



08/09 AOF Test Check Program Monthly Report
Round 9
August 2009
03/08/2009 - 31/08/2009

Result Reveal Dates

Lab Code	Date
A	30-Jul-09
I	31-Jul-09
J	11-Aug-09
K	17-Aug-09
C	20-Aug-09
M	24-Aug-09
F	25-Aug-09
O	25-Aug-09
D	28-Aug-09
E	28-Aug-09
H	28-Aug-09
B	31-Aug-09
G	31-Aug-09
N	01-Sep-09
L	Not received

Discussion of Results

Test Weight

No labs submitted outliers for Test Weight this round. Labs A, F and O produced the highest average absolute differences of 1.17, 1.30 and 1.24.

Impurities

Lab B produced the highest average absolute difference of 1.43. This was due the lab producing an outlier for sample 3 recording a mean difference of 3.55. Lab D generated an outlier for sample 2 and the second highest average absolute difference of 0.56. Lab I achieved the best results with a low average absolute difference of 0.07.

Oil Rapid

Lab G submitted results lower than the mean and generated an outlier for sample 1 with an average absolute difference of 1.45. Labs B and N also submitted outliers for sample 1 and generated the average absolute differences of 1.19 and 1.04.

Oil Solvent

No labs submitted outliers for Oil Solvent this round. Lab B generated the highest average absolute difference of 0.84.



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Oil Solvent (AOCS Method Am 2-93)

Lab B submitted significantly higher results for all three samples this round with outliers produced for samples 1 and 2. Good results were achieved by the remaining participants.

Oil SFE

No labs submitted results for Oil SFE this round.

Moisture Oven

Lab D continues to produce outliers for Moisture Oven with outliers recording -0.42 and -0.47 produced for samples 1 and 2. Lab N generated the second highest average absolute difference of 0.33. Lab I achieved the best results with a low average absolute difference of 0.03.

Moisture Rapid

Lab A generated an outlier for sample 1, recording the highest average absolute difference of 0.68. Good results were achieved by the remaining participants.

Oleic Oil

No labs submitted outliers for Oleic Oil this round. Labs D, F and G produced the highest average absolute differences of 1.62, 1.58 and 1.51.

Linoleic Oil

Lab D submitted an outlier for sample 2 recording an average absolute difference of 0.61.

Free Fatty Acid

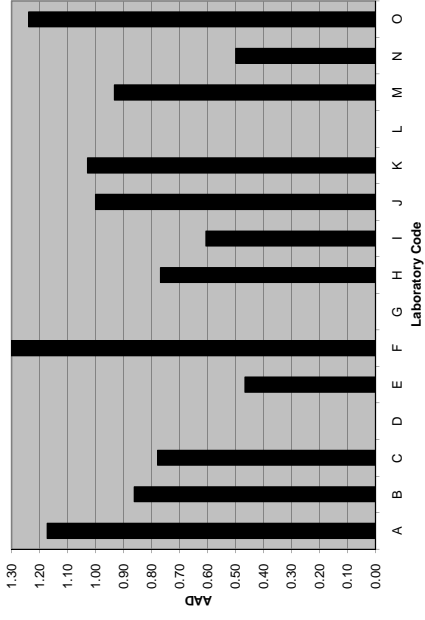
Lab C submitted results lower than the mean and generated an outlier for sample 3 with an average absolute difference of 0.84.

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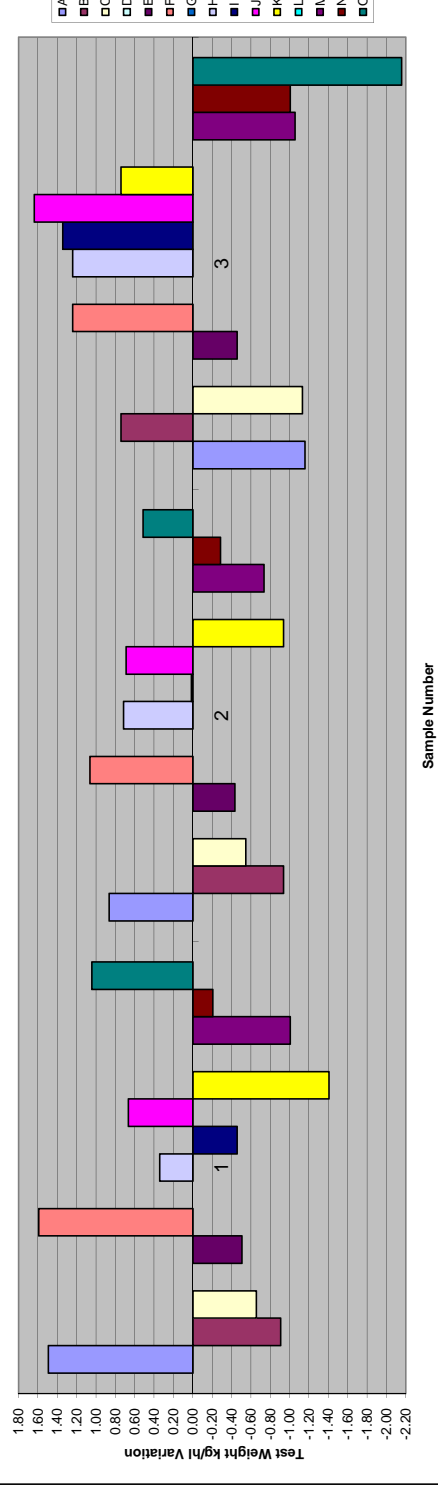
Test Weight kg/hi

Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	70.90	1.49	70.30	0.87	60.60	-1.16	0.40	1.17
B	68.50	-0.91	68.50	-0.93	62.50	0.74	-0.37	0.86
C	68.75	-0.66	68.89	-0.54	60.63	-1.13	-0.78	0.78
D								
E	68.90	-0.51	69.00	-0.43	61.30	-0.46	-0.47	0.47
F	71.00	1.59	70.50	1.07	63.00	1.24	1.30	1.30
G								
H	69.75	0.34	70.15	0.72	63.00	1.24	0.77	0.77
I	68.95	-0.46	69.45	0.02	63.10	1.34	0.30	0.61
J	70.08	0.67	70.13	0.69	63.40	1.64	1.00	1.00
K	68.00	-1.41	68.50	-0.93	62.50	0.74	-0.53	1.03
L								
M	68.40	-1.01	68.70	-0.73	60.70	-1.06	-0.93	0.93
N	69.20	-0.21	69.15	-0.28	60.75	-1.01	-0.50	0.50
O	70.45	1.04	69.95	0.52	59.60	-2.16	-0.20	1.24
MEAN	69.41		69.43		61.76			0.89
STDEV	1.01		0.74		1.29			

Test Weight Average Absolute Difference

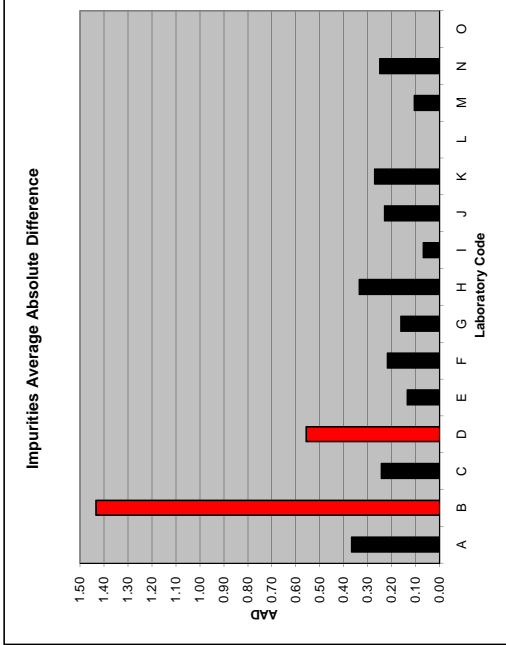


Test Weight kg/hi Deviation from the Mean

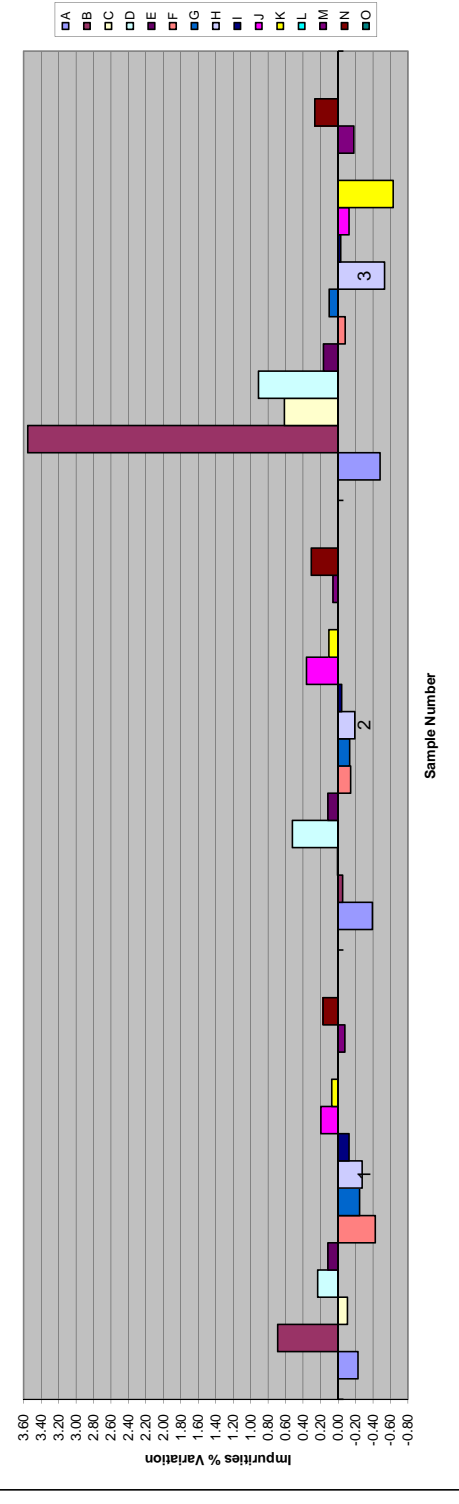


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Lab	Impurities %									
	Sample 1		Sample 2		Sample 3		Mean of Differences		Average Absolute Difference	
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean	Difference	Absolute Difference	Absolute Difference	
A	0.50	-0.23	0.65	-0.39	1.10	-0.48	-0.37	0.37	1.43	
B	1.42	0.69	0.99	-0.05	5.14	3.55	1.40	1.43	0.24	
C	0.62	-0.11	1.05	0.01	2.20	0.61	0.17	0.24	0.56	
D	0.96	0.23	1.57	0.52	2.50	0.91	0.56	0.56	0.13	
E	0.85	0.12	1.16	0.12	1.75	0.17	0.13	0.13	0.22	
F	0.30	-0.43	0.90	-0.14	1.50	-0.08	-0.22	0.22	0.16	
G	0.48	-0.25	0.91	-0.13	1.69	0.10	-0.09	0.16	0.33	
H	0.45	-0.28	0.85	-0.19	1.05	-0.53	-0.33	0.33	0.07	
I	0.60	-0.13	1.00	-0.04	1.55	-0.03	-0.07	0.07	0.23	
J	0.93	0.20	1.41	0.36	1.46	-0.13	0.14	0.23	0.27	
K	0.80	0.07	1.15	0.11	0.95	-0.63	-0.15	0.27		
L										
M	0.65	-0.08	1.10	0.06	1.40	-0.18	-0.07	0.11		
N	0.90	0.17	1.35	0.31	1.85	0.27	0.25	0.25		
O										
MEAN	0.73		1.04		1.58			0.34		
STDEV	0.29		0.21		0.46					



Impurities % Deviation from the Mean Result

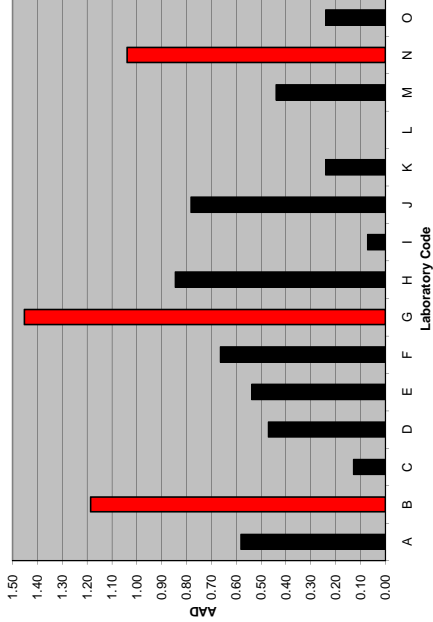


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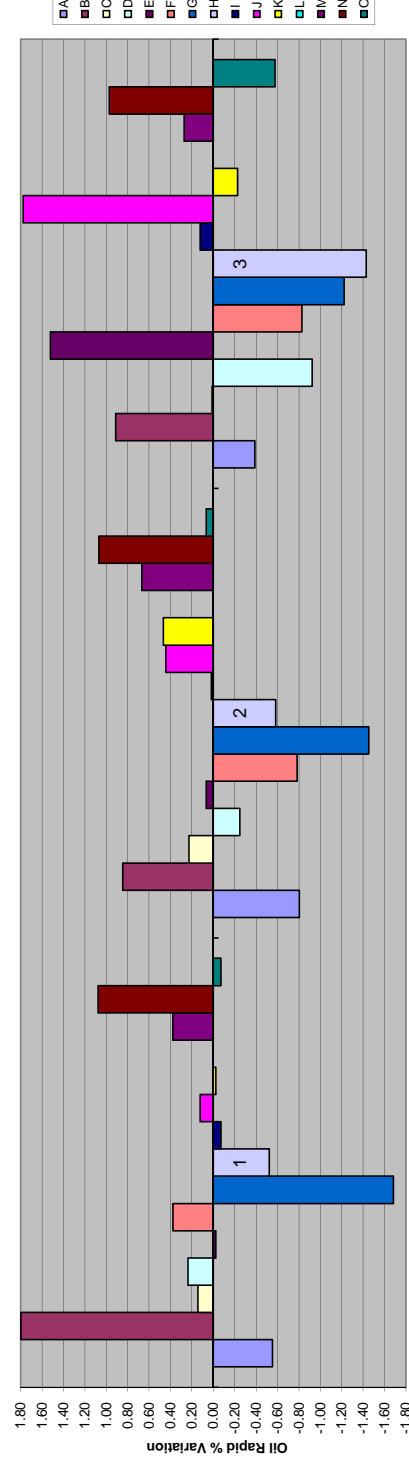
Oil Rapid % (Clean Seed) Deviation from the Mean

Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	41.72	-0.55	38.48	-0.80	35.74	-0.39	-0.58	0.58
B	44.07	1.80	40.13	0.85	37.04	0.91	1.19	1.19
C	42.42	0.14	39.51	0.23	36.14	0.01	0.13	0.13
D	42.51	0.24	39.04	-0.25	35.21	-0.92	-0.31	0.47
E	42.25	-0.02	39.35	0.07	37.65	1.52	0.52	0.54
F	42.85	0.38	38.50	-0.78	35.30	-0.83	-0.41	0.66
G	40.59	-1.68	37.83	-1.45	34.91	-1.22	-1.45	1.45
H	41.75	-0.52	38.70	-0.58	34.70	-1.43	-0.84	0.84
I	42.20	-0.07	39.30	0.02	36.25	0.12	0.02	0.07
J	42.40	0.12	39.73	0.44	37.91	1.78	0.78	0.78
K	42.25	-0.02	39.75	0.47	35.90	-0.23	0.07	0.24
L								
M	42.85	0.38	39.95	0.67	36.40	0.27	0.44	0.44
N	43.55	1.08	40.35	1.07	37.10	0.97	1.04	1.04
O	42.20	-0.07	39.35	0.07	35.55	-0.58	-0.19	0.24
MEAN	42.27		39.28		36.13			0.62
STDEV	0.31		0.71		1.00			

Oil Rapid % (Clean Seed) Average Absolute Difference

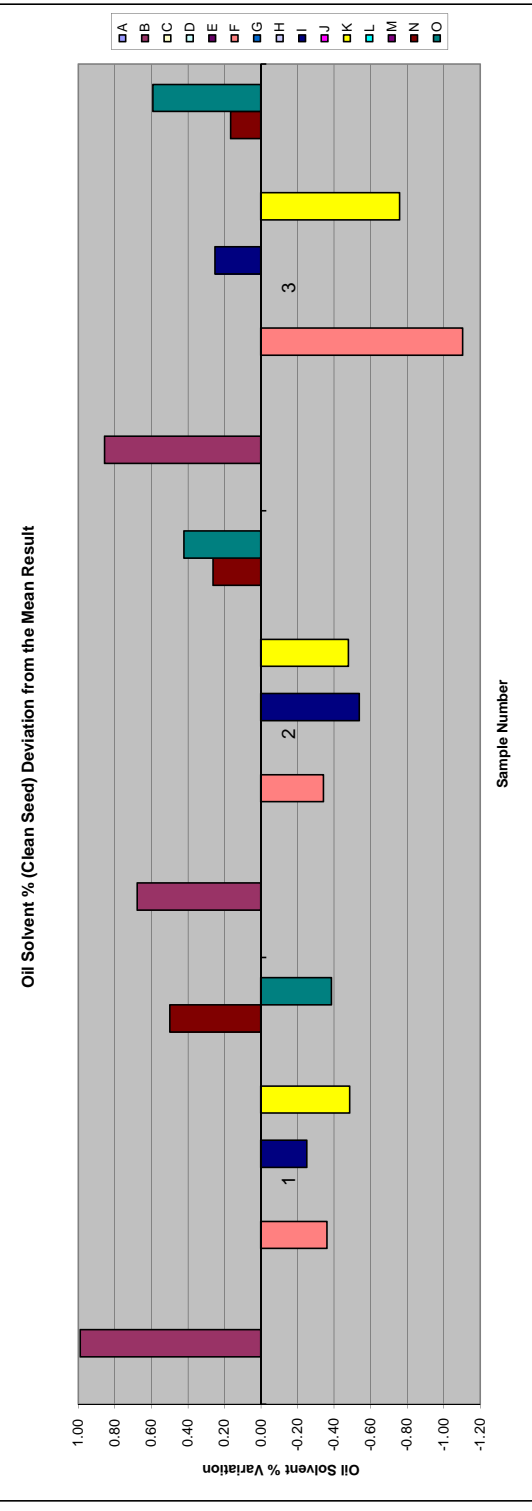
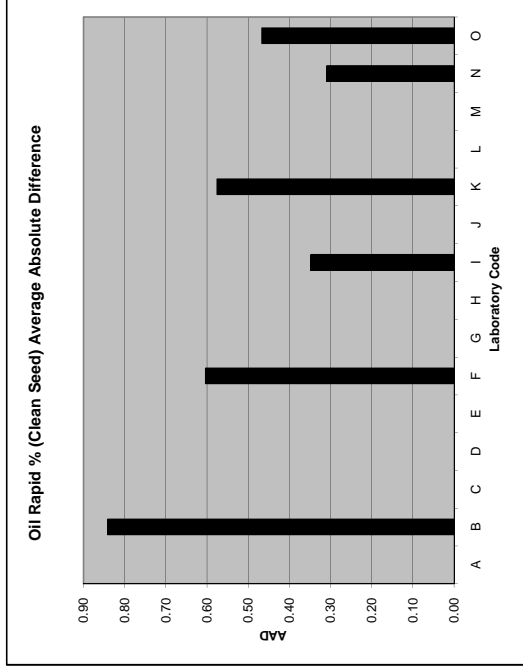


Oil Rapid % (Clean Seed) Deviation from the Mean Result



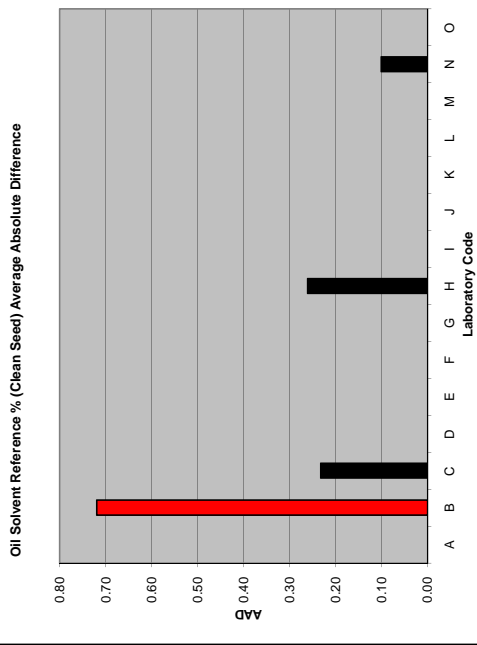
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Lab	Oil Solvent % (Clean Seed) Deviation from the Mean										Average Absolute Difference	
	Sample 1		Sample 2		Sample 3		Mean of Differences					
	S1-Mean	Result	S2-Mean	Result	S3-Mean	Result	S3-Mean	Result	S3-Mean			
A	43.28	0.99	40.26	0.68								
B	41.93	-0.36	39.24	-0.34	35.11	-1.10						
C												
D												
E												
F	42.04	-0.25	39.04	-0.54	36.46	0.25						
G												
H												
I	41.80	-0.49	39.10	-0.48	35.45	-0.76						
J												
K												
L												
M												
N	42.79	0.50	39.84	0.26	36.38	0.17						
O	41.90	-0.39	40.00	0.42	36.80	0.59						
MEAN	42.29		39.58		36.21							
STDEV	0.60		0.52		0.77							

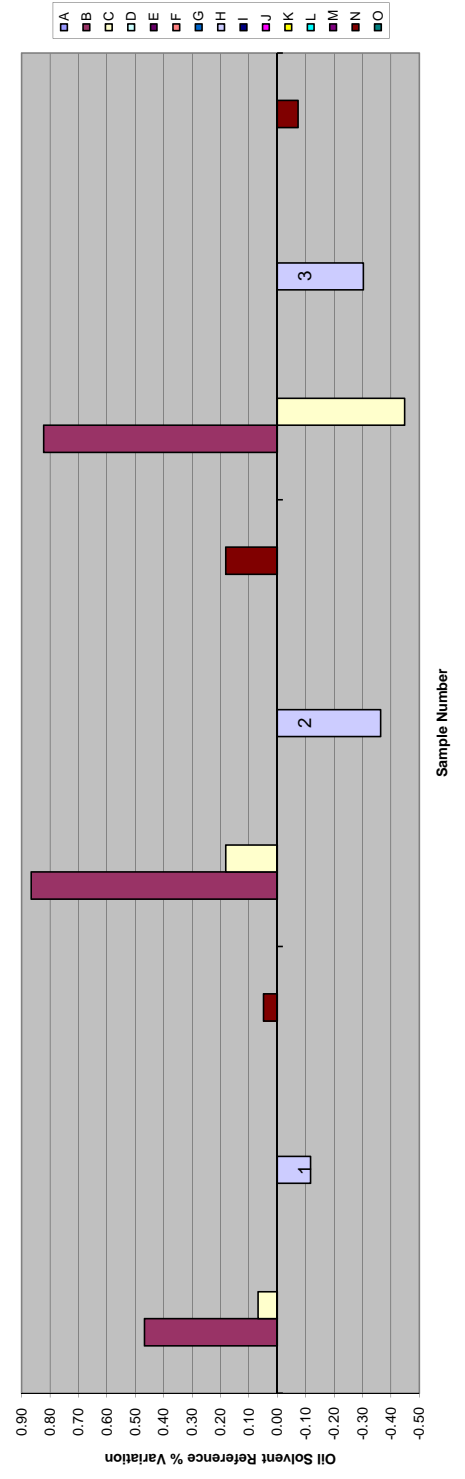


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Oil Solvent Reference % (Clean Seed) Deviation from the Mean										
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference		
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean				
A	43.44	0.47	40.23	0.87	37.38	0.82	0.72	0.72		
B	43.04	0.07	39.55	0.18	36.11	-0.45	-0.07	0.23		
C										
D										
E										
F										
G										
H	42.85	-0.12	39.00	-0.36	36.25	-0.30	-0.26	0.26		
I										
J										
K										
L										
M										
N	43.02	0.05	39.55	0.18	36.48	-0.07	0.05	0.10		
O										
MEAN	42.97		39.36		36.55		0.05			
STDEV	0.10		0.31		0.57			0.33		

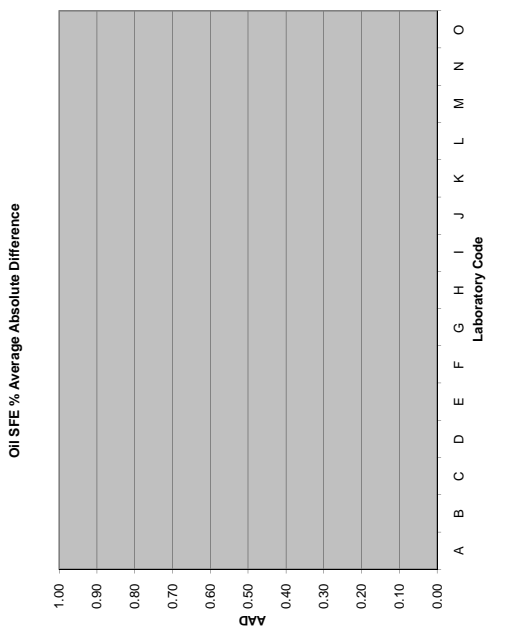


Oil Solvent Reference % (Clean Seed) Deviation from the Mean Result

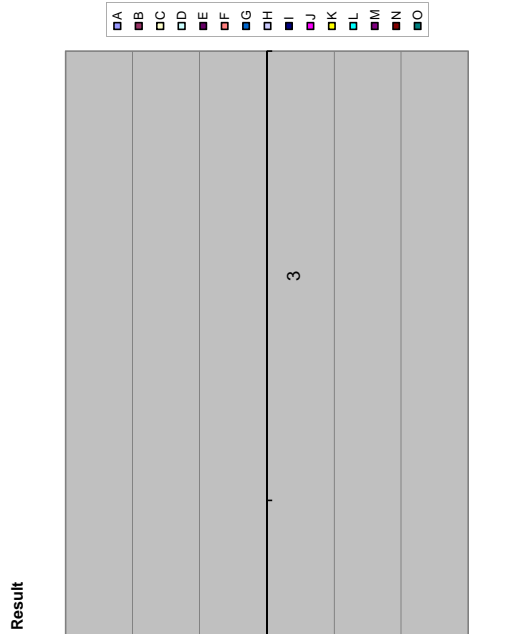


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Oil SFE % Deviation from the Mean										
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference	#DIV/0!	#DIV/0!
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean				
A										
B										
C										
D										
E						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

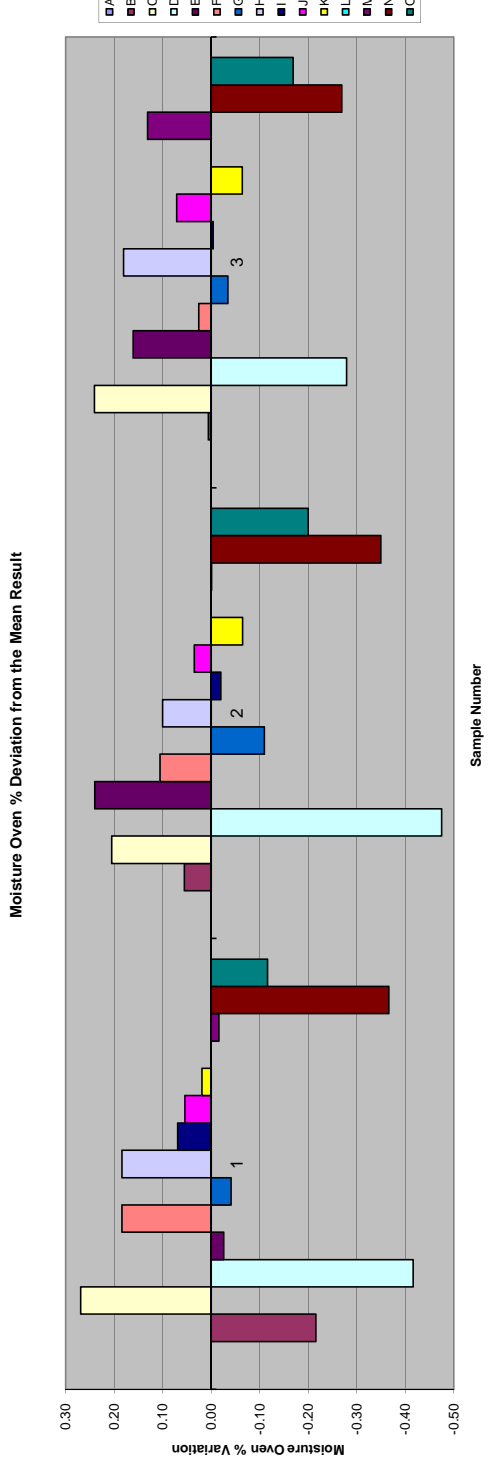
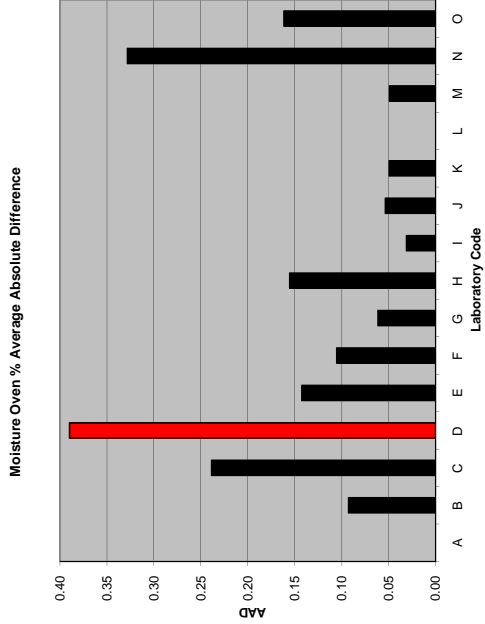


Oil SFE % Deviation from the Mean Result										
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference	#DIV/0!	#DIV/0!
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean				
A										
B										
C										
D										
E										
F										
G										
H										
I				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



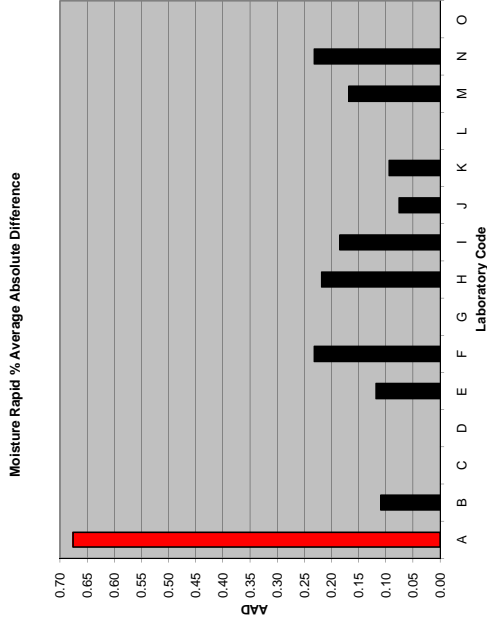
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Lab	Moisture Oven % Deviation from the Mean										Average Absolute Difference	
	Sample 1		Sample 2		Sample 3		Mean of Differences	S3-Mean	Result	S2-Mean		Result
	S1-Mean	Result	S2-Mean	Result	S3-Mean	Result						
A												
B	-0.22	6.46	0.06	5.78	0.01	-0.05	0.09					
C	0.27	6.61	0.21	6.01	0.24	0.24	0.24					
D	-0.42	5.93	-0.47	5.49	-0.28	-0.39	0.39					
E	-0.03	6.64	0.24	5.93	0.16	0.13	0.14					
F	0.18	6.51	0.11	5.80	0.03	0.11	0.11					
G	-0.04	6.29	-0.11	5.74	-0.03	-0.06	0.06					
H	0.18	6.50	0.10	5.95	0.18	0.16	0.16					
I	0.07	6.38	-0.02	5.77	0.00	0.02	0.03					
J	0.05	6.44	0.04	5.84	0.07	0.05	0.05					
K	0.02	6.34	-0.06	5.71	-0.06	-0.04	0.05					
L												
M	-0.02	6.40	0.00	5.90	0.13	0.04	0.05					
N	-0.37	6.05	-0.35	5.50	-0.27	-0.33	0.33					
O	-0.12	6.20	-0.20	5.60	-0.17	-0.16	0.16					
MEAN		6.40		5.77		-0.16						
STDEV		0.18		0.17		0.14						

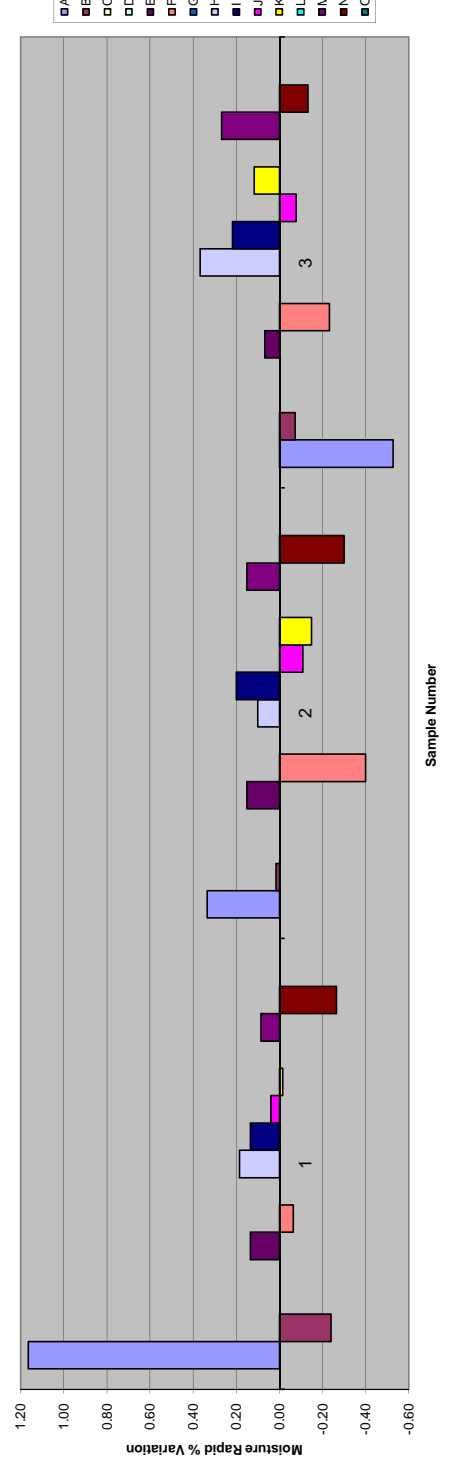


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Lab	Moisture Rapid % Deviation from the Mean										Average Absolute Difference
	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference			
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean					
A	8.08	1.17	6.84	0.34	5.21	-0.53	0.32	0.68			
B	6.68	-0.24	6.52	0.02	5.66	-0.07	-0.10	0.11			
C											
D											
E	7.05	0.14	6.65	0.15	5.80	0.07	0.12	0.12			
F	6.85	-0.06	6.10	-0.40	5.50	-0.23	-0.23	0.23			
G											
H	7.10	0.19	6.60	0.10	6.10	0.37	0.22	0.22			
I	7.05	0.14	6.70	0.20	5.95	0.22	0.18	0.18			
J	6.96	0.04	6.39	-0.11	5.66	-0.08	-0.05	0.08			
K	6.90	-0.01	6.35	-0.15	5.85	0.12	-0.02	0.09			
L											
M	7.00	0.09	6.65	0.15	6.00	0.27	0.17	0.17			
N	6.65	-0.26	6.20	-0.30	5.60	-0.13	-0.23	0.23			
O											
MEAN	6.91		6.50		5.73			0.21			
STDEV	0.16		0.23		0.27						

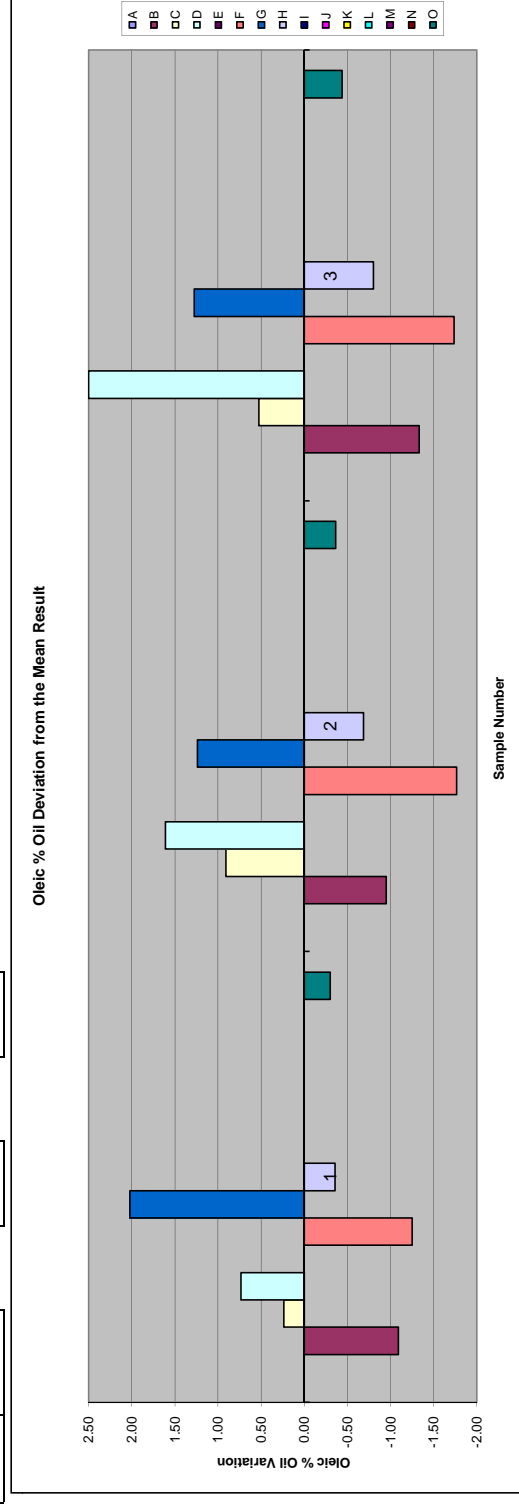
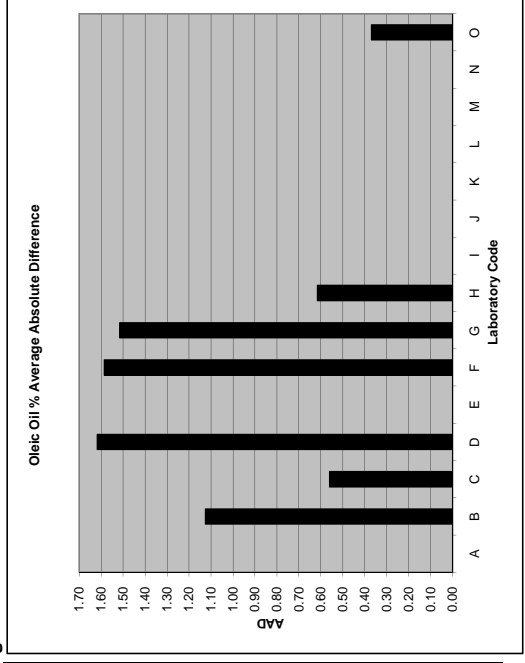


Moisture Rapid % Deviation from the Mean Result



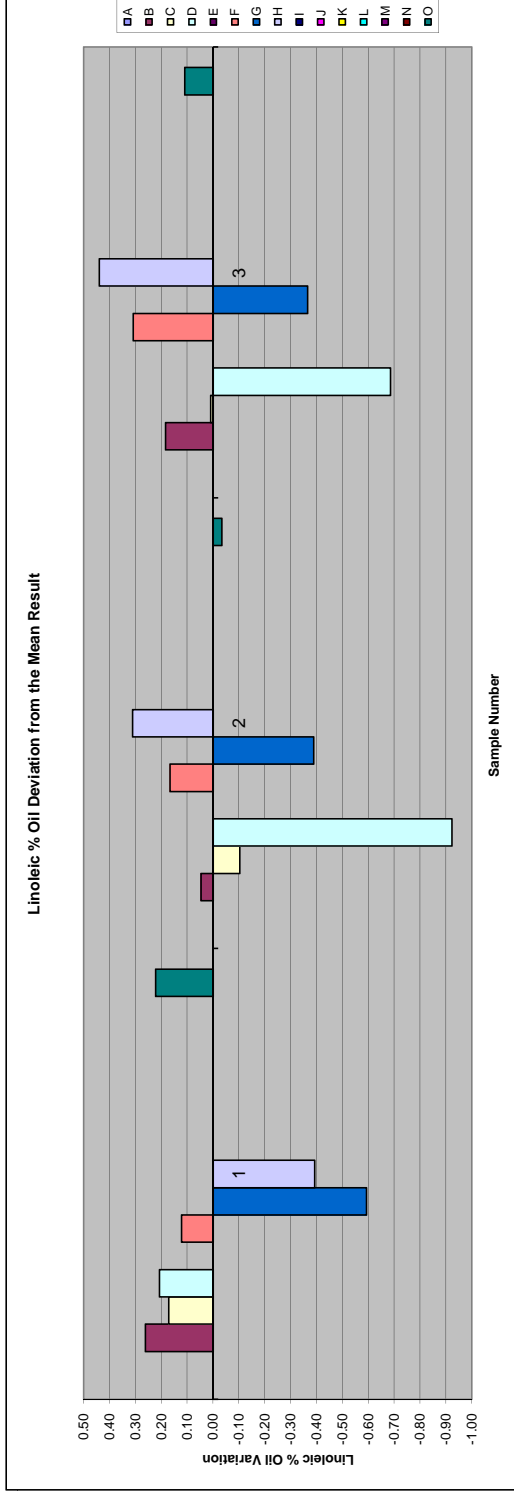
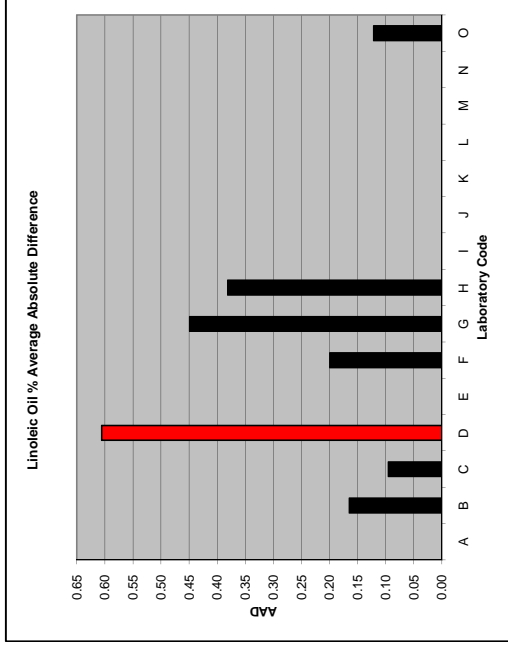
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Lab	Oleic % Oil Deviation from the Mean										Average Absolute Difference	
	Sample 1		Sample 2		Sample 3		Mean of Differences		Average Absolute Difference			
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean						
A												
B	59.96	-1.09	60.57	-0.95	59.21	-1.33	-1.12	-1.12	1.12			
C	61.29	0.24	62.43	0.91	61.07	0.53	0.56	0.56	0.56			
D	61.79	0.73	63.13	1.61	63.04	2.50	1.62	1.62	1.62			
E												
F	59.80	-1.25	59.75	-1.76	58.80	-1.74	-1.58	-1.58	1.58			
G	63.08	2.02	62.76	1.24	61.82	1.28	1.51	1.51	1.51			
H	60.70	-0.36	60.83	-0.68	59.74	-0.80	-0.61	-0.61	0.61			
I												
J												
K												
L												
M												
N												
O	60.75	-0.30	61.15	-0.36	60.10	-0.44	-0.37	-0.37	0.37			
MEAN	61.05		61.51		60.54							
STDEV	1.13		1.26		1.52							



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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	19.99	0.26	20.63	0.05	20.33	0.18	0.16	0.16		
C	19.90	0.17	20.48	-0.10	20.15	0.01	0.03	0.09		
D	19.94	0.21	19.66	-0.92	19.46	-0.69	-0.47	0.61		
E										
F	19.85	0.12	20.75	0.17	20.45	0.31	0.20	0.20		
G	19.14	-0.59	20.20	-0.39	19.78	-0.37	-0.45	0.45		
H	19.34	-0.39	20.90	0.31	20.58	0.44	0.12	0.38		
I										
J										
K										
L										
M										
N										
O	19.95	0.22	20.55	-0.03	20.25	0.11	0.10	0.12		
MEAN	19.73		20.58		20.14			0.29		
STDEV	0.34		0.24		0.40					



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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	0.15	-0.16	0.28	-0.11	2.49	-0.24	-0.17	0.17		
B	0.22	-0.08	0.27	-0.12	0.43	-2.30	-0.84	0.84		
C	0.46	0.16	0.33	-0.06	2.15	-0.58	-0.16	0.27		
D	0.32	0.01	0.54	0.15	3.52	0.79	0.31	0.31		
E	0.34	0.03	0.54	0.15	3.05	0.32	0.17	0.17		
F	0.43	0.13	0.43	0.04	2.36	-0.37	-0.07	0.18		
G	0.30	0.00	0.40	0.01	3.40	0.67	0.23	0.23		
H										
I										
J										
K	0.22	-0.08	0.34	-0.05	2.14	-0.59	-0.24	0.24		
L										
M										
N										
O										
MEAN	0.30		0.39		2.73			0.30		
STDEV	0.11		0.11		0.59					

