



08/09 AOF Test Check Program Monthly Report  
Round 7  
June 2009

02/06/2009 – 30/06/2009

## Result Receiving Dates

Lab Code	Date
A	04-Jun-09
E	10-Jun-09
K	10-Jun-09
J	11-Jun-09
M	12-Jun-09
C	16-Jun-09
G	16-Jun-09
I	22-Jun-09
B	25-Jun-09
O	25-Jun-09
N	29-Jun-09
D	30-Jun-09
F	30-Jun-09
H	30-Jun-09
L	Not received

## Discussion of Results

### ***Test Weight***

Labs A and F produced the highest absolute average differences of 1.16 and 1.11. No labs submitted outliers for Test Weight this round.

### ***Impurities***

Lab K produced an outlier for sample 1 with a mean difference of 2.08. Labs B and K produced the highest absolute average differences of 0.96 and 0.94.

### ***Oil Rapid***

Labs D and H submitted results lower than the mean. Lab D generated an outlier for sample 2 with average absolute difference of 1.23. Lab H generated an outlier for sample 3 with average absolute difference of 1.16. The result produced by lab O for sample 2 was significantly higher than the mean with a mean difference of 1.49.

### ***Oil Solvent***

No outliers were produced by the participating laboratories for this method. Lab I generated the highest average absolute difference of 1.38.



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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***

Lab D submitted results lower than the mean and generated an outlier for sample 2 and 3 with average absolute difference of 1.21. The results produced by lab E for sample 1 and 3 were significantly higher than the mean, recording the absolute average difference of 0.46. Lab N submitted low results, recording an outlier for sample 3 and absolute average difference of 0.45.

***Moisture Rapid***

The results produced by lab N were significantly lower than the mean with outliers for sample 1 and 2, recording the highest absolute average difference of 0.42. Labs E, F and A produced outliers for sample 1. Both, lab A and F generated the average absolute difference of 0.21. Lab E generated the average absolute difference of 0.30.

***Oleic Oil***

Lab D produced the highest absolute average differences of 1.74. No outliers were produced by the participating laboratories for this method.

***Linoleic Oil***

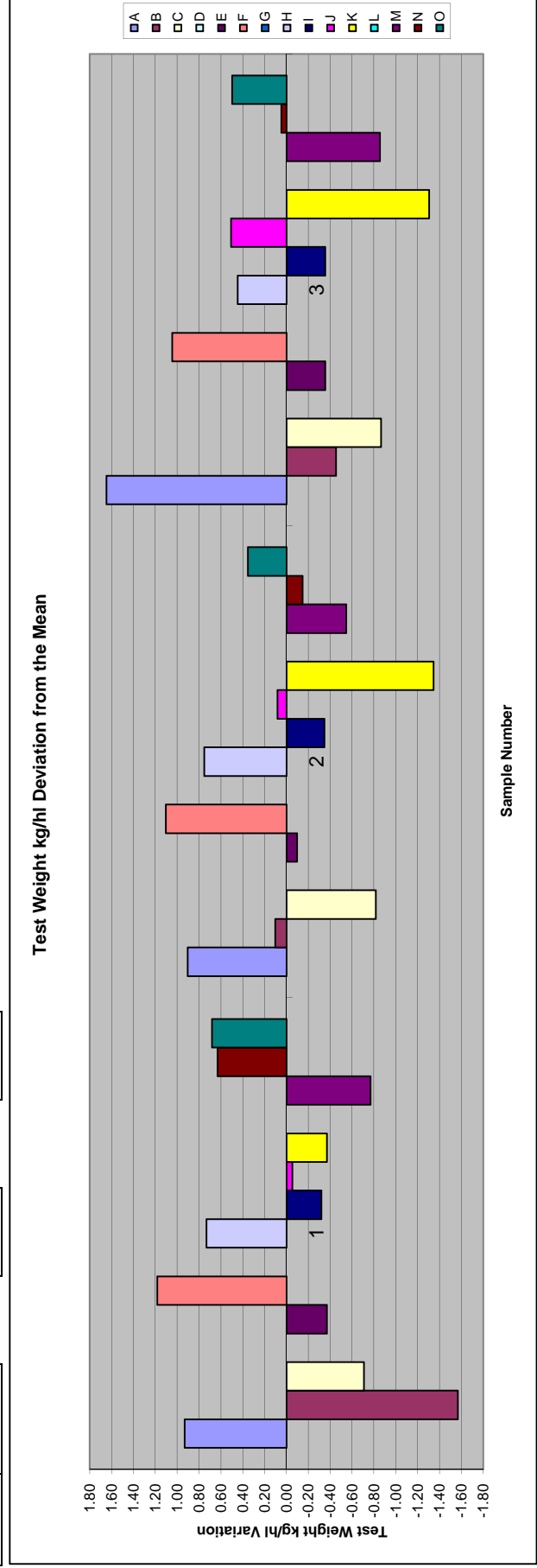
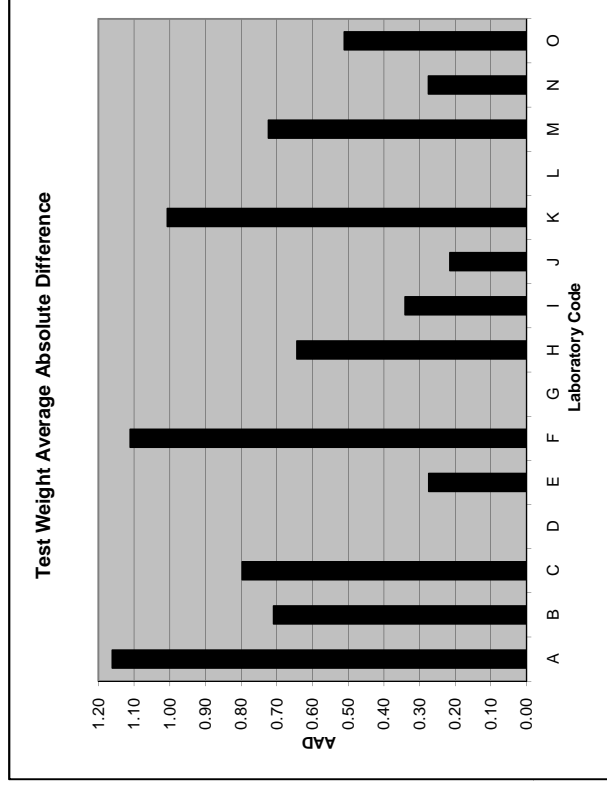
No outliers were produced by the participating laboratories for this method.

***Free Fatty Acid***

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

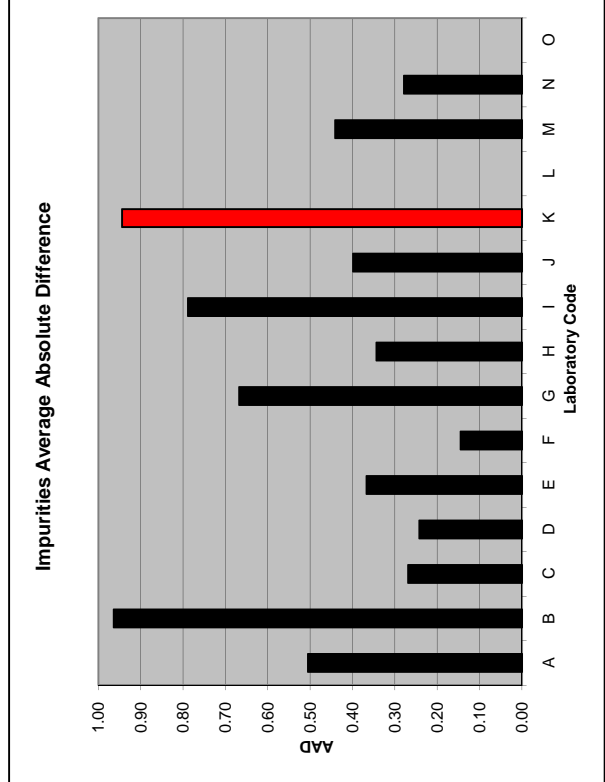
**2008/2009 AOF Test Check Program  
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Test Weight kg/hl									
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference	Laboratory Code
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean			
A	71.50	0.93	69.80	0.90	71.10	1.65	1.16	1.16	A
B	69.00	-1.57	69.00	0.10	69.00	-0.45	-0.64	0.71	B
C	69.86	-0.71	68.08	-0.82	68.59	-0.86	-0.80	0.80	C
D									D
E	70.20	-0.37	68.80	-0.10	69.10	-0.35	-0.27	0.27	E
F	71.75	1.18	70.00	1.10	70.50	1.05	1.11	1.11	F
G									G
H	71.30	0.73	69.65	0.75	69.90	0.45	0.64	0.64	H
I	70.25	-0.32	68.55	-0.35	69.10	-0.35	-0.34	0.34	I
J	70.52	-0.05	68.98	0.08	69.96	0.51	0.18	0.21	J
K	70.20	-0.37	67.55	-1.35	68.15	-1.30	-1.01	1.01	K
L									L
M	69.80	-0.77	68.35	-0.55	68.60	-0.85	-0.72	0.72	M
N	71.20	0.63	68.75	-0.15	69.50	0.05	0.18	0.27	N
O	71.25	0.68	69.25	0.35	69.95	0.50	0.51	0.51	O
<b>MEAN</b>	<b>70.57</b>		<b>68.90</b>		<b>69.45</b>			<b>0.65</b>	
<b>STDEV</b>	<b>0.83</b>		<b>0.72</b>		<b>0.86</b>				

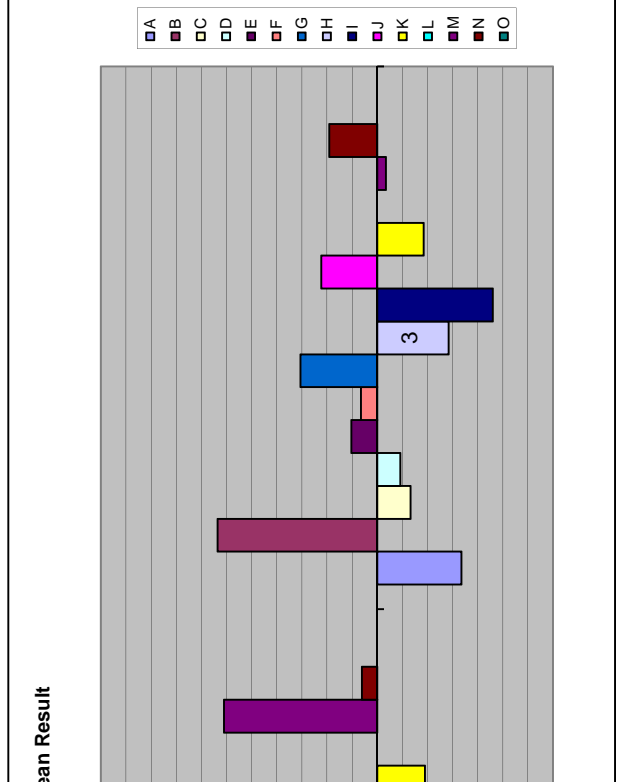


**2008/2009 AOF Test Check Program  
Round 7 Summary - June**

Impurities %											
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference			
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean			A	B	C
A	1.45	-0.62	1.85	-0.23	1.00	-0.67	-0.51	0.51			
B	2.97	0.90	2.80	0.72	2.94	1.27	0.96	0.96			
C	1.80	-0.27	1.81	-0.27	1.41	-0.26	-0.19	0.27			
D	2.15	0.08	1.62	-0.46	1.49	-0.18	-0.19	0.24			
E	2.59	0.52	2.46	0.38	1.88	0.21	0.37	0.37			
F	2.20	0.13	2.25	0.17	1.80	0.13	0.14	0.14			
G	0.86	-1.21	1.90	-0.18	2.28	0.61	-0.26	0.67			
H	2.15	0.08	1.70	-0.38	1.10	-0.57	-0.29	0.34			
I	1.60	-0.47	1.10	-0.98	0.75	-0.92	-0.79	0.79			
J	2.54	0.47	2.36	0.28	2.12	0.45	0.40	0.40			
K	4.15	2.08	1.70	-0.38	1.30	-0.37	0.44	0.94			
L											
M	2.10	0.03	3.30	1.22	1.60	-0.07	0.39	0.44			
N	2.40	0.33	2.20	0.12	2.05	0.38	0.28	0.28			
O											
MEAN	2.07		2.08		1.67			0.49			
STDEV	0.57		0.57		0.60						

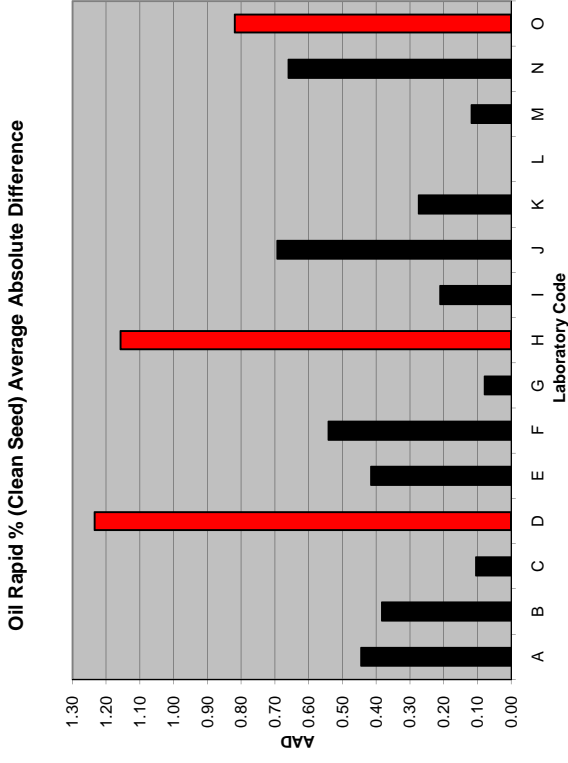


Impurities % (Clean Seed) Deviation from the Mean											
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference			
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean			A	B	C
A	1.45	-0.62	1.85	-0.23	1.00	-0.67	-0.51	0.51			
B	2.97	0.90	2.80	0.72	2.94	1.27	0.96	0.96			
C	1.80	-0.27	1.81	-0.27	1.41	-0.26	-0.19	0.27			
D	2.15	0.08	1.62	-0.46	1.49	-0.18	-0.19	0.24			
E	2.59	0.52	2.46	0.38	1.88	0.21	0.37	0.37			
F	2.20	0.13	2.25	0.17	1.80	0.13	0.14	0.14			
G	0.86	-1.21	1.90	-0.18	2.28	0.61	-0.26	0.67			
H	2.15	0.08	1.70	-0.38	1.10	-0.57	-0.29	0.34			
I	1.60	-0.47	1.10	-0.98	0.75	-0.92	-0.79	0.79			
J	2.54	0.47	2.36	0.28	2.12	0.45	0.40	0.40			
K	4.15	2.08	1.70	-0.38	1.30	-0.37	0.44	0.94			
L											
M	2.10	0.03	3.30	1.22	1.60	-0.07	0.39	0.44			
N	2.40	0.33	2.20	0.12	2.05	0.38	0.28	0.28			
O											
MEAN	2.07		2.08		1.67			0.49			
STDEV	0.57		0.57		0.60						

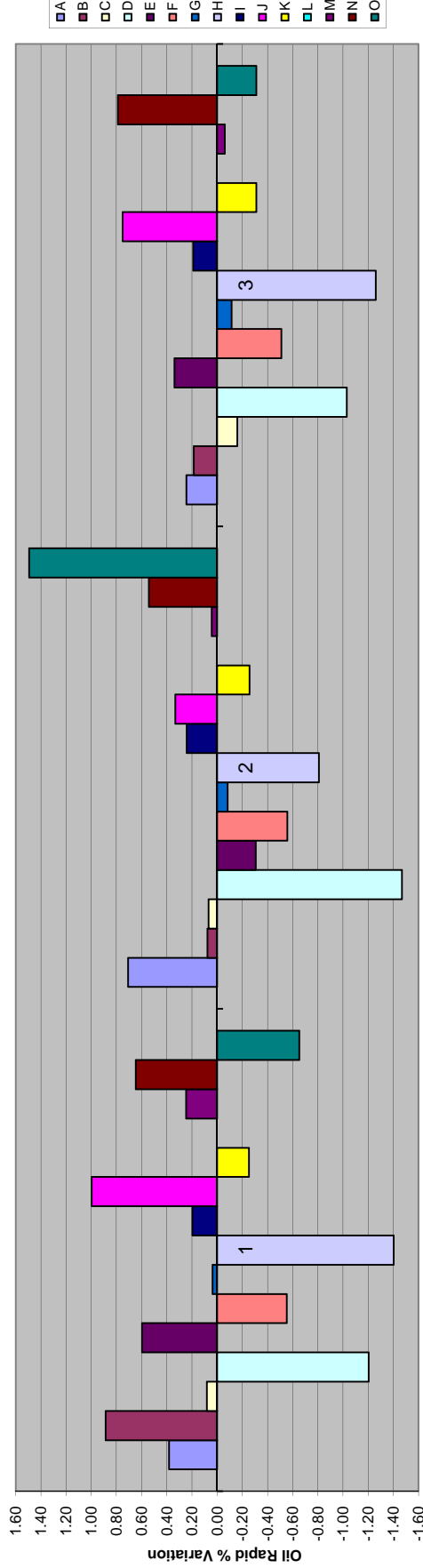


**2008/2009 AOF Test Check Program  
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Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	37.14	0.38	41.62	0.71	39.36	0.24	0.44	0.44
B	37.64	0.89	40.99	0.08	39.30	0.18	0.38	0.38
C	36.84	0.08	40.98	0.07	38.95	-0.16	0.00	0.10
D	35.55	-1.20	39.44	-1.47	38.08	-1.03	-1.23	1.23
E	37.35	0.60	40.60	-0.31	39.45	0.34	0.21	0.41
F	36.20	-0.55	40.35	-0.56	38.60	-0.51	-0.54	0.54
G	36.79	0.04	40.83	-0.08	39.00	-0.12	-0.05	0.08
H	35.35	-1.40	40.10	-0.81	37.85	-1.26	-1.16	1.16
I	36.95	0.20	41.15	0.24	39.30	0.19	0.21	0.21
J	37.75	1.00	41.24	0.33	39.86	0.75	0.69	0.69
K	36.50	-0.25	40.65	-0.26	38.80	-0.31	-0.27	0.27
L								
M	37.00	0.25	40.95	0.04	39.05	-0.06	0.08	0.12
N	37.40	0.65	41.45	0.54	39.90	0.79	0.66	0.66
O	36.10	-0.65	42.40	1.49	38.80	-0.31	0.18	0.82
MEAN	36.75		40.91		39.11			0.51
STDEV	0.73		0.44		0.50			



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



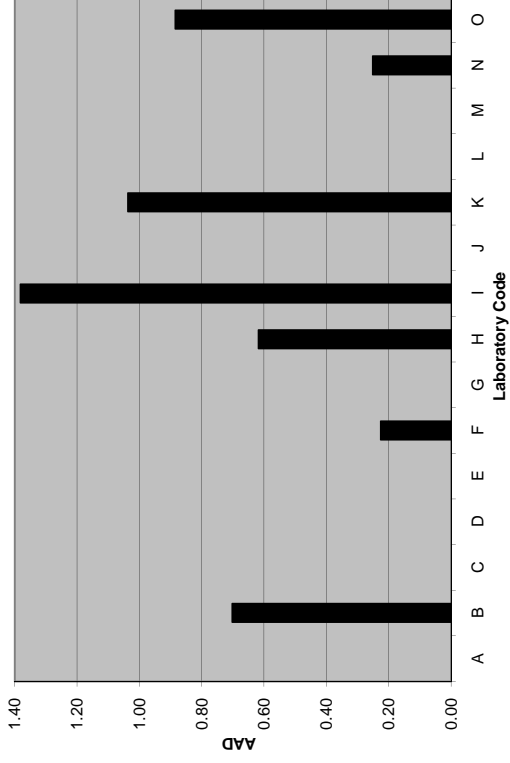
**Sample Number**

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

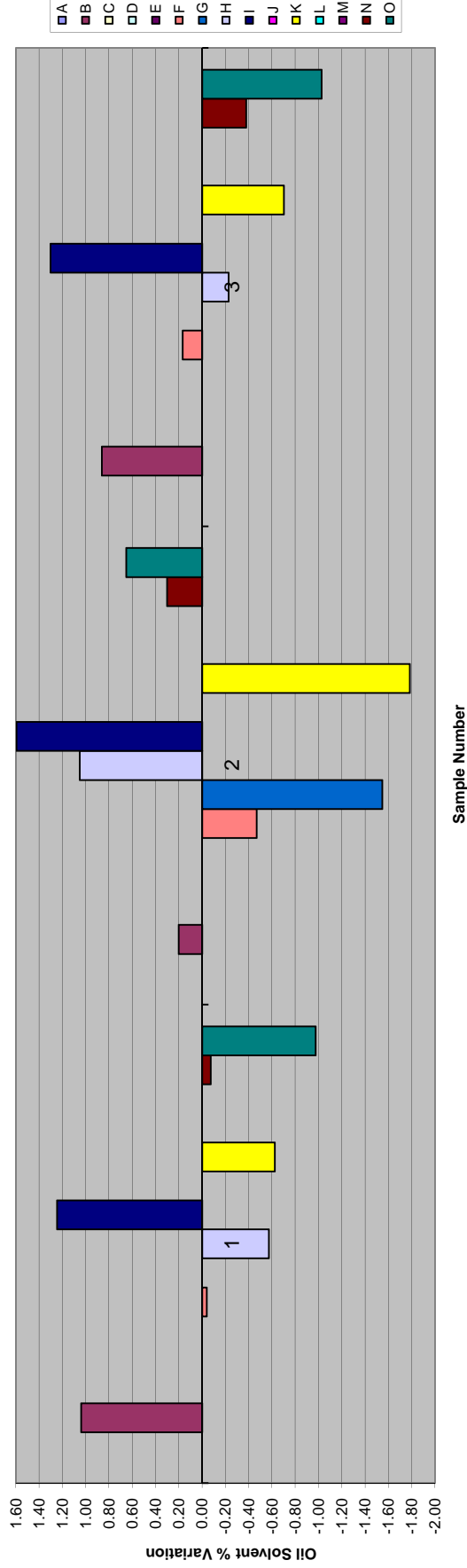
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Lab	Sample 1		Sample 2		Sample 3		Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean	
A	37.17	1.04	41.00	0.20	39.14	0.86	0.70
B							
C							
D							
E							
F	36.09	-0.04	40.33	-0.47	38.45	0.17	0.23
G			39.25	-1.55			
H	35.55	-0.57	41.85	1.05	38.05	-0.23	0.62
I	37.37	1.25	42.40	1.60	39.58	1.30	1.38
J							
K	35.50	-0.62	39.02	-1.78	37.58	-0.70	1.04
L							
M							
N	36.05	-0.07	41.10	0.30	37.90	-0.38	0.25
O	35.15	-0.97	41.45	0.65	37.25	-1.03	0.88
<b>MEAN</b>	<b>36.12</b>		<b>40.80</b>		<b>38.28</b>		<b>0.73</b>
<b>STDEV</b>	<b>0.85</b>		<b>1.20</b>		<b>0.84</b>		

Oil Solvent % (Clean Seed) Average Absolute Difference



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

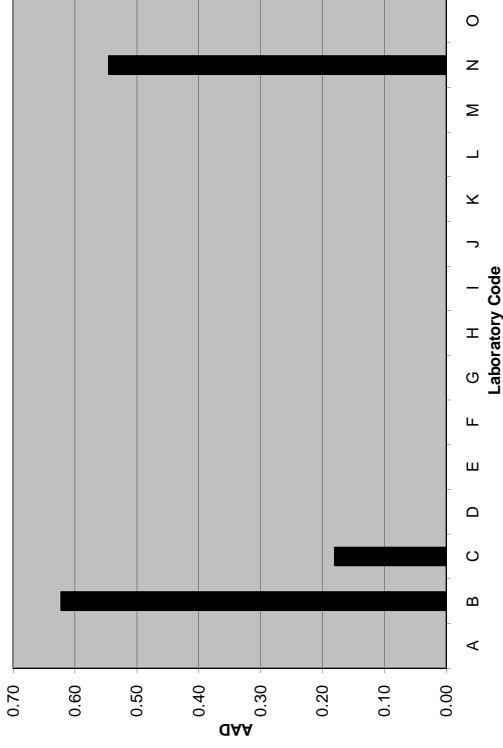


Oil Solvent Reference % (Clean Seed) Deviation from the Mean

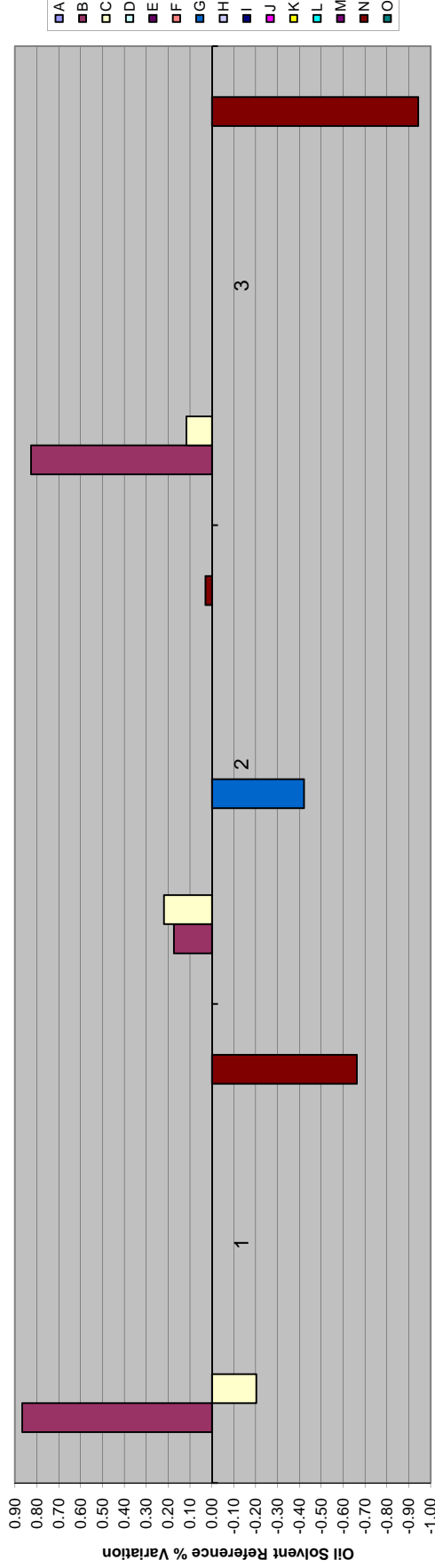
**2008/2009 AOF Test Check Program  
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Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	37.48	0.87	41.25	0.17	39.42	0.83	0.62	0.62
B	36.41	-0.20	41.29	0.22	38.71	0.12	0.04	0.18
C								
D								
E								
F								
G			40.65	-0.42				
H								
I								
J								
K								
L								
M								
N	35.95	-0.66	41.10	0.03	37.65	-0.94	-0.53	0.55
O								
<b>MEAN</b>	<b>36.61</b>		<b>41.07</b>		<b>38.59</b>			<b>0.45</b>
<b>STDEV</b>	<b>0.79</b>		<b>0.29</b>		<b>0.89</b>			

Oil Solvent Reference % (Clean Seed) Average Absolute Difference



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

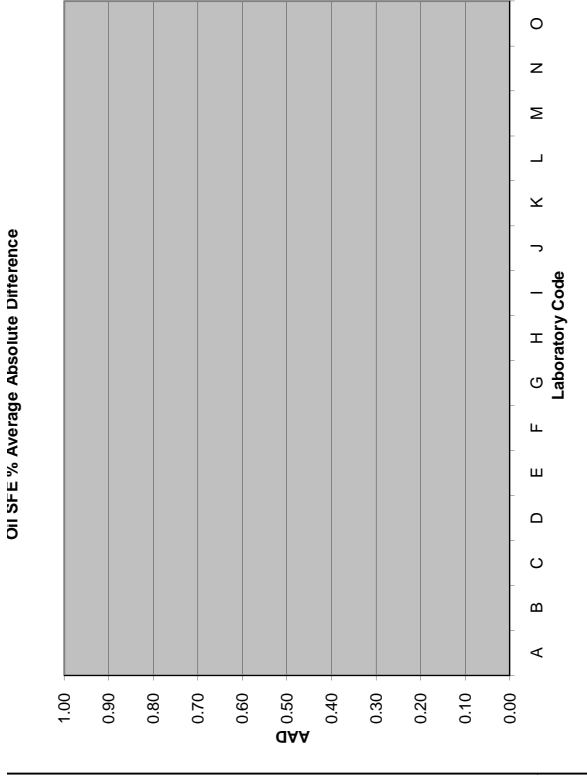


Sample Number

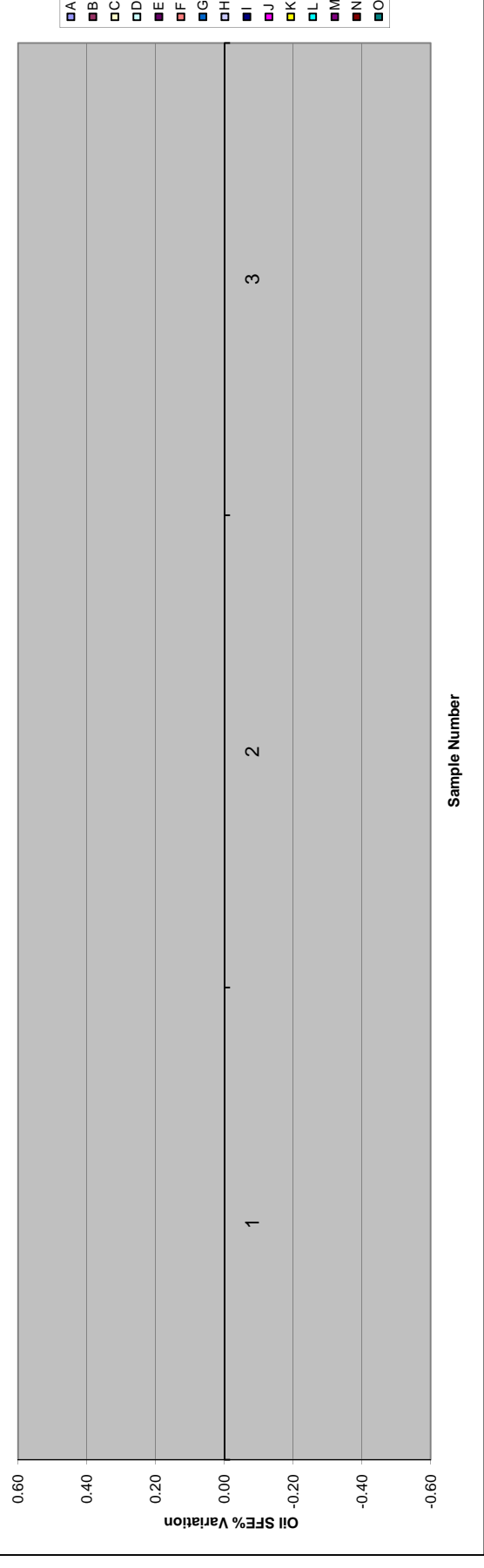
Oil SFE% Deviation from the Mean

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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								
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**

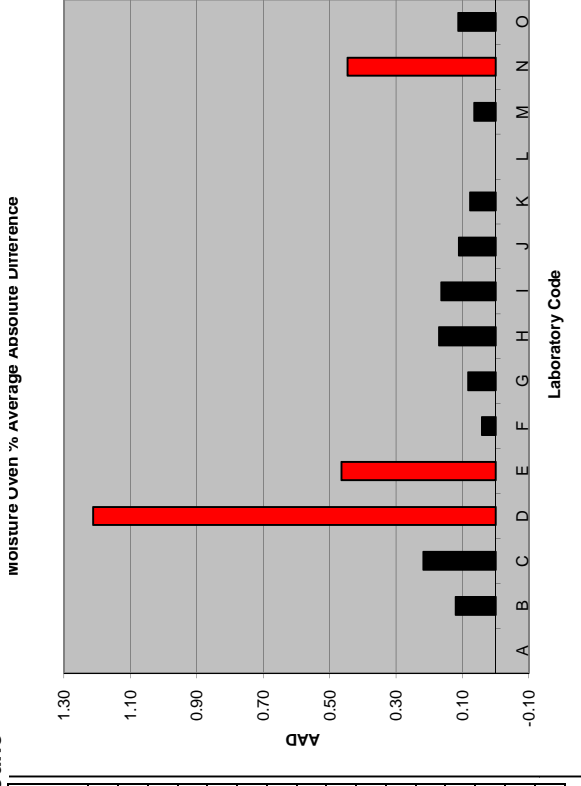


Lab	Sample 1	Sample 2	Sample 3	Average Absolute Difference	Deviation from the Mean Result	Sample Number
A						
B						
C						
D						
E						
F						
G						
H						
I						
J						
K						
L						
M						
N						
O						

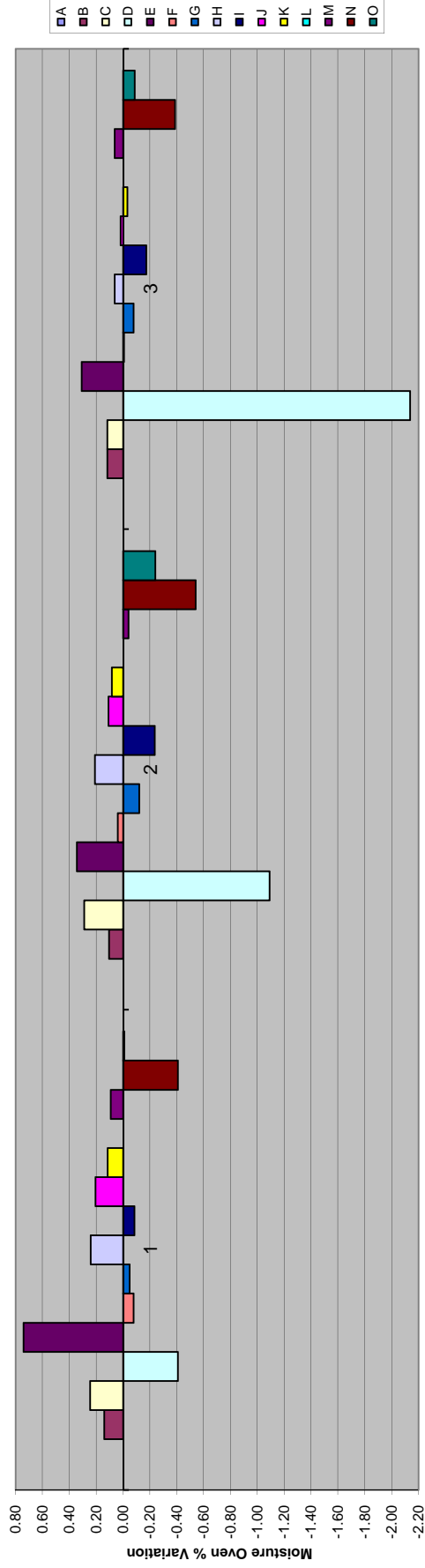


**2008/2009 AOF Test Check Program  
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Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	6.65	0.14	6.50	0.10	6.46	0.12	0.12	0.12
C	6.76	0.25	6.68	0.29	6.46	0.12	0.22	0.22
D	6.10	-0.41	5.30	-1.09	4.20	-2.14	-1.21	1.21
E	7.25	0.74	6.74	0.34	6.65	0.31	0.46	0.46
F	6.43	-0.08	6.43	0.04	6.33	-0.01	-0.02	0.04
G	6.46	-0.05	6.27	-0.12	6.26	-0.08	-0.08	0.08
H	6.75	0.24	6.60	0.21	6.40	0.06	0.17	0.17
I	6.43	-0.08	6.16	-0.24	6.17	-0.17	-0.16	0.16
J	6.72	0.21	6.50	0.11	6.36	0.02	0.11	0.11
K	6.63	0.12	6.48	0.08	6.31	-0.03	0.06	0.08
L								
M	6.60	0.09	6.35	-0.04	6.40	0.06	0.04	0.06
N	6.10	-0.41	5.85	-0.54	5.95	-0.39	-0.45	0.45
O	6.50	-0.01	6.15	-0.24	6.25	-0.09	-0.11	0.11
MEAN	6.51		6.39		6.34			0.25
STDEV	0.22		0.25		0.09			



**Moisture Oven % Deviation from the Mean Result**

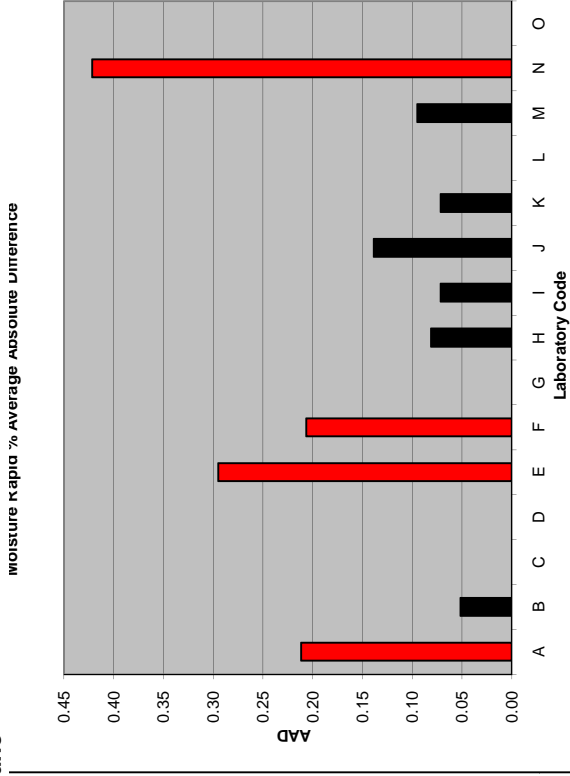


**Moisture Rapid % Deviation from the Mean**

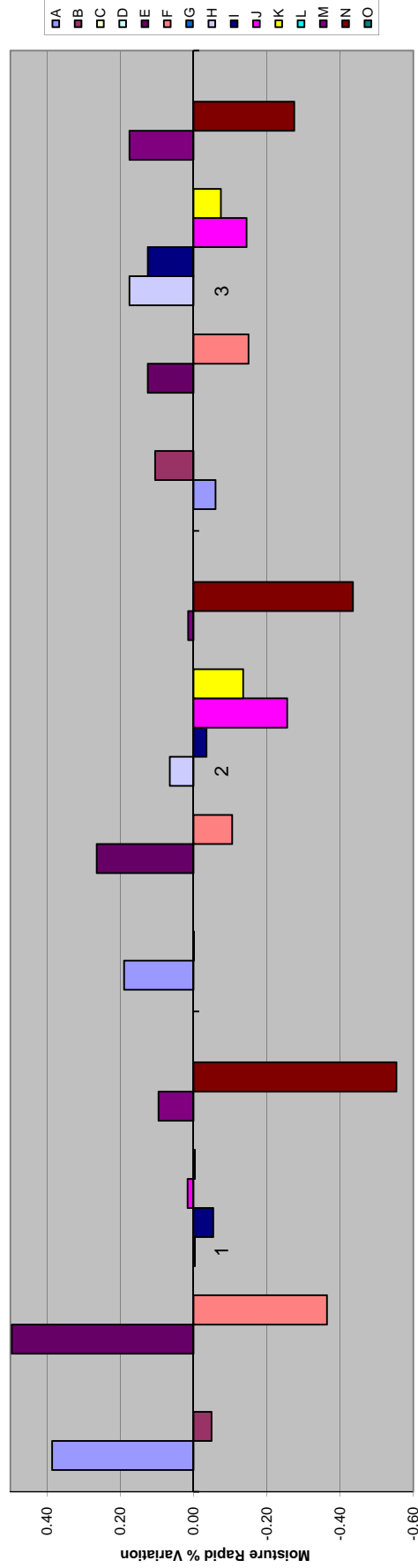
Moisture Rapid % Deviation from the Mean

**2008/2009 AOF Test Check Program  
Round 7 Summary - June**

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	0.39	6.63	0.19	6.27	-0.06	0.17	0.21
B	6.66	-0.05	6.44	0.00	6.43	0.11	0.02	0.05
C								
D								
E	7.20	0.50	6.70	0.26	6.45	0.13	0.30	0.30
F	6.34	-0.36	6.33	-0.11	6.18	-0.15	-0.21	0.21
G								
H	6.70	0.00	6.50	0.06	6.50	0.18	0.08	0.08
I	6.65	-0.05	6.40	-0.04	6.45	0.13	0.01	0.07
J	6.72	0.02	6.18	-0.26	6.18	-0.15	-0.13	0.14
K	6.70	0.00	6.30	-0.14	6.25	-0.08	-0.07	0.07
L								
M	6.80	0.10	6.45	0.01	6.50	0.18	0.10	0.10
N	6.15	-0.55	6.00	-0.44	6.05	-0.28	-0.42	0.42
O								
MEAN	6.70		6.44		6.33			0.16
STDEV	0.05		0.16		0.16			



**Moisture Rapid % Deviation from the Mean Result**

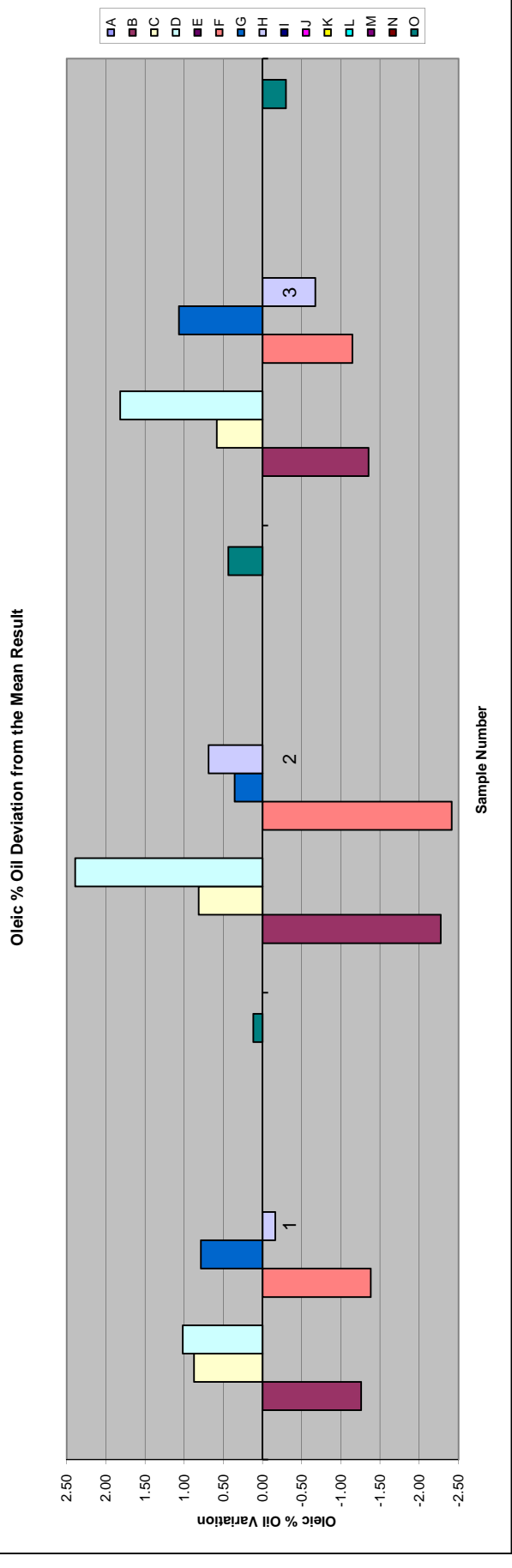
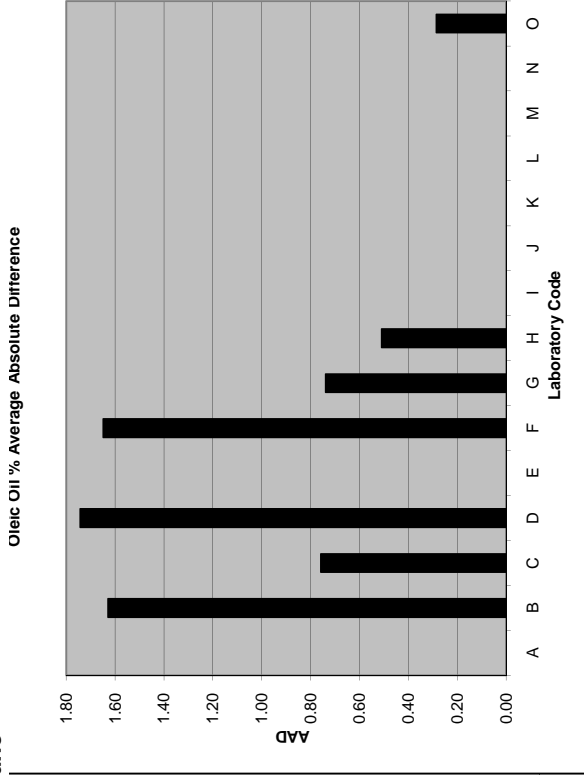


**Oleic % Oil Deviation from the Mean**

Sample Number

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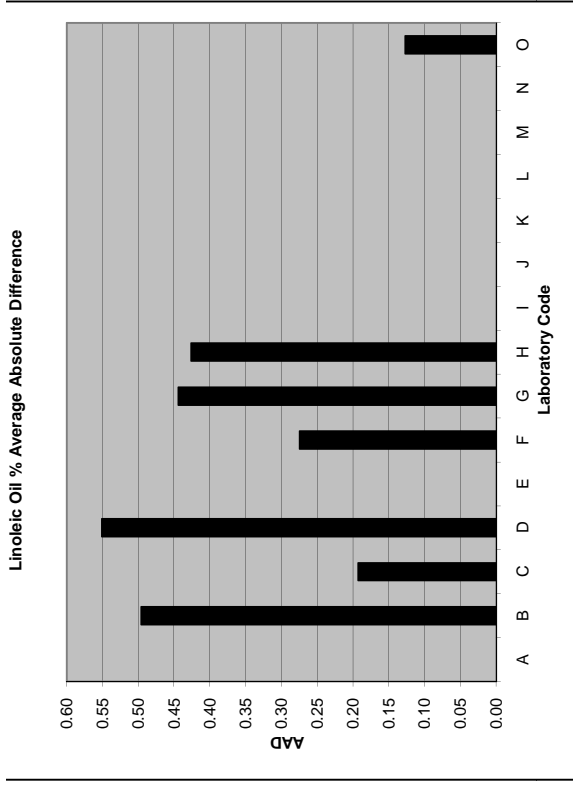
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	58.38	-1.26	55.84	-2.27	59.95	-1.35	-1.63	1.63
B	60.51	0.87	58.93	0.82	61.88	0.58	0.76	0.76
C	60.65	1.02	60.51	2.39	63.12	1.82	1.74	1.74
D								
E								
F	58.25	-1.38	55.70	-2.41	60.15	-1.15	-1.65	1.65
G	60.42	0.79	58.47	0.36	62.37	1.07	0.74	0.74
H	59.47	-0.16	58.81	0.69	60.63	-0.67	-0.05	0.51
I								
J								
K								
L								
M								
N								
O	59.75	0.12	58.55	0.44	61.00	-0.30	0.09	0.28
<b>MEAN</b>	<b>59.63</b>		<b>58.11</b>		<b>61.30</b>		<b>0.09</b>	<b>1.04</b>
<b>STDEV</b>	<b>1.00</b>		<b>1.74</b>		<b>1.19</b>			



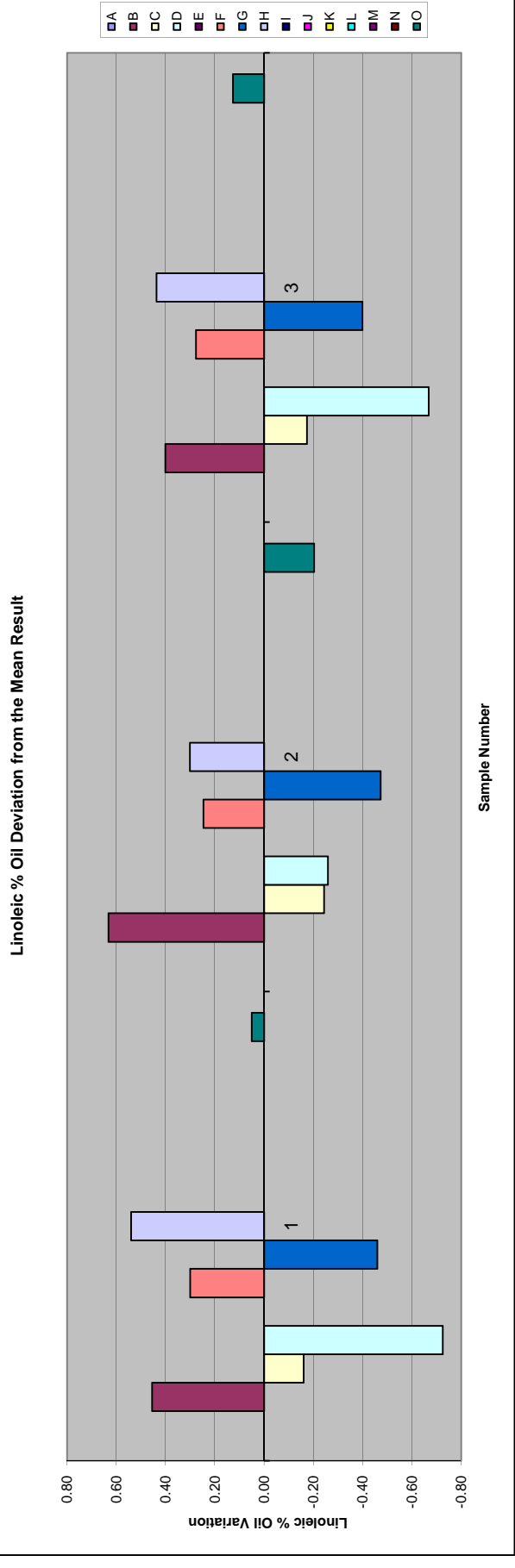
**Linoleic % Oil Deviation from the Mean**

**2008/2009 AOF Test Check Program  
Round 7 Summary - June**

Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	21.11	0.46	22.19	0.63	20.43	0.40	0.50	0.50
B	20.49	-0.16	21.31	-0.24	19.85	-0.17	0.19	0.19
C	19.93	-0.72	21.30	-0.26	19.36	-0.67	0.55	0.55
D	20.95	0.30	21.80	0.25	20.30	0.28	0.27	0.27
E	20.19	-0.46	21.08	-0.47	19.63	-0.40	0.44	0.44
F	21.19	0.54	21.86	0.30	20.46	0.44	0.43	0.43
G								
H								
I								
J								
K								
L								
M								
N								
O	20.70	0.05	21.35	-0.20	20.15	0.13	-0.01	0.13
<b>MEAN</b>	<b>20.65</b>		<b>21.55</b>		<b>20.02</b>			<b>0.36</b>
<b>STDEV</b>	<b>0.48</b>		<b>0.40</b>		<b>0.42</b>			

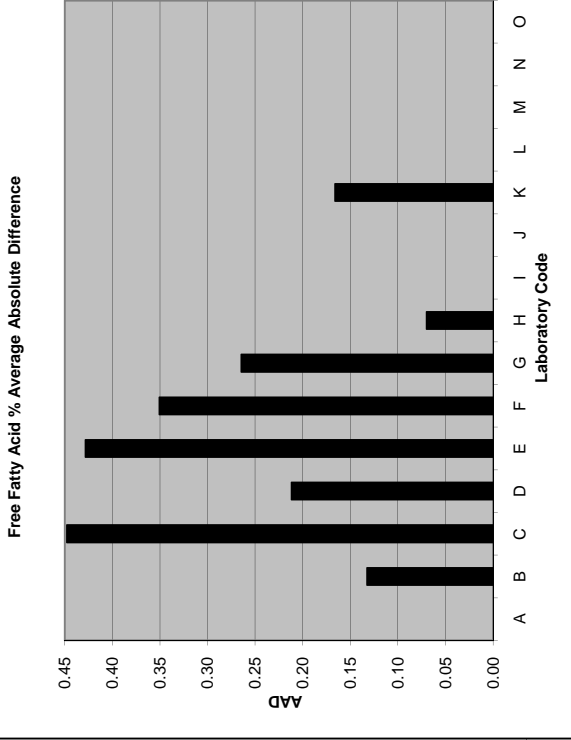


**Free Fatty Acid % Oil Deviation from the Mean**



**2008/2009 AOF Test Check Program  
Round 7 Summary - June**

Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	0.28	-0.13	0.19	-0.13	0.33	-0.14	-0.13	0.13
B	0.53	0.11	0.49	0.16	0.71	0.24	0.17	0.45
C	0.43	0.01	0.25	-0.07	0.42	-0.05	-0.04	0.21
D	0.55	0.14	0.48	0.16	0.67	0.20	0.16	0.43
E	0.41	-0.01	0.49	0.17	0.52	0.05	0.07	0.35
F	0.42	0.01	0.29	-0.03	0.50	0.03	0.00	0.26
G	0.27	-0.15	0.19	-0.14	0.24	-0.23	-0.17	0.07
H								
I								
J								
K	0.42	0.00	0.22	-0.11	0.36	-0.11	-0.07	0.17
L								
M								
N								
O								
<b>MEAN</b>	<b>0.41</b>		<b>0.32</b>		<b>0.47</b>			<b>0.26</b>
<b>STDEV</b>	<b>0.10</b>		<b>0.14</b>		<b>0.16</b>			



**Free Fatty Acid % Oil Deviation from the Mean Result**

