



## AOF Test Check Program Monthly Report

Round 5

March 2007

12/3/2007 – 9/4/2007

Result Reveal Dates

	<b>MARCH</b>
<b>Lab Code</b>	<b>Round 5</b>
<b>B</b>	05-Mar-07
<b>A</b>	09-Mar-07
<b>I</b>	12-Mar-07
<b>K</b>	15-Mar-07
<b>C</b>	16-Mar-07
<b>E</b>	19-Mar-07
<b>M</b>	22-Mar-07
<b>G</b>	27-Mar-07
<b>N</b>	27-Mar-07
<b>L</b>	28-Mar-07
<b>H</b>	02-Apr-07
<b>J</b>	03-Apr-07
<b>O</b>	05-Apr-07
<b>F</b>	10-Apr-07
<b>D</b>	NOT YET RECEIVED

\*Just a reminder all to get results in promptly

Discussion of Results**Test Weight**

Round 5 saw less variation between labs with a standard deviation of 0.65 compared to 0.80 in round 4. Labs F and N showed major improvement submitting 0.44 and -0.31 compared to 1.16 and 1.52 previously. Labs B, E and I also showed marked improvement to submit 0.27-0.48 closer to the mean. In contrast, labs H, J and M drifted significantly further from the mean recording differences of 0.63, 0.73 and -1.25 for this round.

**Impurities**

A greater variation between labs is seen this round resulting in higher standard deviation of 0.52 compared to 0.09 previously. However, although most labs drifted further from the mean, the majority still produced reasonable results with differences remaining under 0.50%. A considerable change is seen for lab A submitting a high result with a difference of 1.09 from the mean compared to 0.05 previously. It is also noted that labs G, I and L submitted results on the lower end of the scale with differences of -0.52, -0.52 and -0.59 respectively. After producing an outlier recording 1.94 in the previous round, lab N has shown improvement however still remains relatively far from the mean with a difference of 0.66.

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***Oil Rapid***

Labs F and I have shown considerable improvement to submit fairly accurate results of -0.20 and 0.40. Likewise, labs M and N have also improved however still remain relatively far from the mean with differences of -0.70 and 0.70. Lab G continues to produce results significantly lower than the mean submitting a difference of -1.57 for this round. Note that Oil Rapid results for lab G are approximately 1.80% lower than those submitted for both the Straight Oil Solvent and AOCS methods. Unfortunately labs E and H have drifted further from the mean to submit differences of 0.64 and -1.10. Labs A and O saw a considerable jump from the mean of around 0.60% to submit differences of 0.70 and 0.80. Lab B continues to submit high results with differences of over 1.00%. Well done to labs C and K who were able to maintain stable results between the rounds recording -0.20 and -0.40.

***Oil Solvent***

Lab F has once again produced an outlier after a further drop of 1.05% from the previous round to submit a mean difference of -3.20. Note that lab F has produced a outlier for Oil Solvent for the fourth time in a row. Lab N continues to submit high results and has also produced an outlier this round recording 1.03. A significant increase is seen for lab E submitting a mean difference of 0.51 compared to 0.14 previously. In contrast, lab B showed improvement of 0.45% to submit a mean difference of -0.10.

***Oil Solvent (AOCS Method Am 2-93)***

Round 5 saw a greater variation in results with three of the four participating labs producing differences further from the mean. Labs B, G and N drifted approximately 0.20% further from the mean to submit differences of 0.38, -0.47 and 0.30. Lab H generated the most accurate result for the AOCS method however a significant change from 0.23 in the previous round to -0.22 for the current round is observed.

***Oil SFE***

Only one result recording 36.85% oil from lab J was submitted for Oil SFE. A difference of 1.28 separates results for Oil SFE and Oil Rapid for the lab.

***Moisture Oven***

Lab N unfortunately drifted further from the mean in round 5 to submit a difference of -0.57. Note that a difference of 0.50% separates Moisture Oven and Moisture Rapid results for lab N. In contrast, labs E, F and O improved to submit differences at least 0.18% closer to the mean. Well done to labs C and M who consistently generate accurate results close to the mean, submitting 0.01 and 0.03 respectively for this round.



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### ***Moisture Rapid***

Lab J improved this round to submit 0.17 compared to 0.36 previously. Labs B and K both drifted further from mean by 0.19% to submit low results with differences of -0.45 and -0.35. Although showing no significant change between rounds, lab M continues to submit the highest result with a difference of 0.45. Once again, the result obtained for Moisture Rapid is much higher than that obtained for Moisture Oven for lab M.

### ***Oleic Oil***

Unfortunately, labs L and O produced outliers this round recording -1.05 and 0.65. Coincidentally, they were also the only labs to record a drift from the mean. In contrast, labs B, C, G and H submitted considerably better results with differences within +/-0.15 from the mean.

### ***Linoleic Oil***

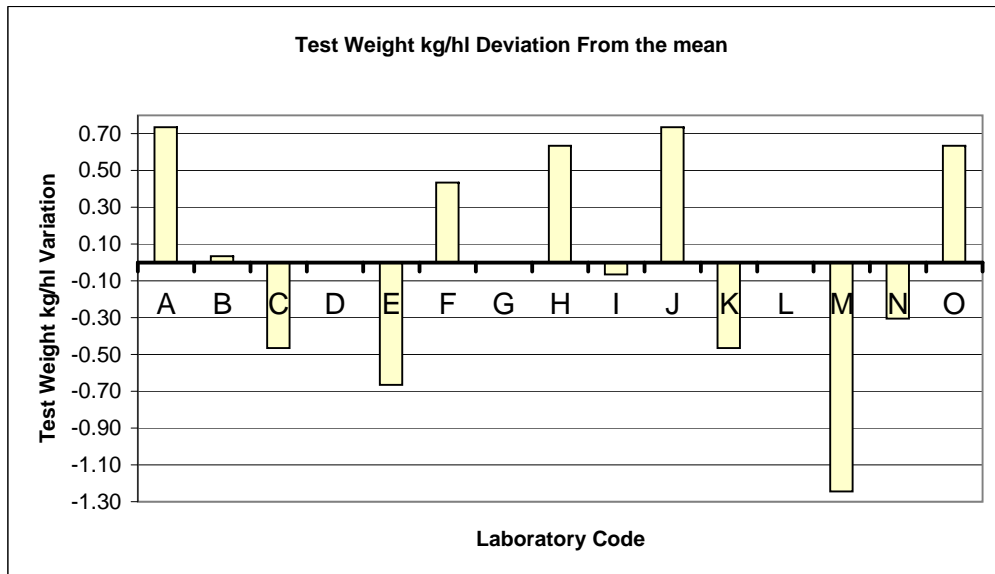
Lab G has once again produced a high outlier recording 0.72 and was excluded from the mean and standard deviation. After producing an outlier recording -0.84 in the previous round, lab H has improved considerably to submit a mean difference of -0.08. Similarly, labs B and H have also improved submitting differences of 0.02 and 0.12.

### ***Free Fatty Acid***

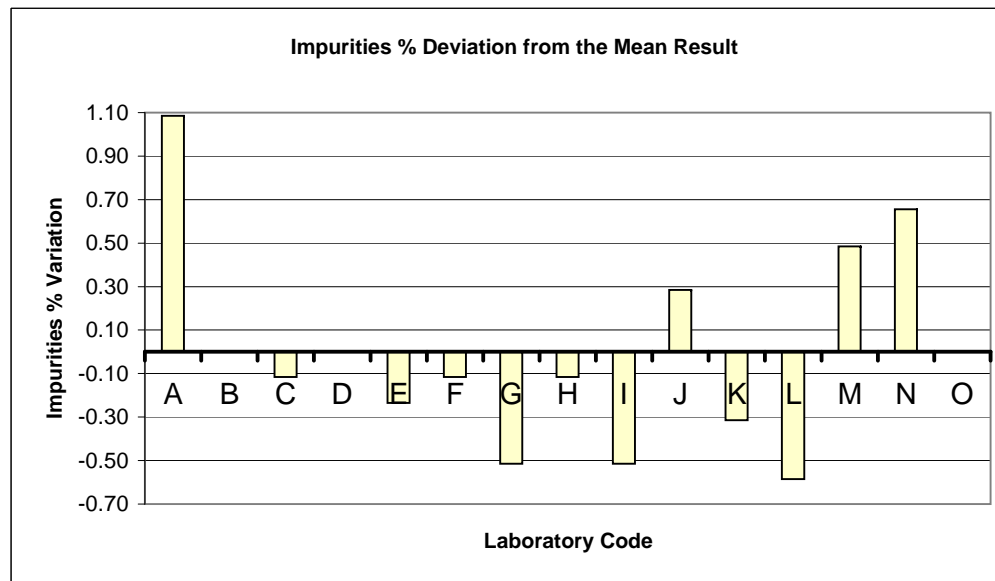
After producing an outlier of 0.48 in the previous round, lab G has improved considerably to submit 0.01. Lab K submitted a slightly low result with a difference of -0.27. The remaining labs submitted differences within +/-0.25 from the mean. Well done.

**AOF Test Check Program MARCH 2006/2007  
Sample Number 5 Summary**

Test Weight kg/hl		
Lab	Result	Mean
A	70.20	0.73
B	69.50	0.03
C	69.00	-0.47
D		
E	68.80	-0.67
F	69.90	0.44
G		
H	70.10	0.63
I	69.40	-0.06
J	70.20	0.73
K	69.00	-0.47
L		
M	68.22	-1.25
N	69.16	-0.31
O	70.10	0.63
<b>MEAN</b>	<b>69.47</b>	
<b>STDEV</b>	<b>0.65</b>	

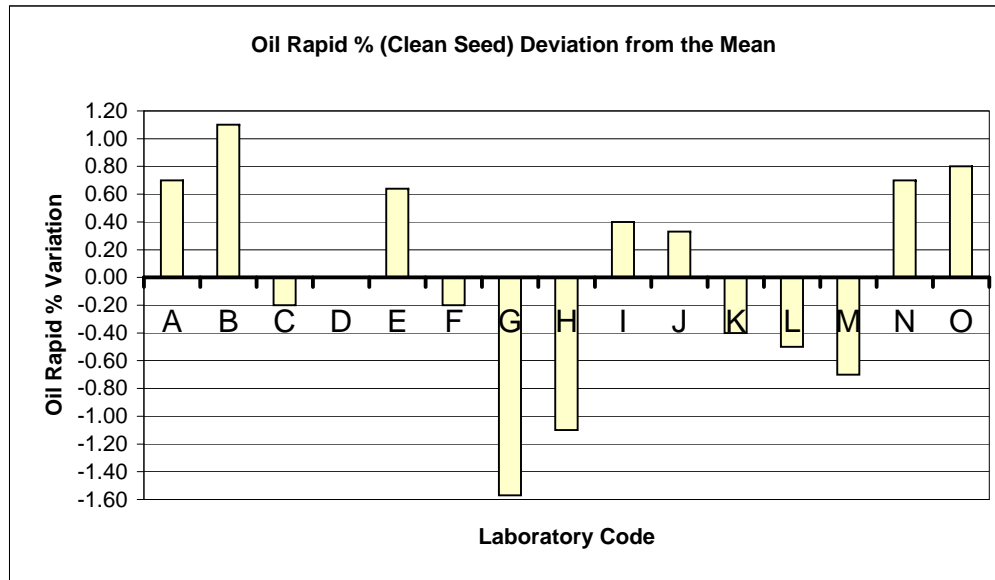


Impurities		
Lab	Result	Mean
A	2.30	1.09
B		
C	1.10	-0.12
D		
E	0.98	-0.24
F	1.10	-0.12
G	0.70	-0.52
H	1.10	-0.12
I	0.70	-0.52
J	1.50	0.29
K	0.90	-0.32
L	0.63	-0.59
M	1.70	0.49
N	1.87	0.66
O		
<b>MEAN</b>	<b>1.22</b>	
<b>STDEV</b>	<b>0.52</b>	

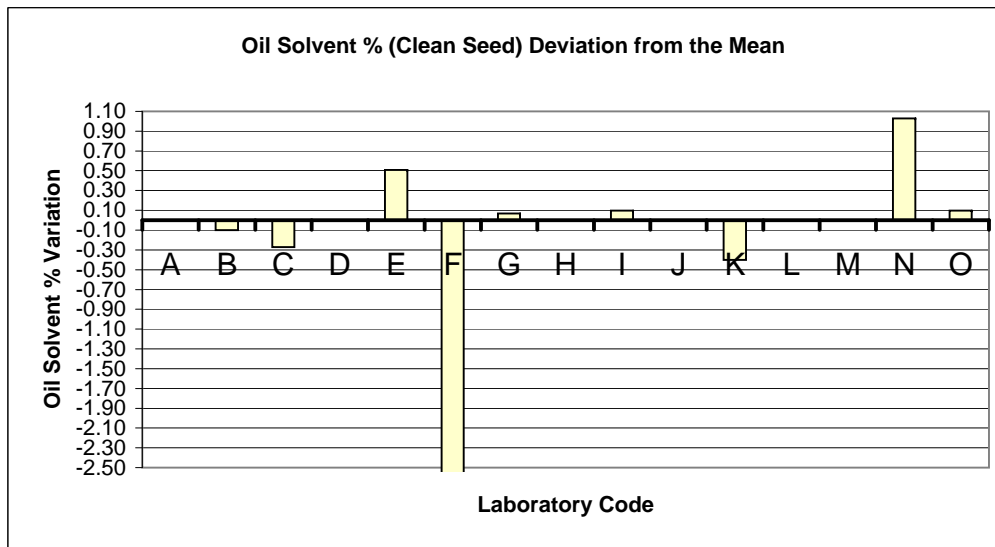


**AOF Test Check Program MARCH 2006/2007  
Sample Number 5 Summary**

Oil Rapid % (Clean Seed)		
Lab	Result	Mean
A	38.50	0.70
B	38.90	1.10
C	37.60	-0.20
D		
E	38.44	0.64
F	37.60	-0.20
G	36.23	-1.57
H	36.70	-1.10
I	38.20	0.40
J	38.13	0.33
K	37.40	-0.40
L	37.30	-0.50
M	37.10	-0.70
N	38.50	0.70
O	38.60	0.80
<b>MEAN</b>	<b>37.80</b>	
<b>STDEV</b>	<b>0.79</b>	

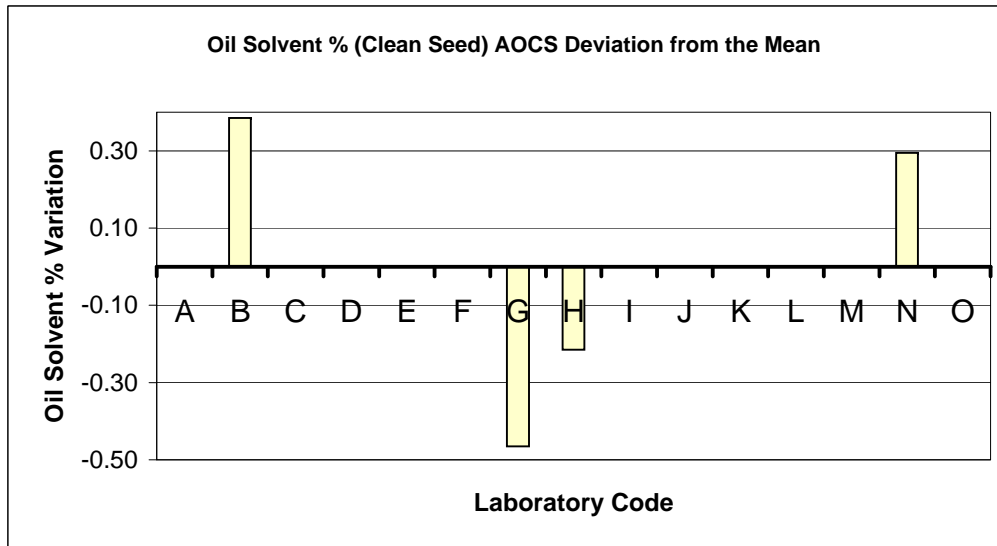


Oil Solvent % (Clean Seed)		
Lab	Result	Mean
A		
B	37.90	-0.10
C	37.73	-0.27
D		
E	38.51	0.51
F	34.8	-3.20
G	38.07	0.07
H		
I	38.1	0.10
J		
K	37.6	-0.40
L		
M		
N	39.03	1.03
O	38.10	0.10
<b>MEAN</b>	<b>38.00</b>	
<b>STDEV</b>	<b>0.30</b>	

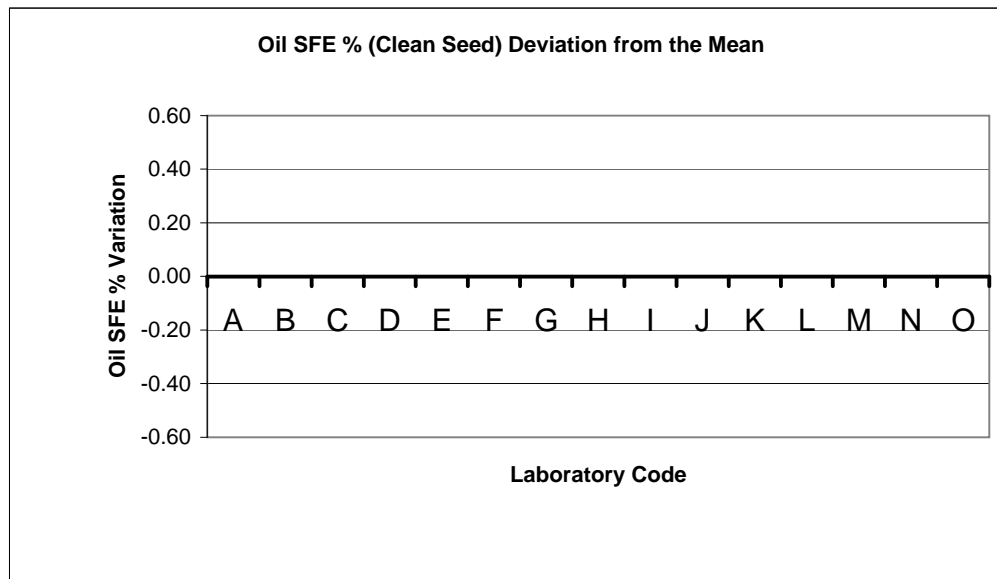


**AOF Test Check Program MARCH 2006/2007  
Sample Number 5 Summary**

Oil Solvent % (Clean Seed) AOCS		
Lab	Result	Mean
A		
B	38.9	0.38
C		
D		
E		
F		
G	38.05	-0.47
H	38.3	-0.22
I		
J		
K		
L		
M		
N	38.81	0.30
O		
<b>MEAN</b>	38.52	
<b>STDEV</b>	0.41	

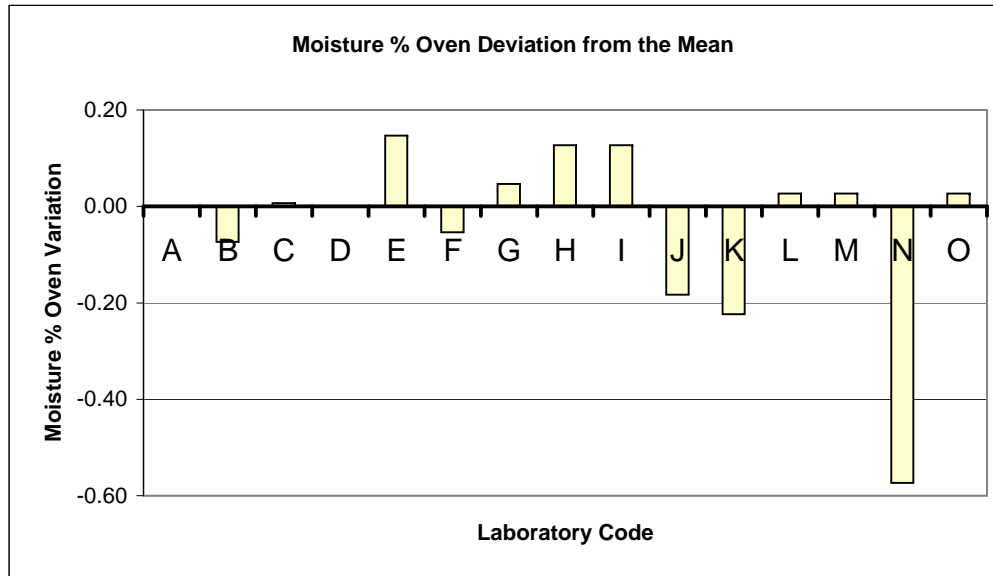


Oil % SFE (Clean Seed)		
Lab	Result	Mean
A		
B		
C		
D		
E		
F		
G		
H		
I		
J	36.85	0.00
K		
L		
M		
N		
O		
<b>MEAN</b>	36.85	
<b>STDEV</b>	#DIV/0!	

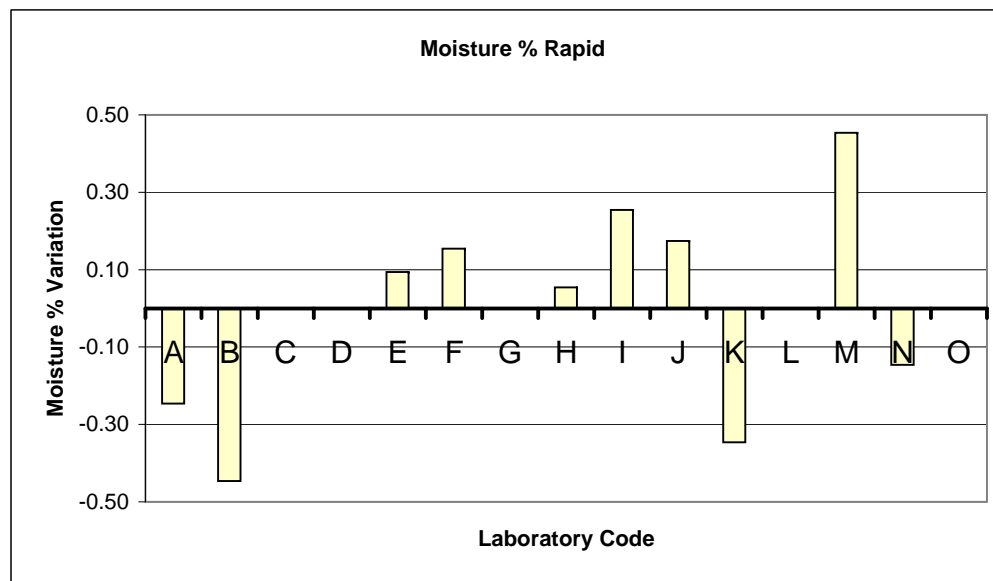


**AOF Test Check Program MARCH 2006/2007  
Sample Number 5 Summary**

Moisture % Oven		
Lab	Result	Mean
A		
B	6.40	-0.07
C	6.48	0.01
D		
E	6.62	0.15
F	6.42	-0.05
G	6.52	0.05
H	6.60	0.13
I	6.60	0.13
J	6.29	-0.18
K	6.25	-0.22
L	6.50	0.03
M	6.50	0.03
N	5.90	-0.57
O	6.50	0.03
<b>MEAN</b>	<b>6.47</b>	
<b>STDEV</b>	<b>0.12</b>	

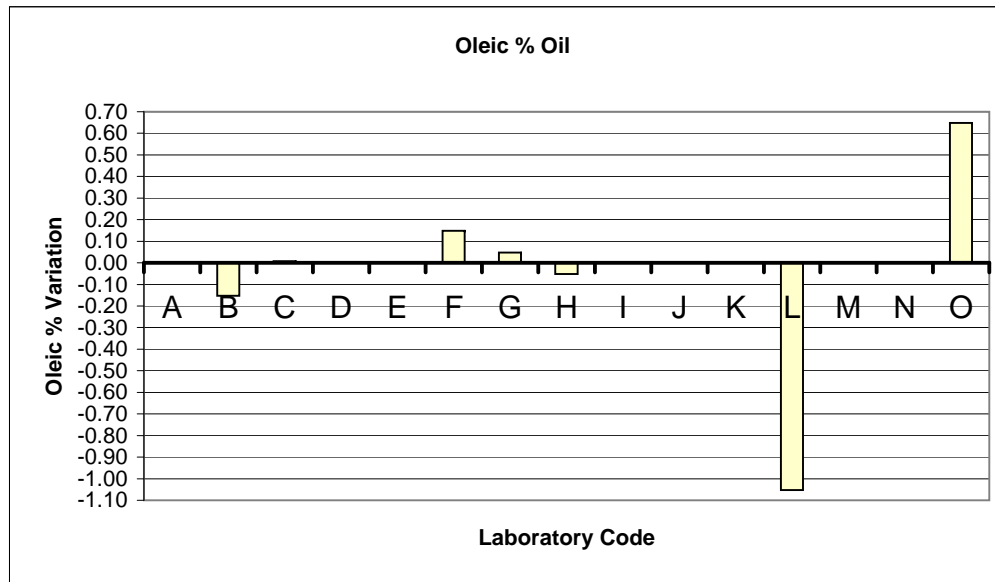


Moisture % Rapid		
Lab	Result	Mean
A	6.30	-0.25
B	6.10	-0.45
C		
D		
E	6.64	0.09
F	6.70	0.15
G		
H	6.60	0.05
I	6.80	0.25
J	6.72	0.17
K	6.20	-0.35
L		
M	7.00	0.45
N	6.40	-0.15
O		
<b>MEAN</b>	<b>6.55</b>	
<b>STDEV</b>	<b>0.29</b>	

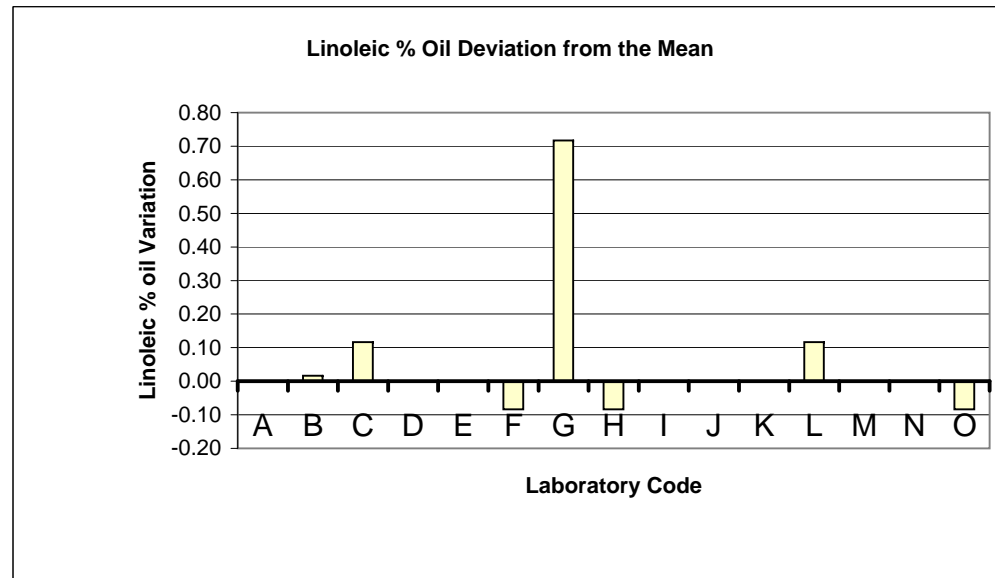


**AOF Test Check Program MARCH 2006/2007  
Sample Number 5 Summary**

Oleic % Oil		
Lab	Result	Mean
A		
B	58.30	-0.15
C	58.46	0.01
D		
E		
F	58.60	0.15
G	58.50	0.05
H	58.40	-0.05
I		
J		
K		
L	57.40	-1.05
M		
N		
O	59.10	0.65
<b>MEAN</b>	<b>58.45</b>	
<b>STDEV</b>	<b>0.11</b>	



Linoleic % oil		
Lab	Result	Mean
A		
B	21.40	0.02
C	21.50	0.12
D		
E		
F	21.30	-0.08
G	22.10	0.72
H	21.30	-0.08
I		
J		
K		
L	21.50	0.12
M		
N		
O	21.30	-0.08
<b>MEAN</b>	<b>21.38</b>	
<b>STDEV</b>	<b>0.10</b>	





**AOF Test Check Program MARCH 2006/2007  
Sample Number 5 Summary**

Free Fatty Acid % of Oil		
Lab	Result	Mean
<b>A</b>		
<b>B</b>	0.30	-0.17
<b>C</b>	0.47	0.00
<b>D</b>		
<b>E</b>	0.71	0.24
<b>F</b>	0.70	0.23
<b>G</b>	0.48	0.01
<b>H</b>	0.29	-0.18
<b>I</b>		
<b>J</b>		
<b>K</b>	0.20	-0.27
<b>L</b>	0.63	0.16
<b>M</b>		
<b>N</b>		
<b>O</b>		
<b>MEAN</b>	<b>0.47</b>	
<b>STDEV</b>	<b>0.20</b>	

