



08/09 AOF Test Check Program Monthly Report Round 6 May 2009

04/05/2009 - 01/06/2009

Result Receiving Dates

Lab Code	Date
J	04-May-09
E	11-May-09
K	15-May-09
M	20-May-09
N	20-May-09
F	22-May-09
A	25-May-09
B	30-May-09
D	01-Jun-09
H	01-Jun-09
I	15-Jun-09
C	16-Jun-09
L	Results resubmitted 29-Jun-09
G	Not received
O	Not received

Discussion of Results

Test Weight

Lab D submitted results significantly lower than the mean and recorded outliers for all three samples. Lab D produced outliers for consecutive rounds for this method and generated the highest average absolute difference of 4.33.

Impurities

Lab B produced an outlier for sample 3 with a mean difference of 1.44. The lab also generated the highest average absolute difference of 0.96.

Oil Rapid

Labs A and H produced the highest absolute average differences of 0.81 and 0.83. No labs submitted outliers for Oil Rapid method this round.

Oil Solvent

Lab H submitted results lower than the mean and generated an outlier for sample 2. The lab also generated the highest average absolute difference of 1.53.



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Oil Solvent (AOCS Method Am 2-93)

No outliers were produced by the participating laboratories for this method.

Oil SFE

No labs submitted results for Oil SFE this round.

Moisture Oven

The result produced by lab D for sample 2 was significantly lower than the mean, recording the highest absolute average difference of 0.72.

Moisture Rapid

The results produced by lab N were significantly lower than the mean with outliers for sample 1 and 3, recording the highest absolute average difference of 0.63. Lab F produced an outlier for sample 1 and generated the second highest absolute average difference of 0.41. Lab K submitted the best results to achieve a low average absolute difference of 0.04.

Oleic Oil

Lab D submitted results higher than the mean and recorded an outlier for sample 3. The lab generated the highest average absolute difference of 2.05.

Linoleic Oil

Lab D and H produced outliers for consecutive rounds for this method and both generated the highest average absolute differences of 0.70 and 0.68.

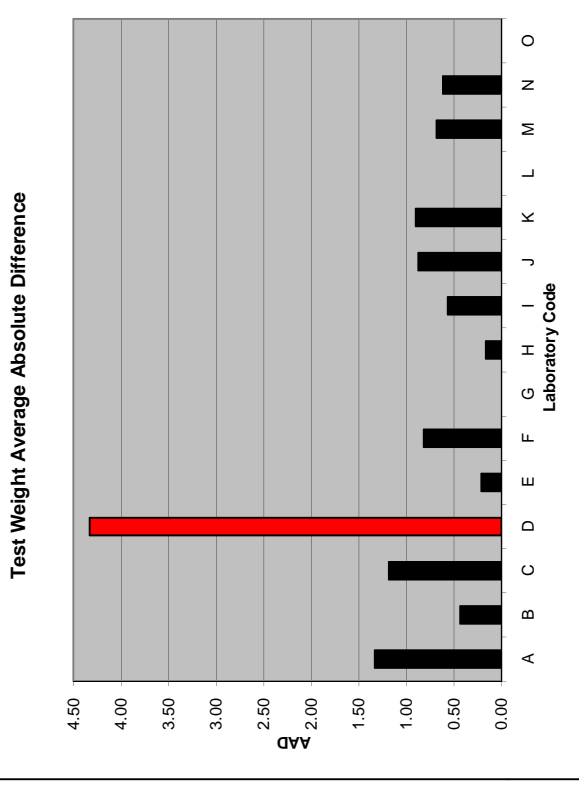
Free Fatty Acid

Lab E submitted results significantly higher than the mean and recorded outliers for all three samples. The lab generated the highest average absolute difference of 0.79.

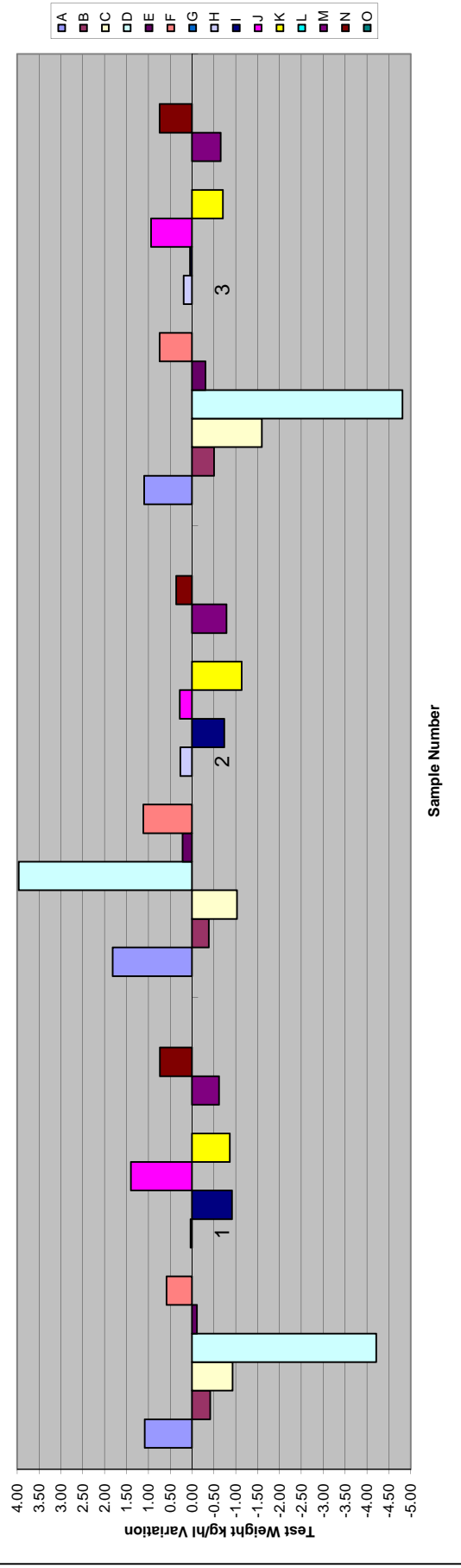
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Test Weight kg/hl

Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	70.00	1.09	71.20	1.82	71.10	1.10	1.33	1.33
B	68.50	-0.41	69.00	-0.38	69.50	-0.50	-0.43	0.43
C	67.99	-0.93	68.36	-1.02	68.41	-1.60	-1.18	1.18
D	64.71	-4.21	73.35	3.97	65.20	-4.81	-1.68	4.33
E	68.80	-0.11	69.60	0.22	69.70	-0.31	-0.07	0.21
F	69.50	0.59	70.50	1.12	70.75	0.75	0.82	0.82
G								
H	68.95	0.04	69.65	0.27	70.20	0.19	0.17	0.17
I	68.00	-0.91	68.65	-0.73	70.05	0.05	-0.53	0.56
J	70.32	1.40	69.67	0.28	70.95	0.94	0.87	0.87
K	68.05	-0.86	68.25	-1.13	69.30	-0.70	-0.90	0.90
L								
M	68.30	-0.61	68.60	-0.78	69.35	-0.66	-0.68	0.68
N	69.65	0.74	69.75	0.37	70.75	0.75	0.62	0.62
O								
MEAN	68.91		69.38		70.01			1.01
STDEV	0.84		0.92		0.84			

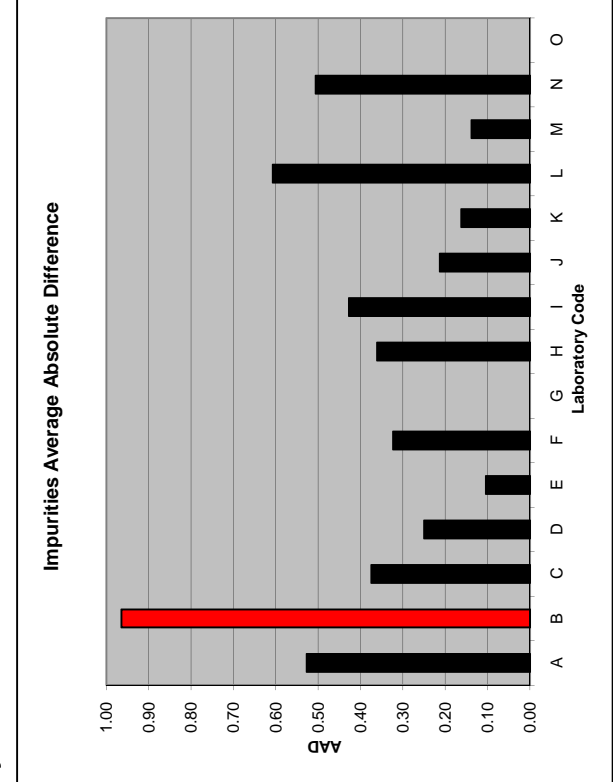


Test Weight kg/hl Deviation from the Mean

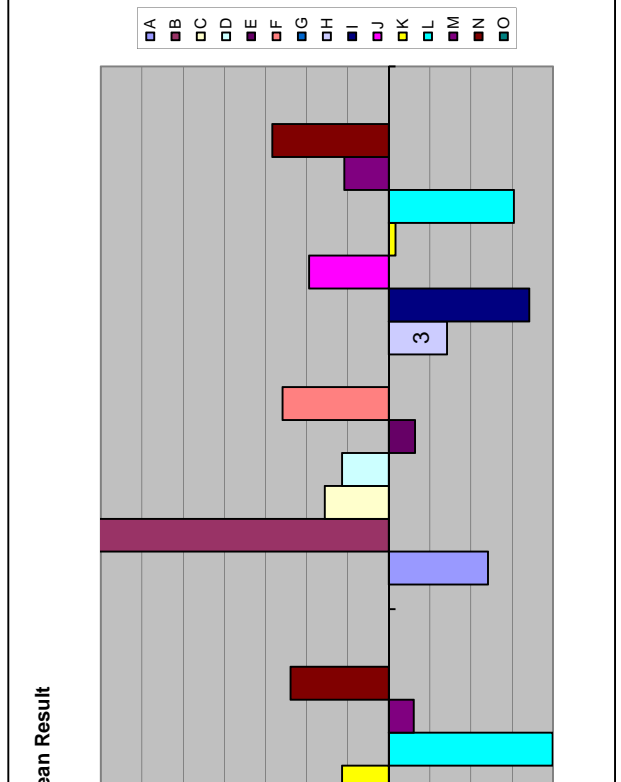


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Impurities %									
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference	Laboratory Code
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean			
A	0.80	-0.48	0.90	-0.62	0.90	-0.48	-0.53	0.53	A
B	1.73	0.45	2.53	1.00	2.83	1.44	0.96	0.96	B
C	1.60	0.32	2.02	0.49	1.70	0.31	0.37	0.37	C
D	1.56	0.28	1.28	-0.24	1.61	0.23	0.09	0.25	D
E	1.34	0.06	1.41	-0.12	1.26	-0.13	-0.06	0.10	E
F	1.20	-0.08	1.90	0.38	1.90	0.52	0.27	0.32	F
G									G
H	0.90	-0.38	1.10	-0.42	1.10	-0.28	-0.36	0.36	H
I	1.15	-0.13	1.05	-0.47	0.70	-0.68	-0.43	0.43	I
J	1.31	0.03	1.75	0.22	1.77	0.39	0.21	0.21	J
K	1.05	-0.23	1.75	0.23	1.35	-0.03	-0.01	0.16	K
L	0.86	-0.42	0.73	-0.80	0.78	-0.61	-0.61	0.61	L
M	1.35	0.07	1.40	-0.12	1.60	0.22	0.06	0.14	M
N	1.75	0.47	2.00	0.48	1.95	0.57	0.51	0.51	N
O									O
MEAN	1.28		1.52		1.38			0.38	
STDEV	0.32		0.52		0.44				

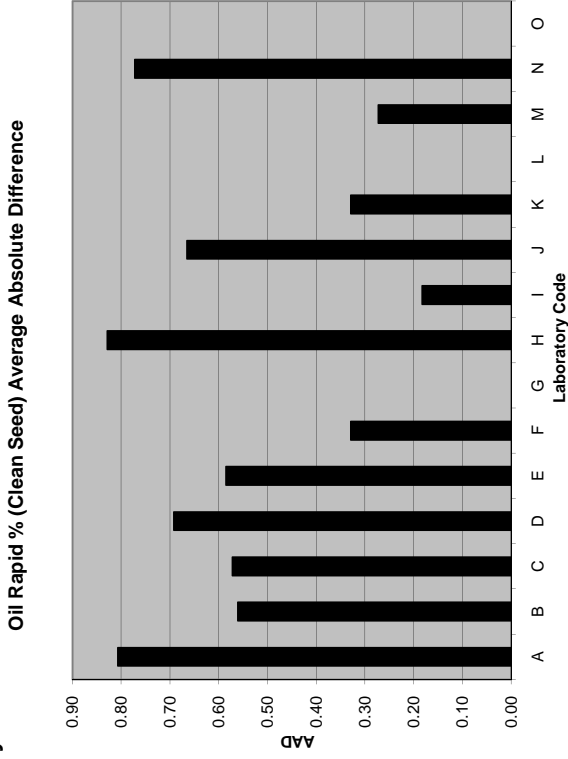


Oil Rapid % (Clean Seed) Deviation from the Mean									
Sample Number	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference	Laboratory Code
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean			
1	0.80	-0.48	0.90	-0.62	0.90	-0.48	-0.53	0.53	A
2	1.73	0.45	2.53	1.00	2.83	1.44	0.96	0.96	B
3	1.60	0.32	2.02	0.49	1.70	0.31	0.37	0.37	C

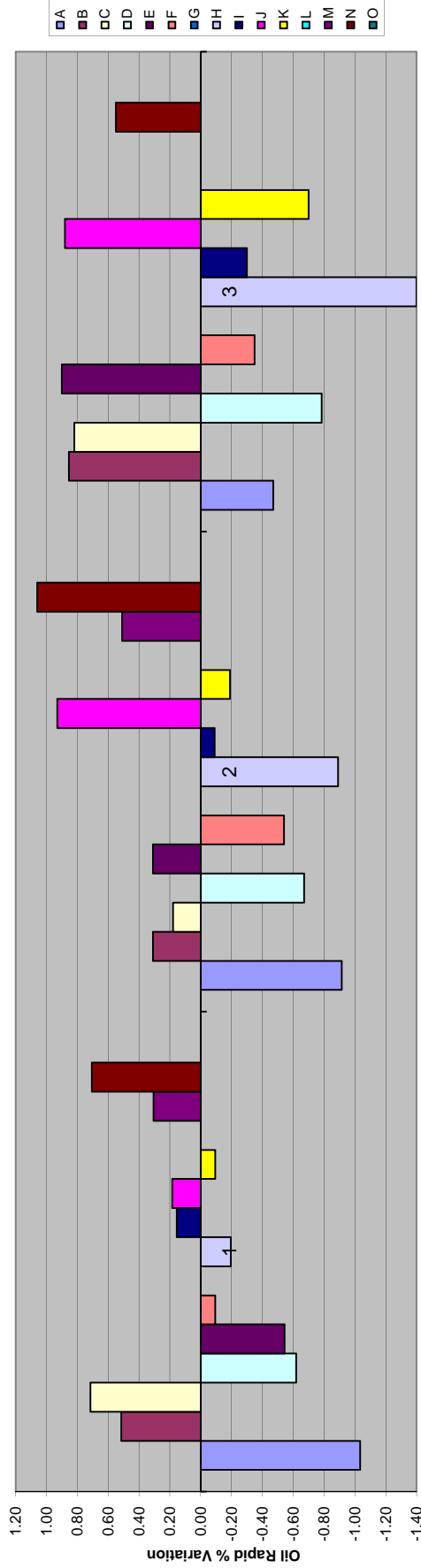


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Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	39.96	-1.03	37.98	-0.92	36.58	-0.47	-0.81	0.81
B	41.51	0.52	39.20	0.31	37.91	0.85	0.56	0.56
C	41.71	0.72	39.07	0.18	37.87	0.82	0.57	0.57
D	40.38	-0.62	38.22	-0.67	36.27	-0.79	-0.69	0.69
E	40.45	-0.54	39.20	0.31	37.95	0.90	0.22	0.58
F	40.90	-0.09	38.35	-0.54	36.70	-0.35	-0.33	0.33
G								
H	40.80	-0.19	38.00	-0.89	35.65	-1.40	-0.83	0.83
I	41.15	0.16	38.80	-0.09	36.75	-0.30	-0.08	0.18
J	41.18	0.19	39.82	0.93	37.93	0.88	0.67	0.67
K	40.90	-0.09	38.70	-0.19	36.35	-0.70	-0.33	0.33
L								
M	41.30	0.31	39.40	0.51	37.05	0.00	0.27	0.27
N	41.70	0.71	39.95	1.06	37.60	0.55	0.77	0.77
O								
MEAN	40.99		38.89		37.05			0.55
STDEV	0.54		0.67		0.79			



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



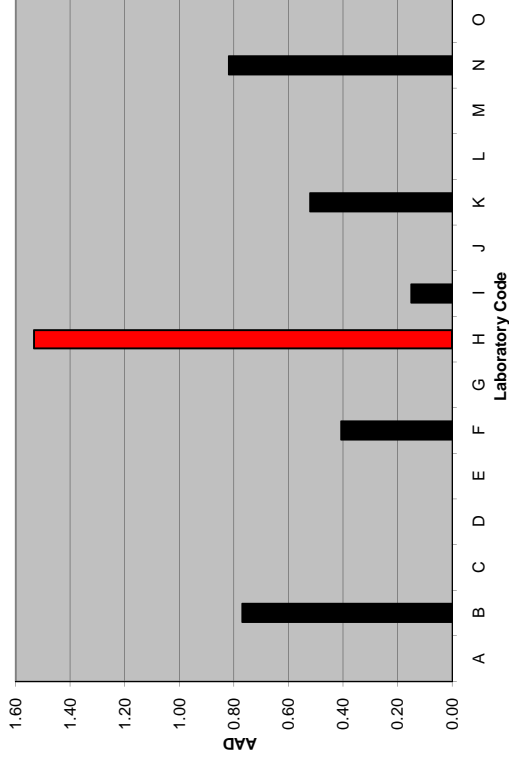
Sample Number

Oil Solvent % (Clean Seed) Deviation from the Mean

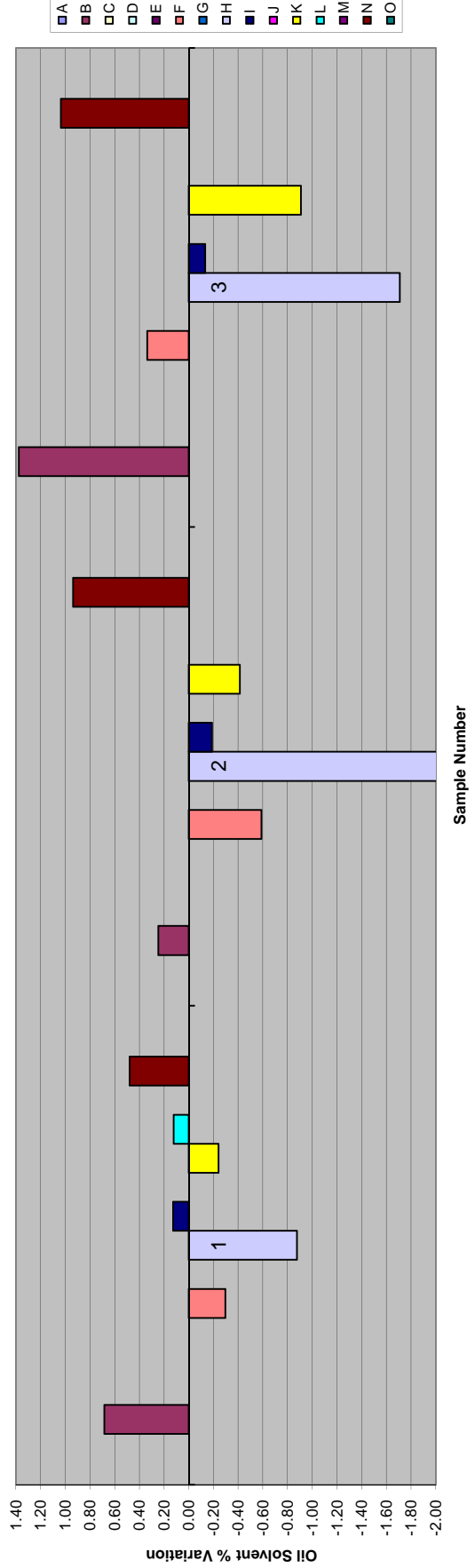
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Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	41.56	0.68					0.77	
B			39.21	0.25	37.84	1.38		0.77
C								
D								
E								
F	40.58	-0.30	38.38	-0.59	36.80	0.34	-0.18	0.41
G								
H	40.00	-0.88	36.95	-2.01	34.75	-1.71	-1.53	1.53
I	41.01	0.13	38.78	-0.19	36.33	-0.13	-0.06	0.15
J								
K	40.64	-0.24	38.55	-0.41	35.55	-0.91	-0.52	0.52
L	41.00	0.12						
M								
N	41.36	0.48	39.90	0.94	37.50	1.04	0.82	0.82
O								
MEAN	40.88		38.96		36.46			0.70
STDEV	0.52		0.61		1.17			

Oil Krapia % (Clean Seed) Average Absolute Difference



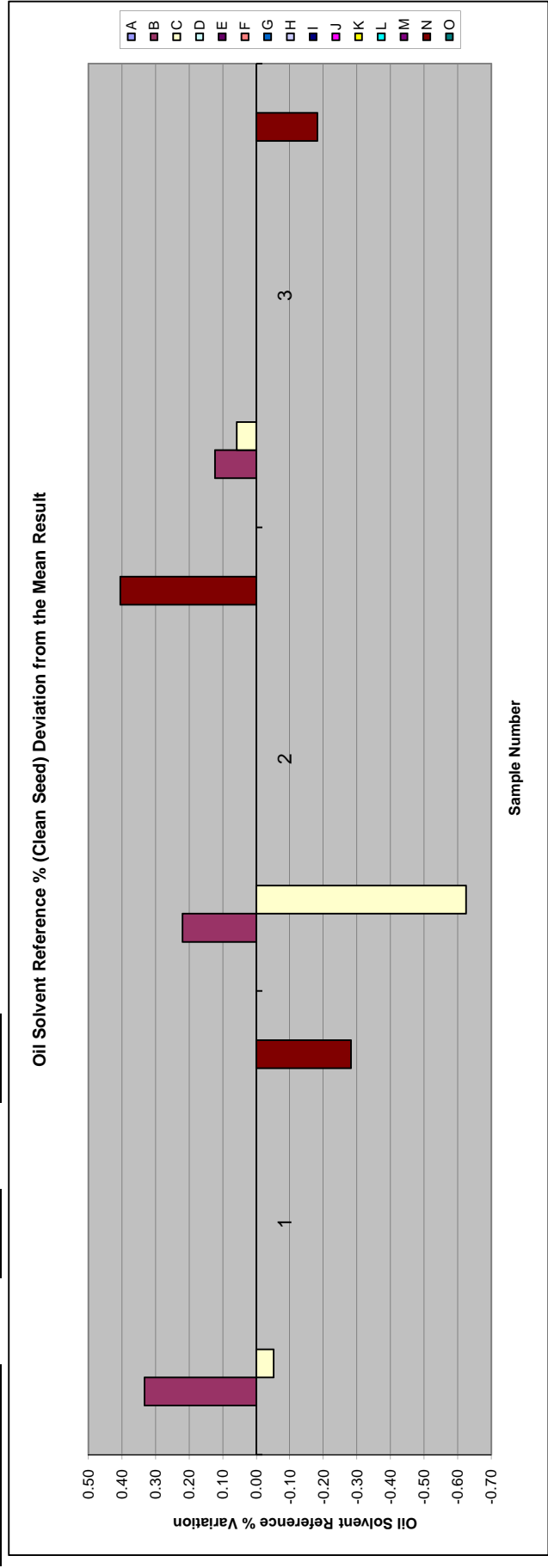
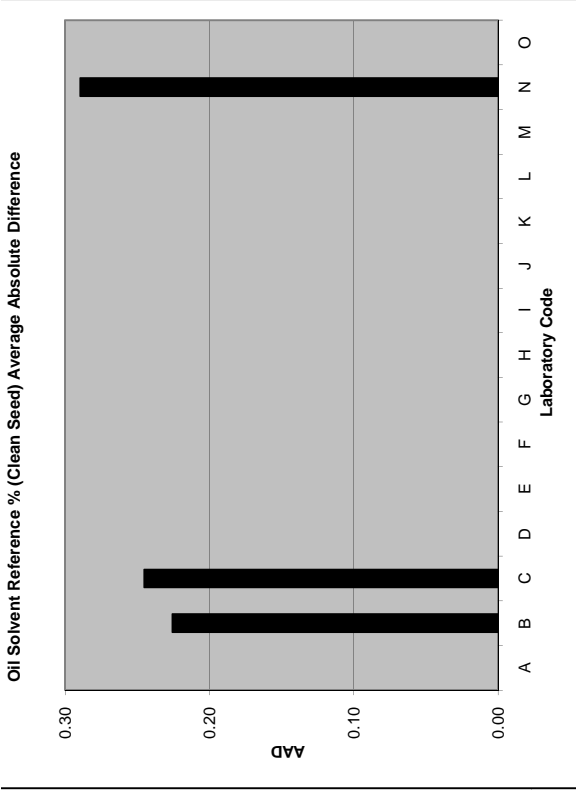
Oil Solvent % (Clean Seed) Deviation from the Mean Result



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

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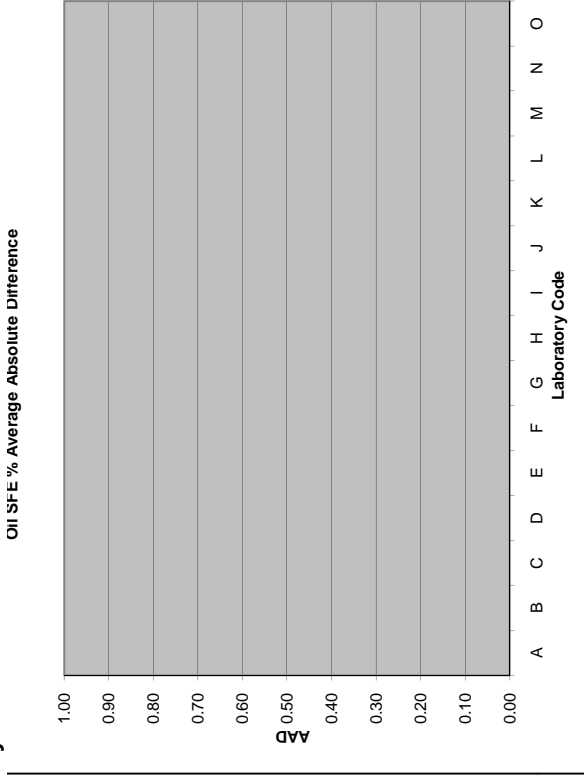
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	42.02	0.33	40.08	0.22	37.50	0.12	0.23	0.23
C	41.64	-0.05	39.24	-0.63	37.43	0.06	-0.21	0.25
D								
E								
F								
G								
H								
I								
J								
K								
L								
M								
N	41.41	-0.28	40.27	0.41	37.19	-0.18	-0.02	0.29
O								
MEAN	41.69		39.86		37.37			0.25
STDEV	0.31		0.55		0.16			



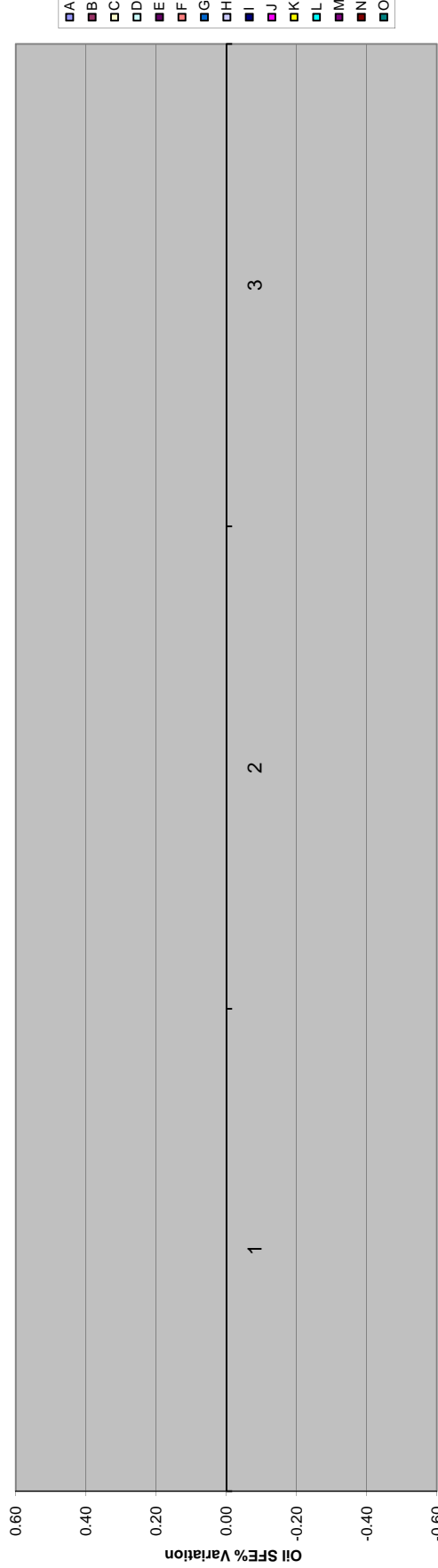
Oil SFE% Deviation from the Mean

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Lab	Sample 1		Sample 2		Sample 3		Average Absolute Difference	#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	#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!	
STDEV	#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!	



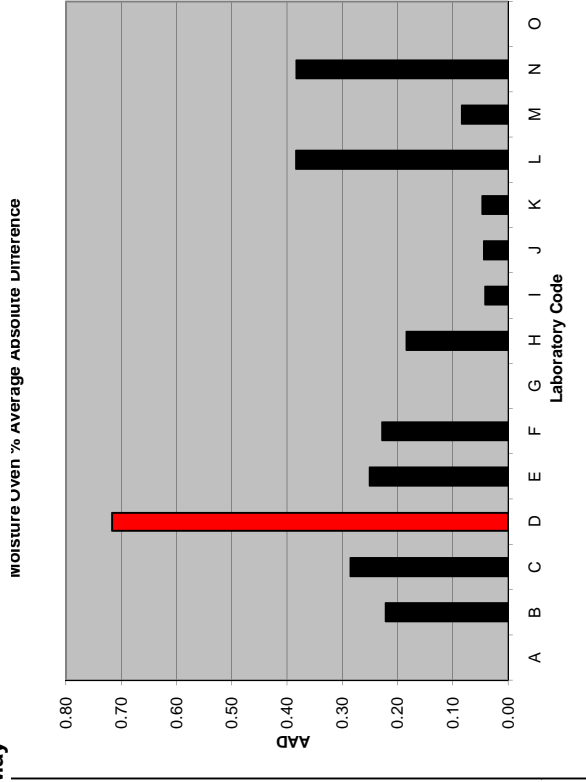
Oil SFE % Deviation from the Mean Result



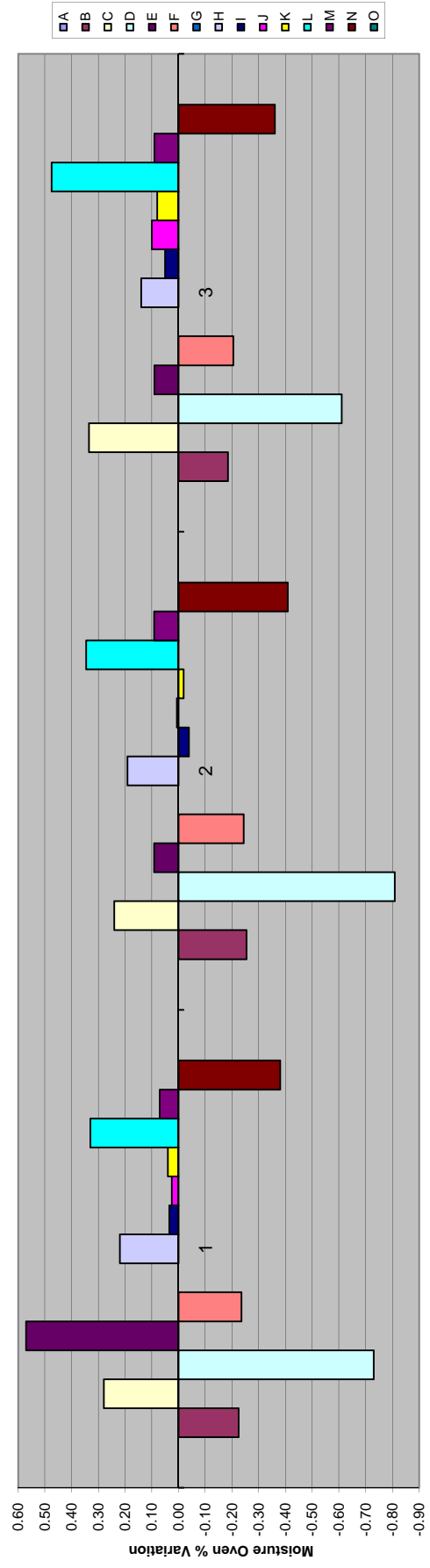
Moisture Oven % Deviation from the Mean

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Lab	Sample 1		Sample 2		Sample 3		Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean	
A	6.31	-0.23	6.06	-0.25	6.03	-0.19	0.22
B	6.81	0.28	6.55	0.24	6.55	0.34	0.29
C	5.80	-0.73	5.50	-0.81	5.60	-0.61	0.72
D	7.10	0.57	6.40	0.09	6.30	0.09	0.25
E	6.30	-0.24	6.07	-0.24	6.01	-0.21	0.23
F							
G							
H	6.75	0.22	6.50	0.19	6.35	0.14	0.18
I	6.57	0.03	6.27	-0.04	6.26	0.05	0.04
J	6.56	0.02	6.32	0.01	6.31	0.10	0.04
K	6.57	0.04	6.29	-0.02	6.29	0.08	0.05
L	6.86	0.33	6.66	0.35	6.69	0.48	0.38
M	6.60	0.07	6.40	0.09	6.30	0.09	0.08
N	6.15	-0.38	5.90	-0.41	5.85	-0.36	0.38
O							
MEAN	6.53		6.31		6.21		0.24
STDEV	0.35		0.23		0.30		



Moisture Oven % Deviation from the Mean Result

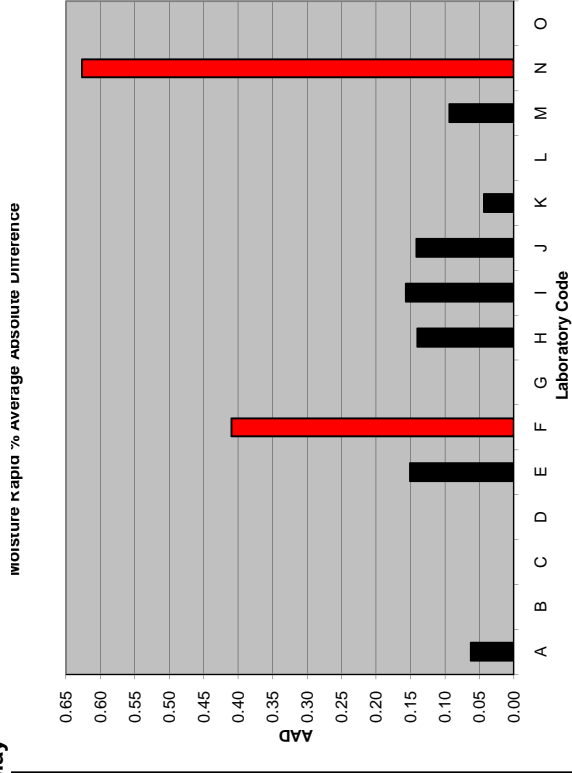


Moisture Rapid % Deviation from the Mean

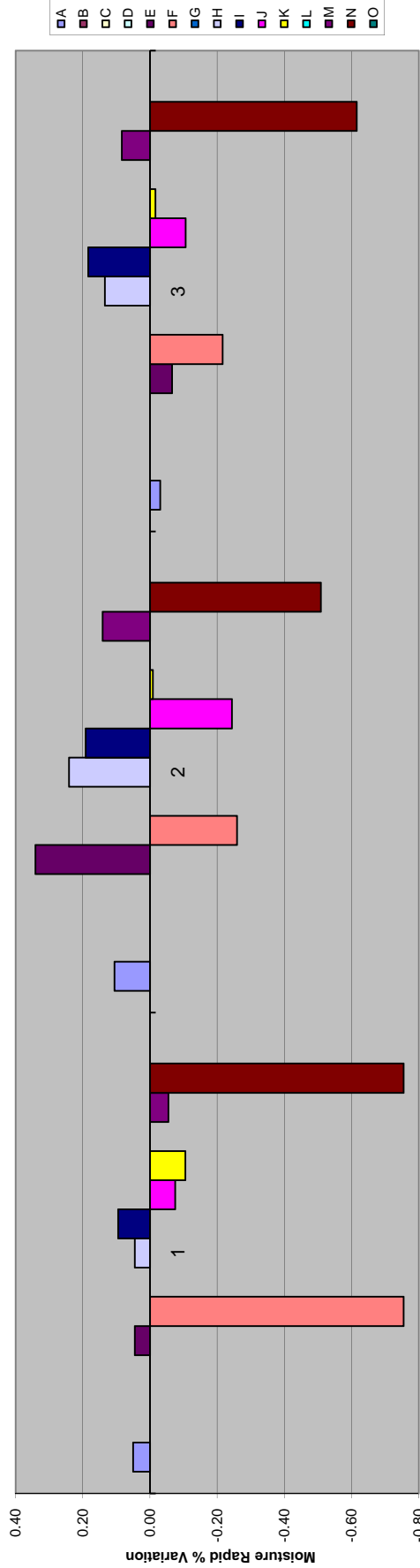
Moisture Rapid % Average Absolute Difference

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Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	6.86	0.05	6.37	0.11	6.34	-0.03	0.04	0.06
B								
C								
D								
E	6.85	0.04	6.60	0.34	6.30	-0.07	0.11	0.15
F	6.05	-0.76	6.00	-0.26	6.15	-0.22	-0.41	0.41
G								
H	6.85	0.04	6.50	0.24	6.50	0.13	0.14	0.14
I	6.90	0.09	6.45	0.19	6.55	0.18	0.16	0.16
J	6.73	-0.08	6.02	-0.24	6.26	-0.11	-0.14	0.14
K	6.70	-0.11	6.25	-0.01	6.35	-0.02	-0.04	0.04
L								
M	6.75	-0.06	6.40	0.14	6.45	0.08	0.06	0.09
N	6.05	-0.76	5.75	-0.51	5.75	-0.62	-0.63	0.63
O								
MEAN	6.81		6.26		6.37			0.20
STDEV	0.08		0.28		0.14			



Moisture Rapid % Deviation from the Mean Result

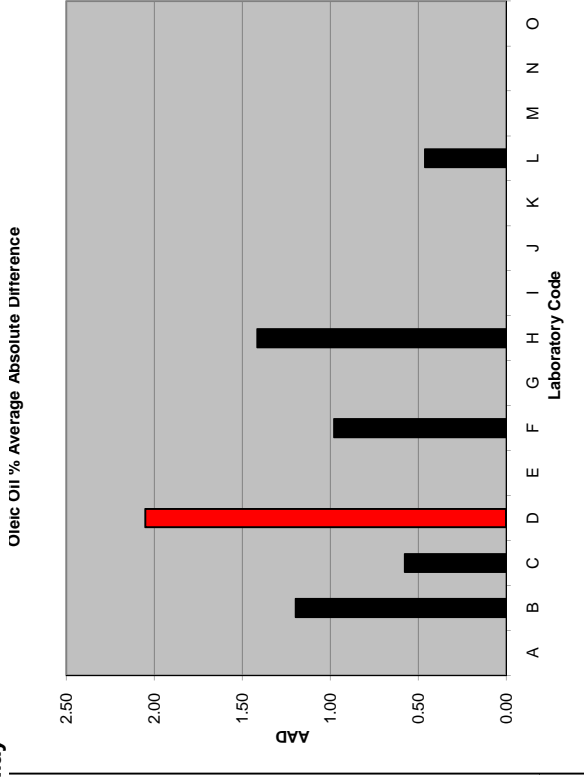


Oleic % Oil Deviation from the Mean

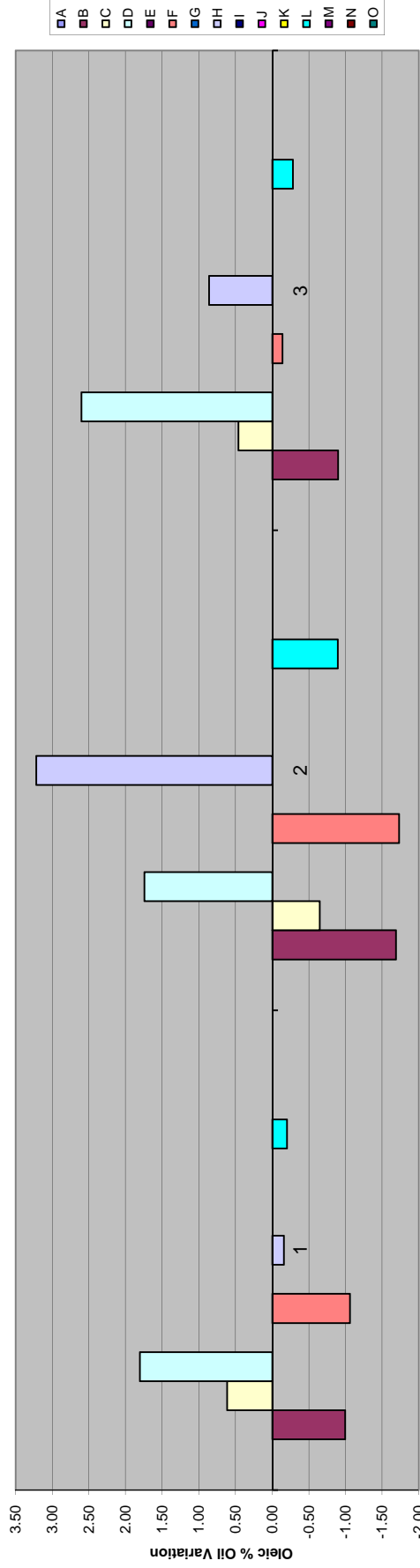
Sample Number

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Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	61.42	-1.00	59.69	-1.69	58.64	-0.90	-1.19	1.19
B	63.03	0.61	60.73	-0.65	60.00	0.46	0.14	0.58
C	64.22	1.80	63.13	1.75	62.14	2.60	2.05	2.05
D								
E	61.35	-1.06	59.65	-1.73	59.40	-0.14	-0.98	0.98
F								
G	62.25	-0.16	64.60	3.22	60.40	0.86	1.31	1.41
H								
I								
J								
K								
L	62.21	-0.20	60.49	-0.90	59.26	-0.28	-0.46	0.46
M								
N								
O								
MEAN	62.41		61.38		59.54			1.11
STDEV	1.08		2.02		0.68			



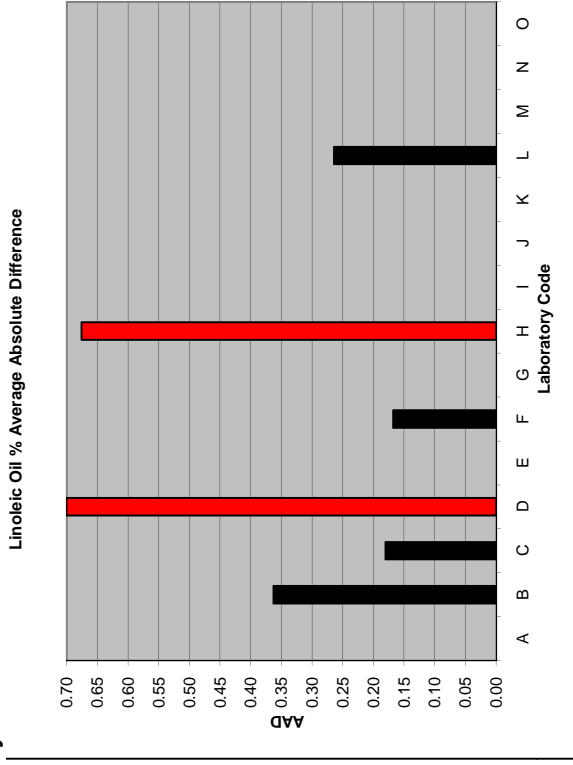
Oleic % Oil Deviation from the Mean Result



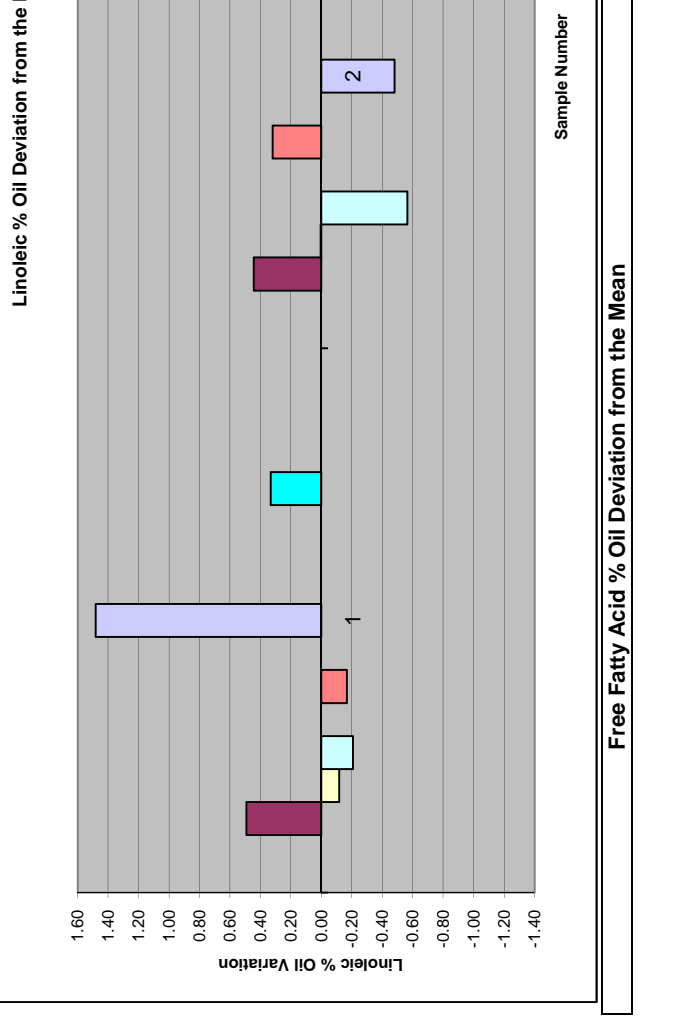
Linoleic % Oil Deviation from the Mean

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Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	19.71	0.49	20.63	0.45	21.09	0.15	0.36	0.36
B	19.10	-0.12	20.19	0.01	20.52	-0.42	-0.18	0.18
C	19.01	-0.21	19.62	-0.57	19.61	-1.33	-0.70	0.70
D	19.05	-0.17	20.50	0.32	20.95	0.02	0.06	0.17
E	20.70	1.48	19.70	-0.48	21.00	0.07	0.36	0.68
F								
G								
H								
I								
J								
K								
L	19.55	0.33	20.46	0.27	21.12	0.19	0.26	0.26
M								
N								
O								
MEAN	19.22		20.18		20.93			0.39
STDEV	0.33		0.43		0.24			



Free Fatty Acid % Oil Deviation from the Mean



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Lab	Sample 1		Sample 2		Sample 3		Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean	
A	0.16	-0.09	0.22	-0.08	0.36	-0.08	0.16
B	0.27	0.02	0.31	0.01	0.63	0.18	0.34
C	0.28	0.03	0.28	-0.02	0.49	0.05	0.26
D	0.49	0.24	0.83	0.52	1.06	0.62	0.79
E	0.29	0.04	0.45	0.14	0.61	0.16	0.37
F							
G							
H	0.21	-0.04	0.21	-0.09	0.24	-0.20	0.12
I							
J							
K	0.14	-0.12	0.29	-0.02	0.33	-0.11	0.18
L	0.44	0.18	0.38	0.08	0.45	0.01	0.31
M							
N							
O							
MEAN	0.25		0.30		0.44		0.32
STDEV	0.10		0.08		0.14		

