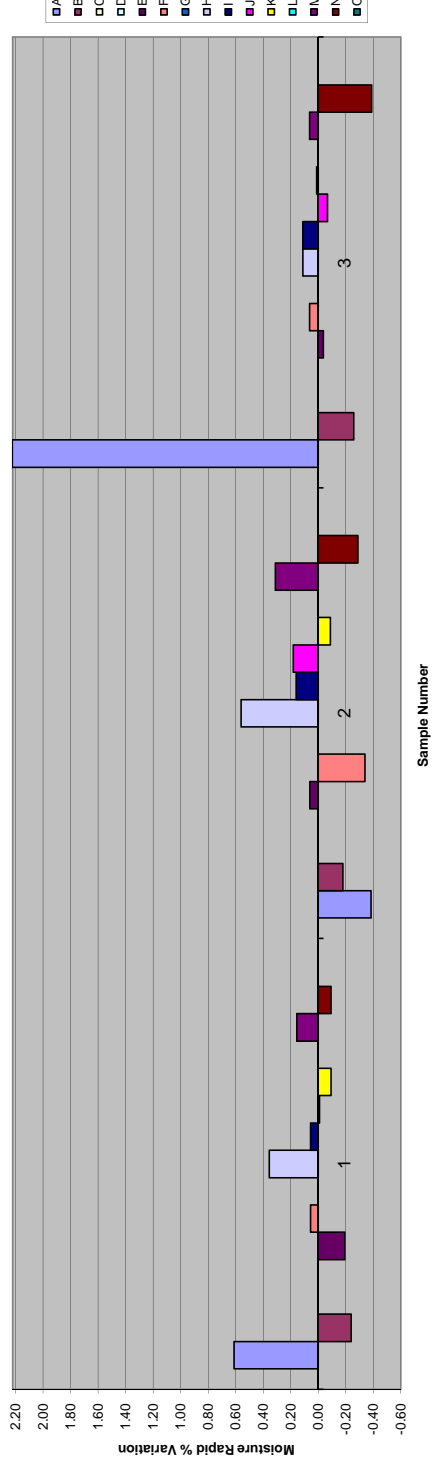


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Lab	Moisture Rapid % Deviation from the Mean										
	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference			
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean					
A	6.71	0.61	5.21	-0.38	10.06	2.22	0.82	1.07			
B	5.86	-0.24	5.41	-0.18	7.58	-0.26	-0.22	0.22			
C											
D											
E	5.90	-0.19	5.65	0.06	7.80	-0.04	-0.06	0.10			
F	6.15	0.06	5.25	-0.34	7.90	0.06	-0.07	0.15			
G											
H	6.45	0.36	6.15	0.56	7.95	0.11	0.34	0.34			
I	6.15	0.06	5.75	0.16	7.95	0.11	0.11	0.11			
J	6.09	-0.01	5.77	0.18	7.77	-0.07	0.04	0.09			
K	6.00	-0.09	5.50	-0.09	7.85	0.01	-0.06	0.06			
L											
M	6.25	0.16	5.90	0.31	7.90	0.06	0.18	0.18			
N	6.00	-0.09	5.30	-0.29	7.45	-0.39	-0.26	0.26			
O											
MEAN	6.09		5.59		7.84			0.26			
STDEV	0.18		0.31		0.12						

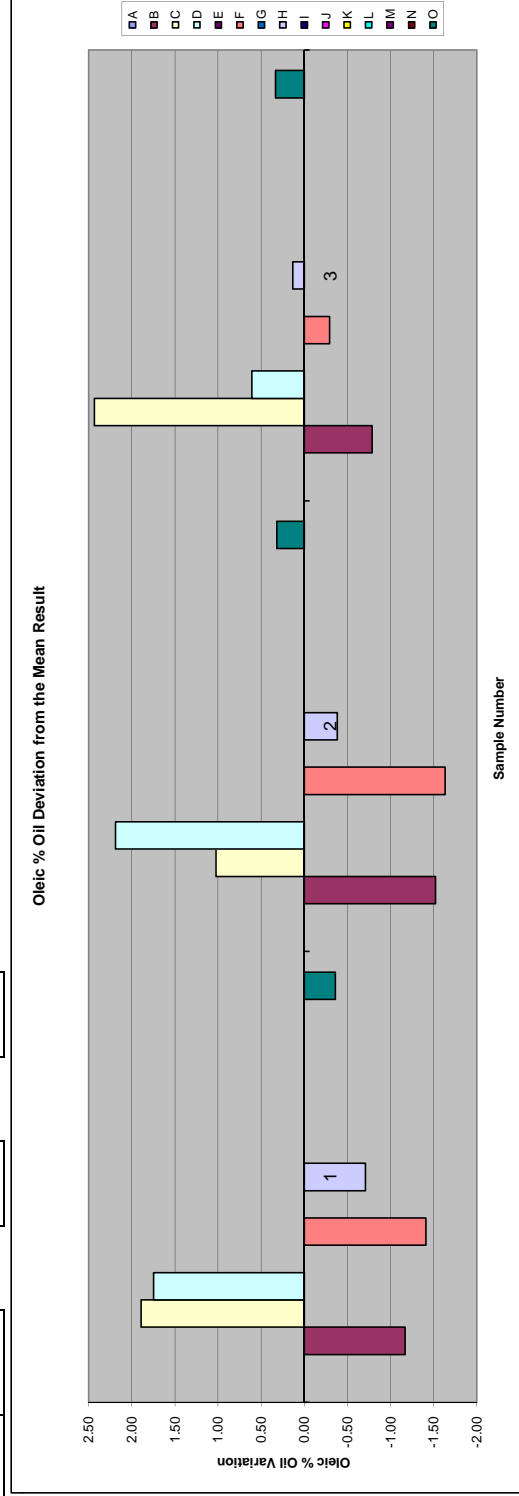
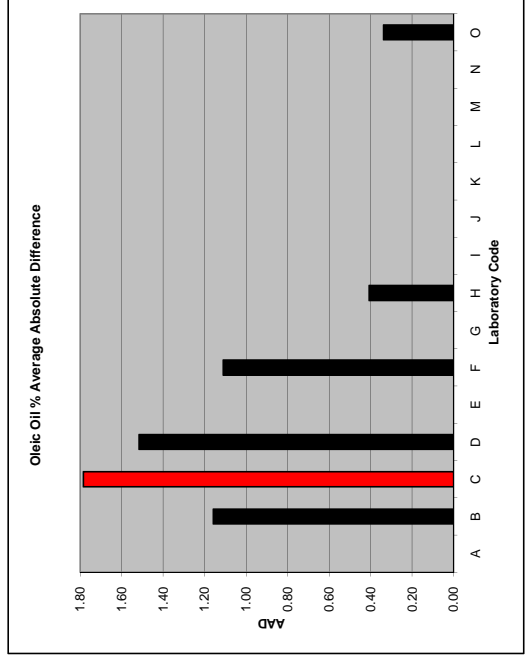


Moisture Rapid % Deviation from the Mean Result



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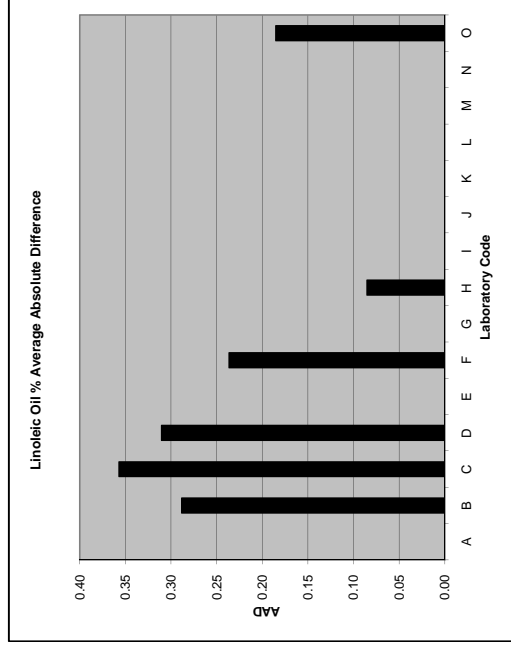
Lab	Oleic % Oil Deviation from the Mean											
	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference	Sample 3			
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean			Result	S3-Mean		
A												
B	60.59	-1.17	58.81	-1.52	58.38	-0.79	-1.16	1.16				
C	63.65	1.89	61.36	1.02	61.60	2.43	1.78	1.78				
D	63.51	1.75	62.52	2.19	59.78	0.61	1.52	1.52				
E												
F	60.35	-1.41	58.70	-1.63	58.88	-0.29	-1.11	1.11				
G												
H	61.05	-0.71	59.95	-0.38	59.30	0.13	-0.32	0.41				
I												
J												
K												
L												
M												
N												
O	61.40	-0.36	60.65	0.32	59.50	0.33	0.10	0.34				
MEAN	61.76		60.33		59.17							
STDEV	1.46		1.49		0.55			1.05				



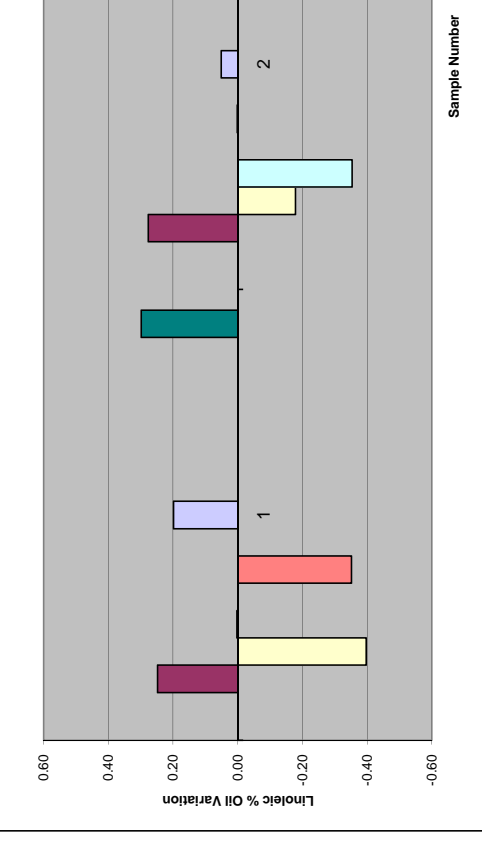
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Linoleic % Oil Deviation from the Mean

Lab	Sample 1		Sample 2		Sample 3		Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean	
A							
B	19.65	0.25	20.53	0.28	21.00	0.34	0.29
C	19.01	-0.40	20.07	-0.18	20.16	-0.50	0.36
D	19.41	0.00	19.90	-0.35	21.23	0.57	0.31
E							
F	19.05	-0.35	20.25	0.00	20.30	-0.36	0.24
G							
H	19.60	0.20	20.30	0.05	20.65	-0.01	0.09
I							
J							
K							
L							
M							
N							
O	19.70	0.30	20.45	0.20	20.60	-0.06	0.19
MEAN	19.40		20.25		20.66		0.24
STDEV	0.31		0.24		0.41		



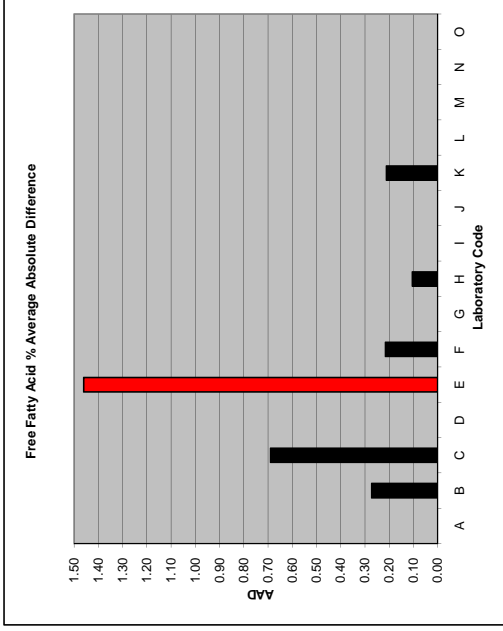
Linoleic % Oil Deviation from the Mean Result



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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	0.23	-0.07	2.63	0.65	0.39	-0.10	0.16	0.27
C	0.23	-0.06	0.26	-1.72	0.21	-0.29	-0.69	0.69
D								
E	0.62	0.32	5.26	3.28	1.27	0.77	1.46	1.46
F	0.37	0.07	2.28	0.30	0.76	0.27	0.21	0.21
G								
H	0.31	0.02	2.20	0.22	0.57	0.08	0.10	0.10
I								
J								
K	0.34	0.04	2.53	0.55	0.53	0.04	0.21	0.21
L								
M								
N								
O								
MEAN	0.29		1.98		0.49			0.49
STDEV	0.06		0.98		0.21			



Free Fatty Acid % Oil Deviation from the Mean Result

