



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

Result Receiving Dates

Lab Code	Date
E	03-Sep-09
A	07-Sep-09
I	07-Sep-09
J	11-Sep-09
C	15-Sep-09
N	18-Sep-09
F	23-Sep-09
D	24-Sep-09
B	25-Sep-09
G	25-Sep-09
K	25-Sep-09
L	28-Sep-09
M	28-Sep-09
H	29-Sep-09
O	Not Received

Discussion of Results

Test Weight

No labs submitted outliers for Test Weight this round. Labs A and F produced the highest average absolute differences of 1.35 and 1.20.

Impurities

Lab B generated an outlier for sample 1, recording the highest average absolute difference of 0.78.

Oil Rapid

Lab A submitted results lower than the mean and generated an outlier for sample 1 with an average absolute difference of 1.14. Labs B and G continue to produce outliers for Oil Rapid. Both labs submitted results with outliers for sample 1 and generated the average absolute differences of 1.63 and 1.61.

Oil Solvent

Lab F submitted results lower than the mean and generated an outlier for samples 2 and 3. The lab also generated the highest average absolute difference of 1.45. Good results were achieved by the remaining participants.



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Oil Solvent (AOCS Method Am 2-93)

No labs submitted outliers for Oil Solvent this round. Lab B generated the highest average absolute difference of 0.97.

Oil SFE

No labs submitted results for Oil SFE this round.

Moisture Oven

Lab D produced an outlier recording 0.38 for sample 2. Labs E and F submitted outliers for sample 3 recording 0.31 and -0.31. Lab N generated the highest average absolute difference of 0.43 with outliers produced for sample 2 and 3. Lab J 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 0.75. Good results were achieved by the remaining participants. Lab J achieved the best results with a low average absolute difference of 0.05.

Oleic Oil

Lab C submitted results higher than the mean for sample 2 and 3 recording the highest average absolute difference of 2.09.

Linoleic Oil

This round lab D submitted results with outliers for all three samples recording the highest average absolute difference of 1.45.

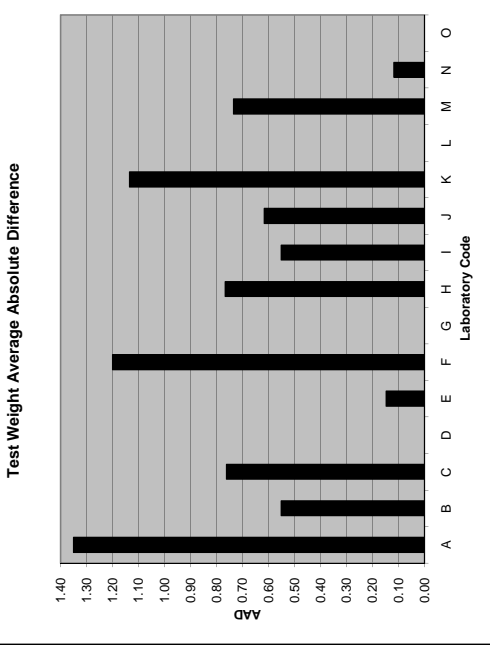
Free Fatty Acid

Lab C submitted results lower than the mean and generated an outlier for sample 2 with an average absolute difference of 0.18. Good results were achieved by the remaining participants. Labs H and L achieved the best results with a low average absolute difference of 0.02.

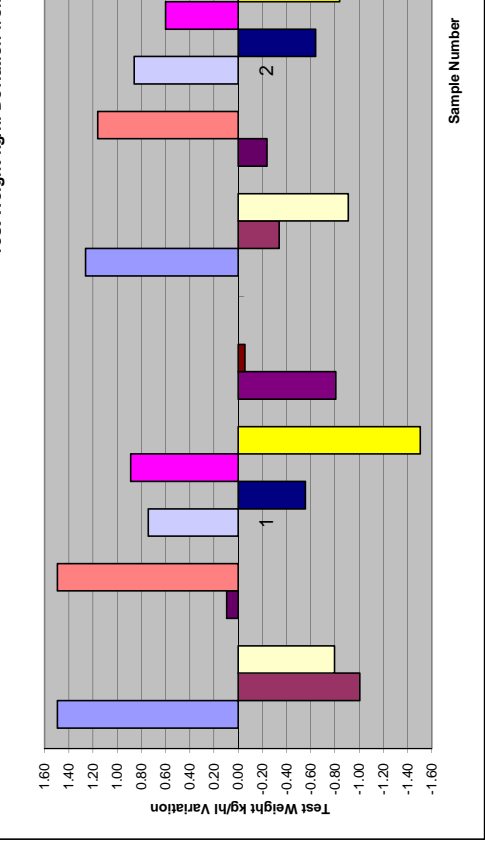
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Test Weight kg/hi

Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	70.50	1.49	71.10	1.26	69.60	1.29	1.35	1.35
B	68.00	-1.01	69.50	-0.34	68.00	-0.31	-0.55	0.55
C	68.21	-0.80	68.93	-0.91	67.73	-0.58	-0.76	0.76
D								
E	69.10	0.09	69.60	-0.24	68.20	-0.11	-0.08	0.15
F	70.50	1.49	71.00	1.16	69.25	0.94	1.20	1.20
G								
H	69.75	0.74	70.70	0.86	69.00	0.69	0.77	0.77
I	68.45	-0.56	69.20	-0.64	67.85	-0.46	-0.55	0.55
J	69.90	0.89	70.44	0.60	68.67	0.36	0.62	0.62
K	67.50	-1.51	69.00	-0.84	67.25	-1.06	-1.13	1.13
L								
M	68.20	-0.81	69.05	-0.79	67.70	-0.61	-0.73	0.73
N	68.95	-0.06	69.70	-0.14	68.15	-0.16	-0.12	0.12
O								
MEAN	69.01		69.84		68.31			0.72
STDEV	1.03		0.82		0.73			

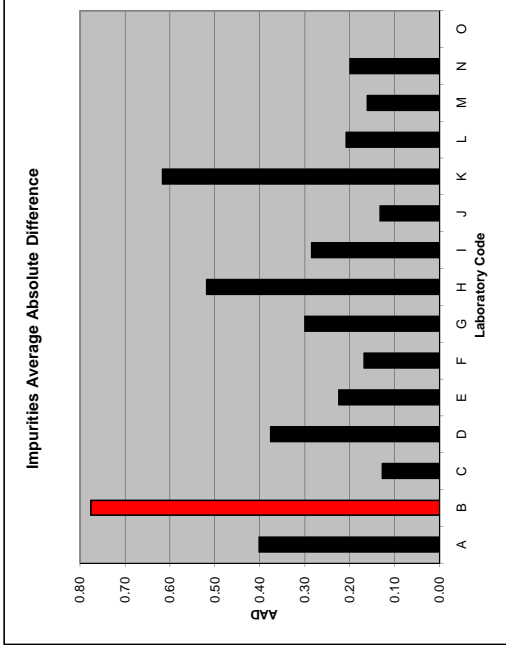


Test Weight kg/hi Deviation from the Mean

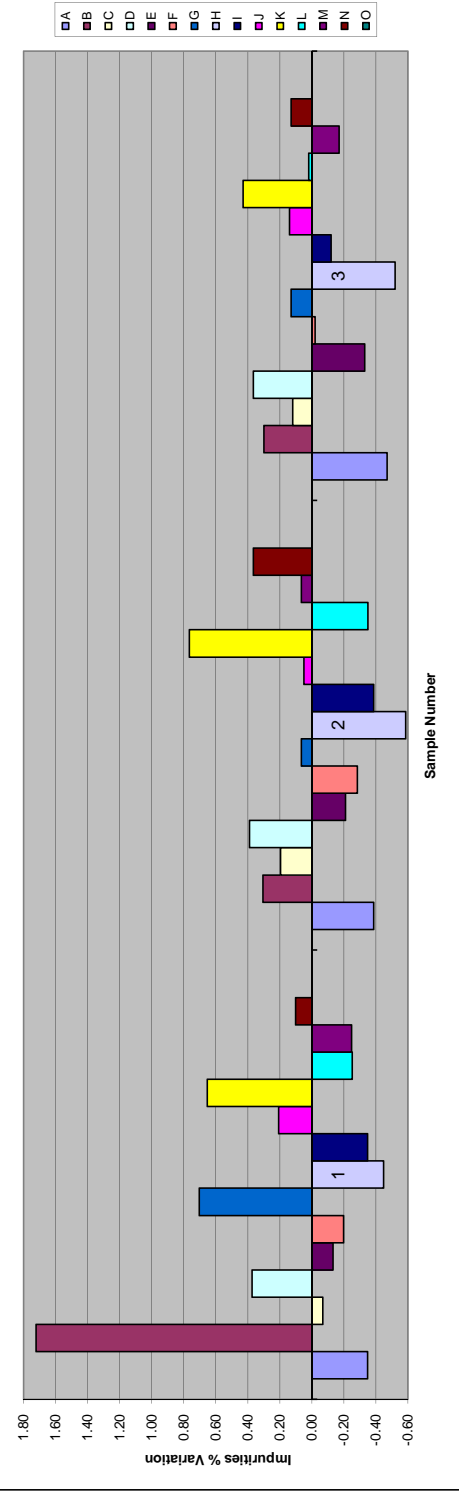


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Lab	Impurities %									
	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference	Sample 3	
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean			Result	S3-Mean
A	0.45	-0.35	0.70	-0.39	0.70	-0.47	-0.40	0.40		
B	2.52	1.72	1.39	0.31	1.47	0.30	0.78	0.78		
C	0.73	-0.07	1.28	0.20	1.29	0.12	0.08	0.13		
D	1.17	0.37	1.48	0.39	1.54	0.36	0.38	0.38		
E	0.67	-0.13	0.88	-0.21	0.84	-0.33	-0.22	0.22		
F	0.60	-0.20	0.80	-0.29	1.15	-0.02	-0.17	0.17		
G	1.50	0.70	1.15	0.07	1.30	0.13	0.30	0.30		
H	0.35	-0.45	0.50	-0.59	0.65	-0.52	-0.52	0.52		
I	0.45	-0.35	0.70	-0.39	1.05	-0.12	-0.28	0.28		
J	1.01	0.21	1.14	0.05	1.31	0.14	0.13	0.13		
K	1.45	0.65	1.85	0.77	1.60	0.43	0.62	0.62		
L	0.55	-0.25	0.74	-0.35	1.19	0.02	-0.19	0.21		
M	0.55	-0.25	1.15	0.07	1.00	-0.17	-0.12	0.16		
N	0.90	0.10	1.45	0.37	1.30	0.13	0.20	0.20		
O										
MEAN	0.80		1.09		1.17			0.32		
STDEV	0.38		0.38		0.29					



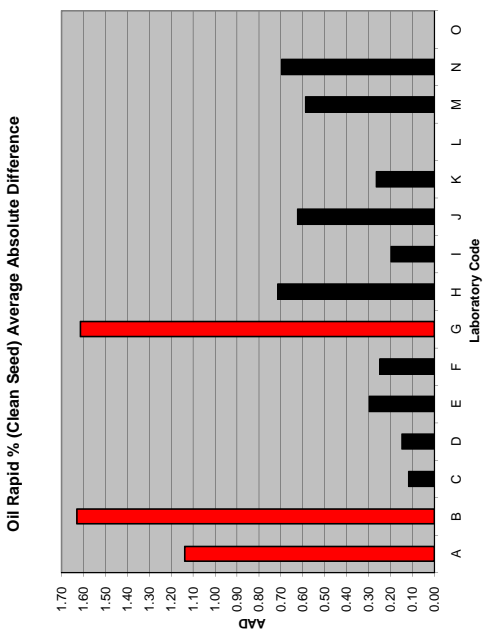
Impurities % Deviation from the Mean Result



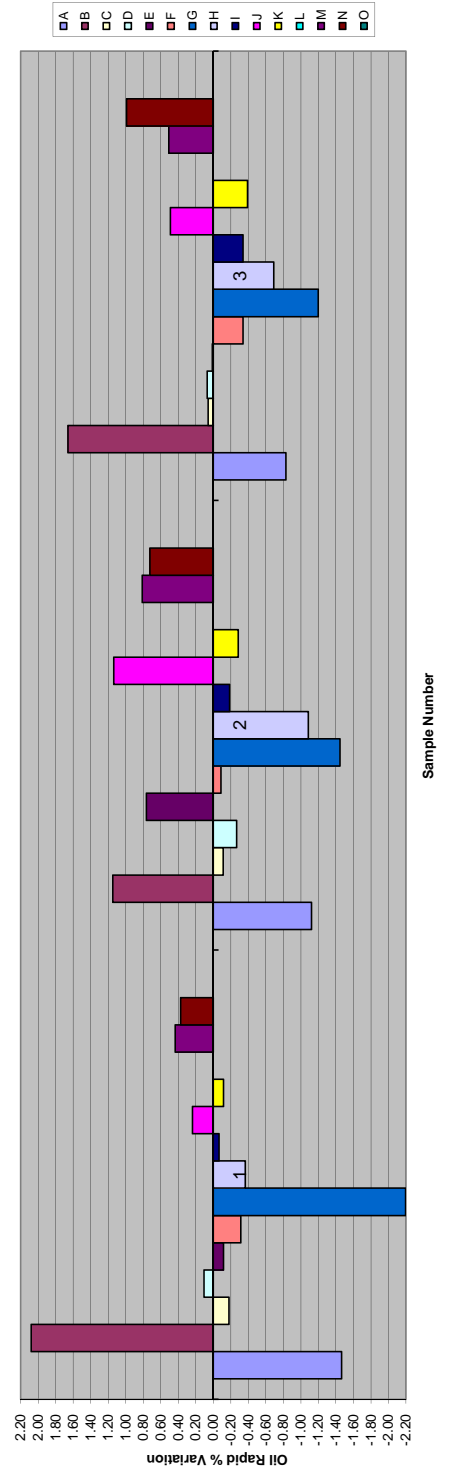
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Oil Rapid % (Clean Seed) Deviation from the Mean

Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	40.80	-1.47	35.87	-1.12	38.11	-0.83	-1.14	1.14
B	44.55	2.08	38.14	1.15	40.60	1.66	1.63	1.63
C	42.09	-0.18	36.88	-0.11	39.00	0.06	-0.08	0.12
D	42.37	0.10	36.72	-0.27	39.01	0.07	-0.03	0.15
E	42.15	-0.11	37.75	0.76	38.95	0.01	0.22	0.30
F	41.95	-0.31	36.90	-0.09	38.60	-0.34	-0.25	0.25
G	40.07	-2.20	35.54	-1.45	37.74	-1.20	-1.61	1.61
H	41.90	-0.37	35.90	-1.09	38.25	-0.69	-0.71	0.71
I	42.20	-0.06	36.80	-0.19	38.60	-0.34	-0.20	0.20
J	42.51	0.24	38.13	1.14	39.43	0.49	0.62	0.62
K	42.15	-0.12	36.70	-0.29	38.55	-0.39	-0.26	0.26
L								
M	42.70	0.44	37.80	0.81	39.45	0.51	0.59	0.59
N	42.64	0.38	37.71	0.72	39.93	0.99	0.70	0.70
O								
MEAN	42.27		36.99		38.94			0.64
STDEV	0.28		0.87		0.78			

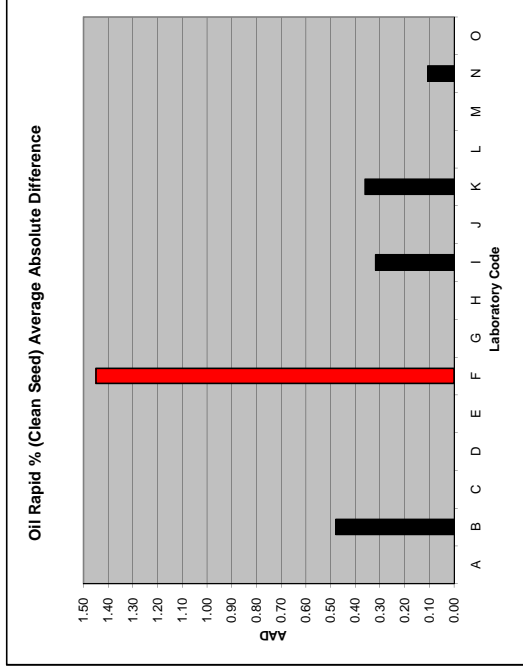


Oil Rapid % (Clean Seed) Deviation from the Mean Result

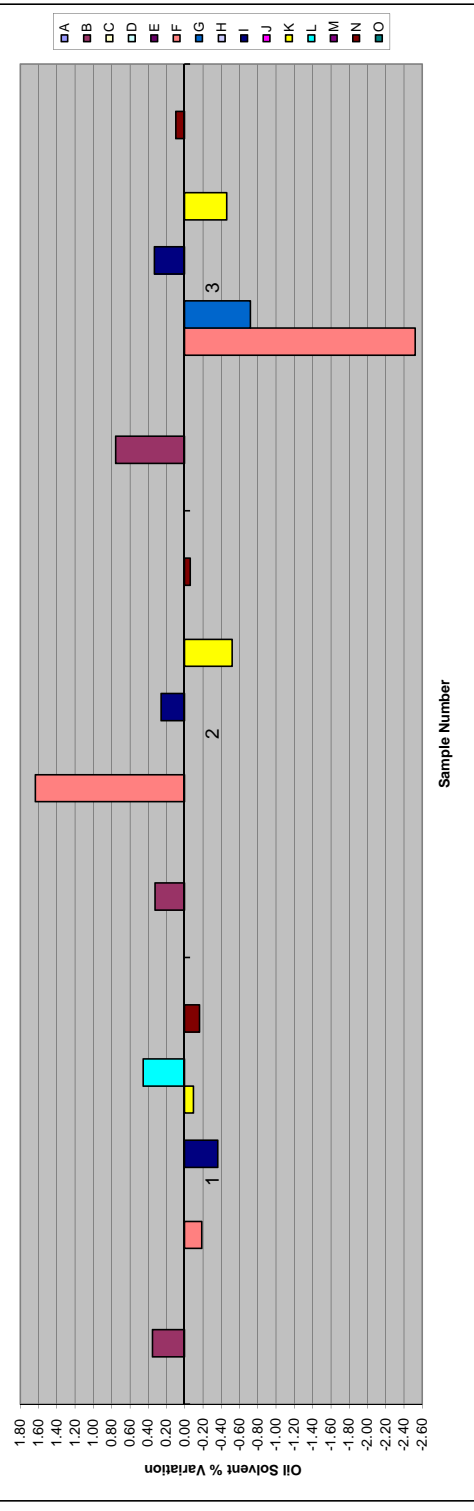


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Lab	Oil Solvent % (Clean Seed) Deviation from the Mean										Average Absolute Difference
	Sample 1		Sample 2		Sample 3		Mean of Differences		Average Absolute Difference		
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean					
A	43.00	0.35	37.65	0.32	40.07	0.75	0.48	0.48	0.48		
B											
C											
D											
E											
F	42.46	-0.19	38.96	1.63	36.79	-2.63	-0.36	1.45			
G					38.59	-0.72					
H											
I	42.29	-0.36	37.58	0.26	39.64	0.33	0.08	0.32			
J											
K	42.55	-0.10	36.80	-0.52	38.85	-0.46	-0.36	0.36			
L	43.10	0.45									
M											
N	42.49	-0.16	37.26	-0.06	39.41	0.09	-0.04	0.11			
O											
MEAN	42.65		37.32		39.31			0.54			
STDEV	0.33		0.39		0.60						



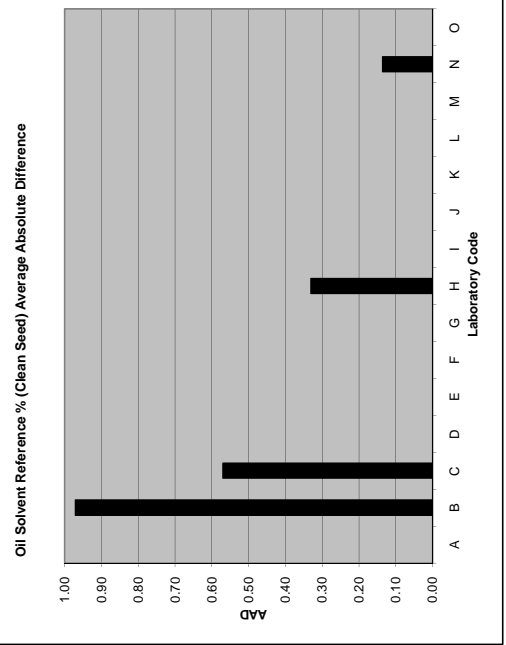
Oil Solvent % (Clean Seed) Deviation from the Mean Result



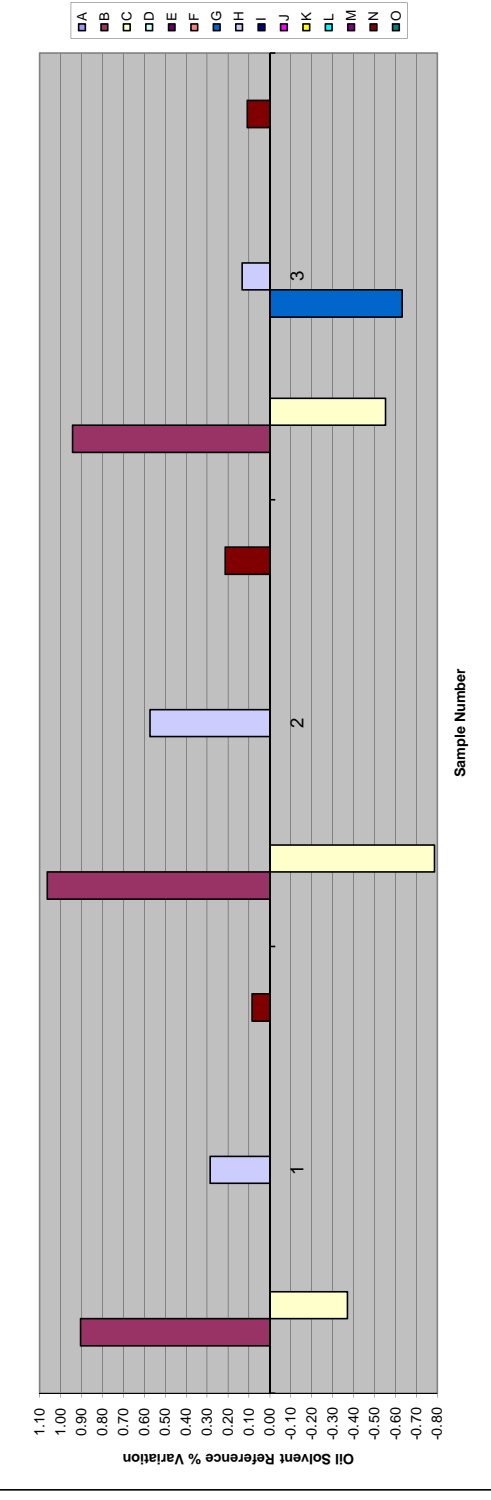
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Oil Solvent Reference % (Clean Seed) Deviation from the Mean

Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	43.42	0.91	38.09	1.06	40.26	0.94	0.97	0.97
C	42.15	-0.37	36.24	-0.79	38.77	-0.55	-0.57	0.57
D								
E								
F								
G					38.69	-0.63		
H	42.80	0.29	37.60	0.57	39.45	0.13	0.33	0.33
I								
J								
K								
L								
M								
N	42.60	0.09	37.24	0.21	39.43	0.11	0.14	0.14
O								
MEAN	42.52		37.03		39.32		0.14	
STDEV	0.34		0.70		0.64		0.50	

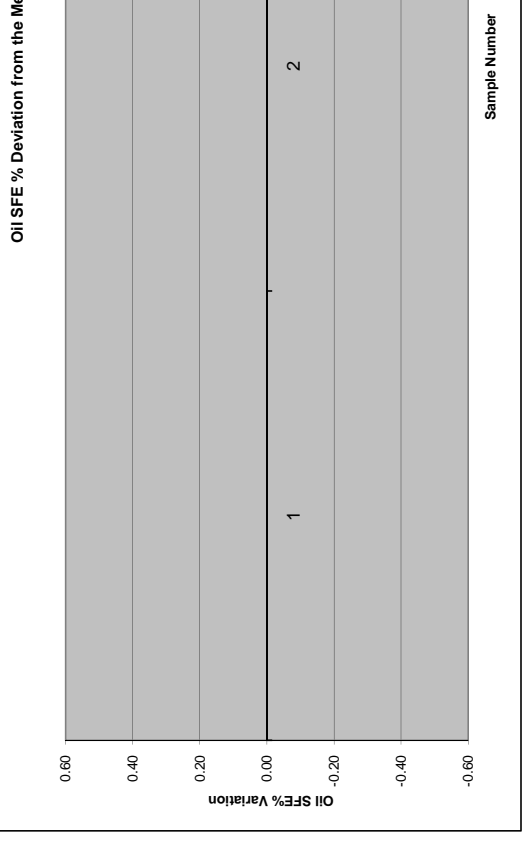
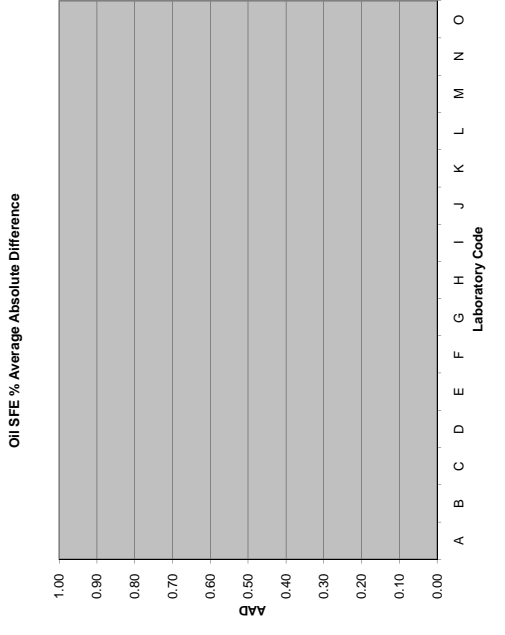


Oil Solvent Reference % (Clean Seed) Deviation from the Mean Result



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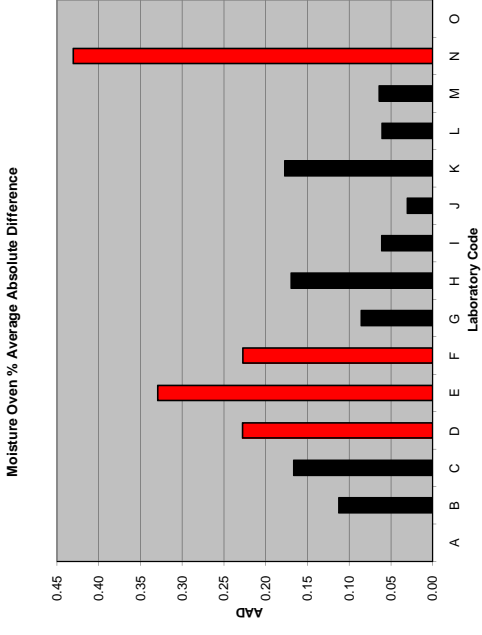
Oil SFE% Deviation from the Mean										
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference	#DIV/0!	#DIV/0!
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean				
A										
B										
C										
D										
E										
F										
G										
H										
I										
J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



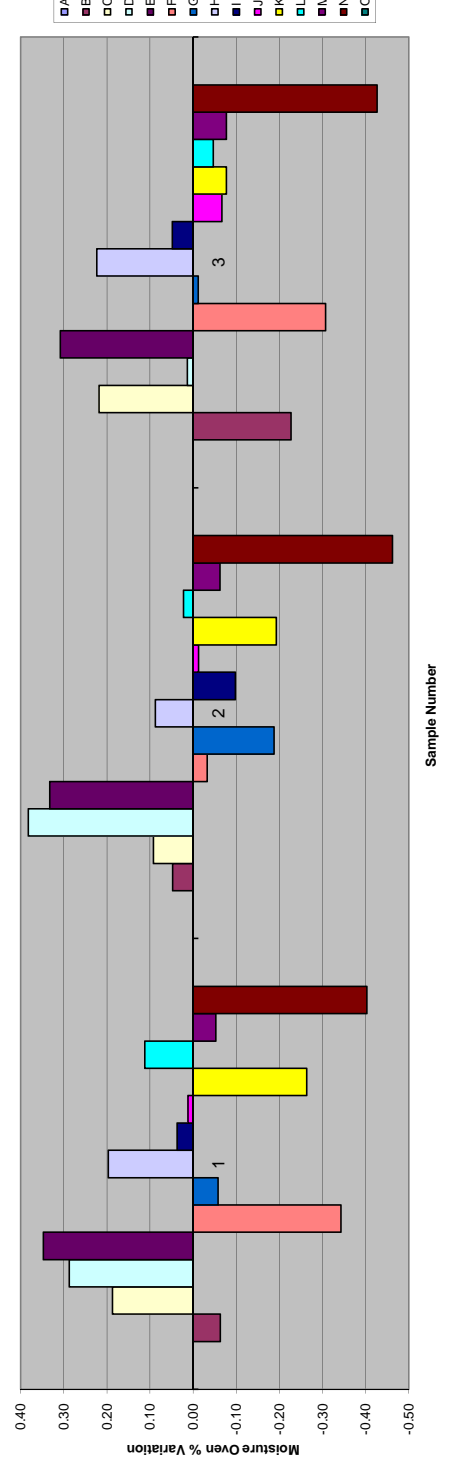
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Moisture Oven % Deviation from the Mean

Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	6.99	-0.06	6.81	0.05	7.70	-0.23	-0.08	0.11
C	7.24	0.19	6.86	0.09	8.15	0.22	0.17	0.17
D	7.34	0.29	7.15	0.38	7.94	0.01	0.23	0.23
E	7.40	0.35	7.10	0.33	8.24	0.31	0.33	0.33
F	6.71	-0.34	6.73	-0.03	7.62	-0.31	-0.23	0.23
G	7.00	-0.06	6.58	-0.19	7.92	-0.01	-0.09	0.09
H	7.25	0.20	6.85	0.09	8.15	0.22	0.17	0.17
I	7.09	0.04	6.67	-0.10	7.98	0.05	0.00	0.06
J	7.07	0.01	6.75	-0.01	7.86	-0.07	-0.02	0.03
K	6.79	-0.26	6.57	-0.19	7.85	-0.08	-0.18	0.18
L	7.17	0.11	6.79	0.02	7.88	-0.05	0.03	0.06
M	7.00	-0.05	6.70	-0.06	7.85	-0.08	-0.06	0.06
N	6.65	-0.40	6.30	-0.46	7.50	-0.43	-0.43	0.43
O								
MEAN	7.05		6.76		7.93			0.16
STDEV	0.23		0.15		0.14			



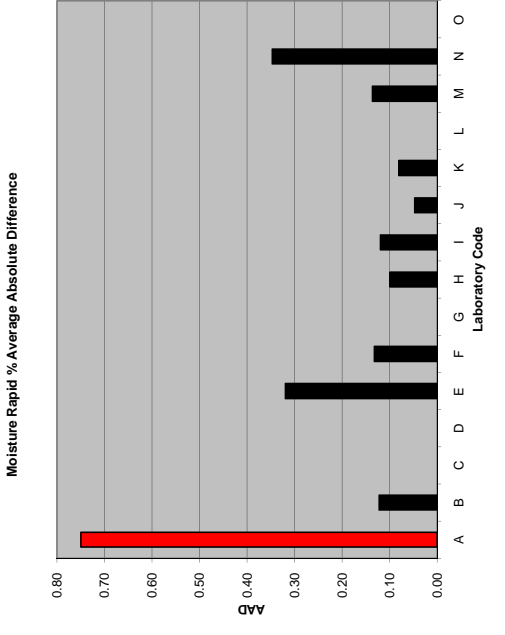
Moisture Oven % Deviation from the Mean Result



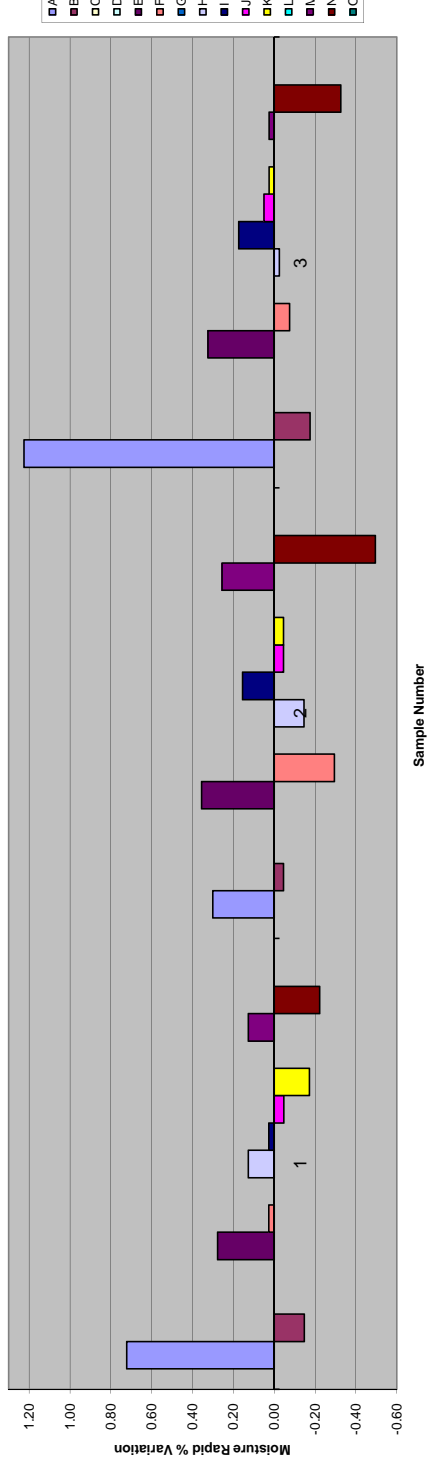
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Moisture Rapid % Deviation from the Mean

Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	7.70	0.72	7.10	0.30	9.00	1.23	0.75	0.75
B	6.83	-0.15	6.75	-0.04	7.60	-0.18	-0.12	0.12
C								
D								
E	7.25	0.28	7.15	0.36	8.10	0.32	0.32	0.32
F	7.00	0.03	6.50	-0.29	7.70	-0.08	-0.11	0.13
G								
H	7.10	0.13	6.65	-0.14	7.75	-0.03	-0.01	0.10
I	7.00	0.03	6.95	0.16	7.95	0.17	0.12	0.12
J	6.93	-0.05	6.75	-0.04	7.83	0.05	-0.01	0.05
K	6.80	-0.17	6.75	-0.04	7.80	0.02	-0.06	0.08
L								
M	7.10	0.13	7.05	0.26	7.80	0.02	0.14	0.14
N	6.75	-0.22	6.30	-0.49	7.45	-0.33	-0.35	0.35
O								
MEAN	6.97		6.79		7.78			0.22
STDEV	0.16		0.27		0.19			



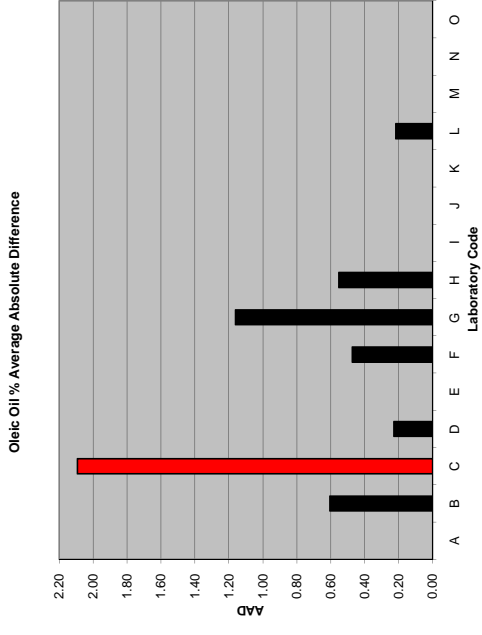
Moisture Rapid % Deviation from the Mean Result



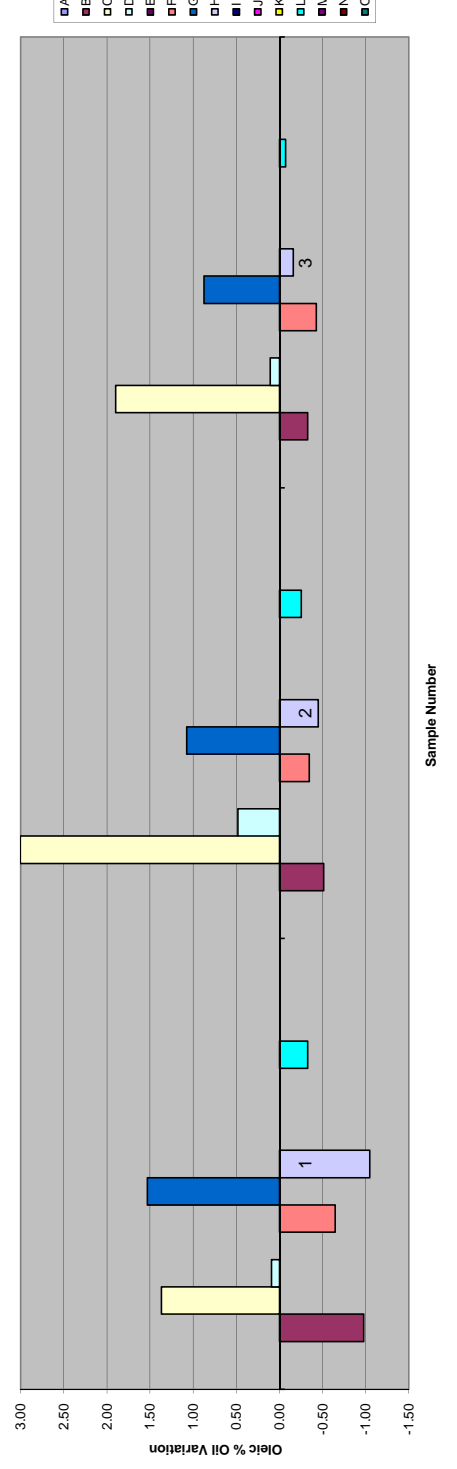
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Oleic % Oil Deviation from the Mean

Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	59.67	-0.98	58.48	-0.51	61.50	-0.33	-0.61	0.61
C	62.02	1.37	62.00	3.01	63.73	1.90	2.09	2.09
D	60.74	0.09	59.48	0.48	61.94	0.11	0.23	0.23
E								
F	60.00	-0.65	58.65	-0.34	61.40	-0.43	-0.47	0.47
G	62.18	1.53	60.07	1.08	62.70	0.87	1.16	1.16
H	59.60	-1.05	58.55	-0.45	61.67	-0.16	-0.55	0.55
I								
J								
K								
L	60.32	-0.33	58.74	-0.25	61.76	-0.07	-0.22	0.22
M								
N								
O								
MEAN	60.65		58.99		61.83			0.76
STDEV	1.07		0.64		0.47			



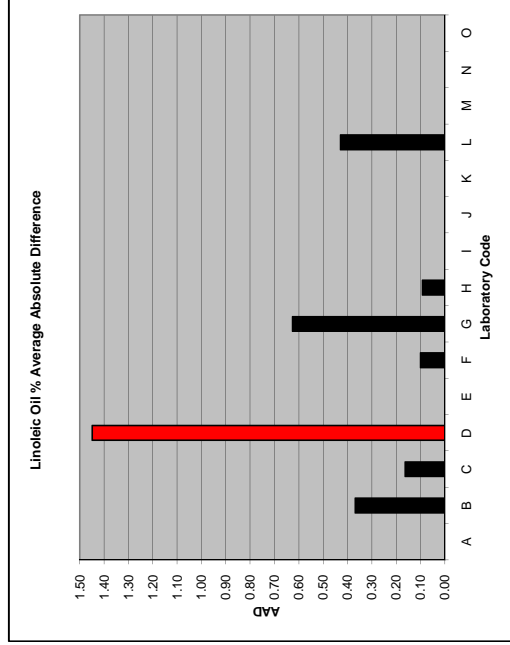
Oleic % Oil Deviation from the Mean Result



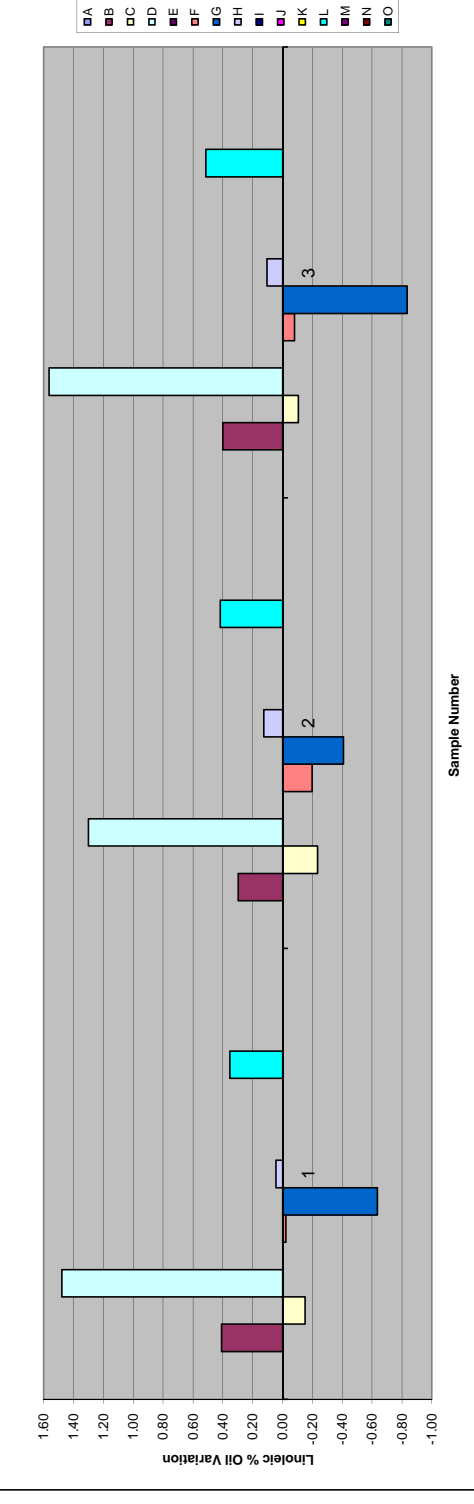
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Linoleic % Oil Deviation from the Mean

Lab	Sample 1		Sample 2		Sample 3		Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean	
A							
B	20.18	0.41	20.85	0.30	19.13	0.40	0.37
C	19.62	-0.15	20.32	-0.23	18.63	-0.11	0.16
D	21.25	1.48	21.85	1.30	20.30	1.57	1.45
E							
F	19.75	-0.02	20.35	-0.20	18.65	-0.08	0.10
G	19.14	-0.64	20.14	-0.41	17.90	-0.84	0.63
H	19.82	0.04	20.68	0.13	18.84	0.11	0.09
I							
J							
K							
L	20.13	0.35	20.97	0.42	19.25	0.51	0.43
M							
N							
O							
MEAN	19.77		20.55		18.73		0.46
STDEV	0.38		0.33		0.48		



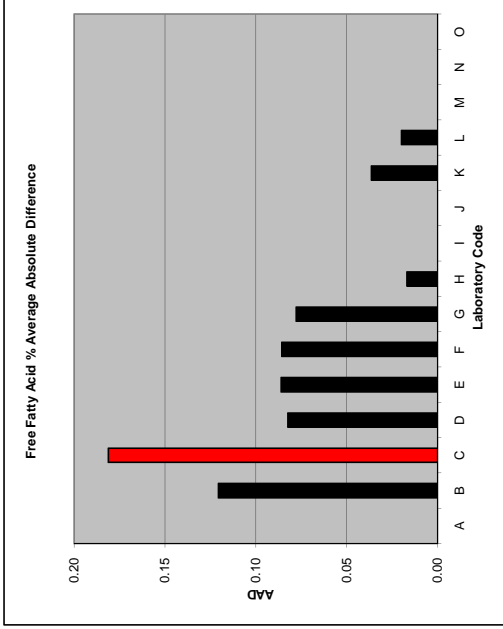
Linoleic % Oil Deviation from the Mean Result



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Free Fatty Acid % Oil Deviation from the Mean

Lab	Sample 1		Sample 2		Sample 3		Average Absolute Differences	Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean			
A	0.12	-0.12	0.39	-0.09	0.29	-0.15	-0.12	0.12	
B	0.35	0.11	0.73	0.25	0.62	0.18	0.18	0.18	
C	0.36	0.12	0.42	-0.06	0.36	-0.08	-0.01	0.08	
D	0.19	-0.06	0.53	0.05	0.59	0.15	0.05	0.09	
E	0.20	-0.04	0.39	-0.09	0.31	-0.13	-0.09	0.09	
F	0.29	0.05	0.62	0.14	0.48	0.04	0.08	0.08	
G	0.25	0.01	0.46	-0.02	0.46	0.02	0.01	0.02	
H									
I									
J									
K	0.17	-0.07	0.49	0.01	0.41	-0.03	-0.03	0.04	
L	0.25	0.01	0.52	0.04	0.42	-0.02	0.01	0.02	
M									
N									
O									
MEAN	0.24		0.48		0.44			0.08	
STDEV	0.08		0.08		0.11				



Free Fatty Acid % Oil Deviation from the Mean Result

