## 07/08 AOF Test Check Program Monthly Report

8/2/2008-7/3/2008

## Result Receival Dates

|  | FEBRUARY |
| :---: | :---: |
| Lab Code |  |
| $\mathbf{G}$ | $05-$ Feb-08 |
| $\mathbf{L}$ | $08-$ Feb-08 |
| $\mathbf{M}$ | 08 -Feb-08 |
| $\mathbf{E}$ | $22-\mathrm{Feb}-08$ |
| $\mathbf{K}$ | 22-Feb-08 |
| $\mathbf{I}$ | 04-Mar-08 |
| $\mathbf{H}$ | 06-Mar-08 |
| $\mathbf{O}$ | 06-Mar-08 |
| $\mathbf{B}$ | $07-\mathrm{Mar-08}$ |
| $\mathbf{F}$ | 07-Mar-08 |
| $\mathbf{J}$ | 07-Mar-08 |
| $\mathbf{N}$ | 07-Mar-08 |
| $\mathbf{A}$ | 11-Mar-08 |
| $\mathbf{C}$ | 12-Mar-08 |
| $\mathbf{D}$ | NOT YET RECEIVED |

*Just a reminder to get results in promptly

## Discussion of Results

## Test Weight

Lab E drifted significantly further from the mean to submit a mean difference of -1.02 compared to -0.62 in the previous round. Lab A submitted a fairly high result with a mean difference of 0.98 .

## Impurities

Labs C and G submitted the furthest from the mean with low results recording differences of -0.50 and -0.57 . All other labs remained within $+/-0.40$ from the mean.

## Oil Rapid

This round saw increased variation between labs to produce a standard deviation of 0.74 compared to 0.62 in the previous round. Labs A and H submitted the furthest from the mean with differences of 1.35 and -1.35 . Note that the result of $39.60 \%$ produced by lab H for Oil Rapid is also considerably lower than the results submitted for both their Oil Solvent methods. Lab B produced a significantly high result with a mean difference of 1.00.

# 07/08 AOF Test Check Program Monthly Report Round 3 <br> February 2008 

## Oil Solvent

Lab G once again produced an outlier for Oil Solvent recording a mean difference of -2.76. Note that the lab continually submits significantly low results for this method. The lab also shows inconsistency between Oil methods this round with differences of at least 1.00\% between their submitted oil results. Lab F also produced an outlier this round recording a difference of -2.65 compared to -0.29 in the previous round. Labs B and I submitted results fairly far from the mean of 0.82 and -0.99 . Labs $E$ and $L$ performed better this round to submit differences of -0.13 and 0.07 compared to 1.05 and -0.74 previously.

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

Lab G produced an outlier recording -1.99. The lab performed poorly for Oil overall with major outliers produced for both Oil Solvent methods.

## Oil SFE

Only lab J submitted results for Oil SFE this round.

## Moisture Oven

Lab G submitted significantly far from the mean with a difference of -0.43 . Lab $C$ produced the highest result recording a mean difference of 0.31 . All other results remained within $+/-$ 0.25 from the mean.

## Moisture Rapid

Results received this round were similar to that in the previous round. Labs A and H again produced the results furthest from the mean recording differences of -0.57 and 0.48 .

## Oleic Oil

Round 3 saw greater variation between labs producing a high standard deviation of 1.38 compared to 0.94 in round 2 . Lab G submitted considerably far from the mean to record a difference of 2.65.

## Linoleic Oil

Lab O submitted further from the mean with a difference of - 0.52 compared to -0.14 in the previous round. Lab B continues to submit higher than the mean producing a difference of 0.48 .

## Free Fatty Acid

As with the previous round, accurate results within $+/-0.20$ from the mean were received. Well done.

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| $\begin{aligned} & \text { Lab } \\ & \text { Code } \end{aligned}$ | TestWeight $\mathrm{kg} / \mathrm{hl}$ |  |  | $\begin{array}{\|c} \hline \text { Diff } \\ \text { result- } \\ \text { mean } \end{array}$ | $\begin{gathered} \text { Impurities } \\ \% \end{gathered}$ |  |  | $\begin{array}{\|c} \hline \text { Dift } \\ \text { result- } \\ \text { mean } \end{array}$ | Oil Rapid\% (Clean) |  |  | $\begin{array}{\|c\|c\|} \hline \text { Dift } \\ \text { result- } \\ \text { mean } \end{array}$ | Oil Solvent\% (Clean) |  |  | $\begin{array}{\|c\|c\|} \hline \text { Diff } \\ \text { result- } \\ \text { mean } \end{array}$ | Oil Solvent \% (AOCS) |  |  | $\begin{array}{\|c\|c\|} \hline \text { Diff } \\ \text { result- } \\ \text { mean } \\ \hline \end{array}$ | Oil \% SFE (Clean) |  |  | $\begin{array}{\|c\|} \hline \text { Dift } \\ \text { result- } \\ \text { rean } \\ \hline \end{array}$ | Moisture\% Oven |  |  | $\begin{array}{\|c} \hline \begin{array}{c} \text { Diff } \\ \text { result- } \\ \text { mean } \end{array} \\ \hline \end{array}$ | Moisture \% Rapid |  |  | $\begin{array}{\|c\|c\|} \hline \text { Diff } \\ \text { result- } \\ \text { mean } \end{array}$ | Oleic |  |  | $\begin{array}{\|c\|} \hline \text { Dift } \\ \text { result- } \\ \text { rean } \\ \hline \end{array}$ | $\begin{aligned} & \text { Linoleic } \\ & \% \text { oil } \end{aligned}$ |  |  | $\begin{array}{\|c\|} \hline \text { Dift } \\ \text { result- } \\ \text { mean } \\ \hline \end{array}$ | $\begin{aligned} & \text { Free } \\ & \text { Faty } \\ & \text { Aacid } \end{aligned}$ |  |  | $\begin{array}{\|c} \hline \text { Dift } \\ \text { result- } \\ \text { mean } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Result $A$ | $\begin{array}{\|c\|} \hline \text { Result } \\ \mathrm{B} \end{array}$ | AVE |  | $\left.\begin{array}{\|c\|} \hline \text { Result } \\ \text { A } \end{array} \right\rvert\,$ | $\begin{array}{\|c} \text { Result } \\ \mathrm{B} \end{array}$ | AVE |  | $\begin{array}{\|c\|c\|c\|c\|c\|} \hline \text { Resut } \end{array}$ | $\begin{gathered} \text { Result } \\ \mathrm{B} \end{gathered}$ | AVE |  | $\begin{array}{\|c\|c\|} \hline \text { Result } \\ A \end{array}$ | $\underset{\text { Result }}{\text { B }}$ | AVE |  | $\begin{array}{\|l\|l\|} \hline \text { Result } \end{array}$ | $\left.\begin{array}{\|c\|} \hline \text { Result } \\ \mathrm{B} \end{array} \right\rvert\,$ | AVE |  | $\begin{array}{\|c} \text { Result } \\ \mathrm{A} \end{array}$ | $\left.\begin{array}{\|c\|} \hline \text { Result } \\ \mathrm{B} \end{array} \right\rvert\,$ | AVE |  | $\begin{array}{\|c\|} \hline \text { Result } \\ \text { A } \end{array}$ | $\left.\begin{array}{\|c\|} \hline \text { Result } \\ \mathrm{B} \end{array} \right\rvert\,$ | AVE |  | $\begin{array}{\|c\|c\|c\|c\|c\|} \hline \text { Resut } \end{array}$ | $\begin{array}{\|c} \text { Result } \\ \text { B } \end{array}$ | AVE |  | Result A | $\underset{\text { Result }}{\text { B }}$ | AVE |  | Result A | $\left\lvert\, \begin{gathered}\text { Result } \\ \text { B }\end{gathered}\right.$ | AVE |  | $\underset{\text { Result }}{\text { A }}$ | $\begin{array}{\|c} \text { Result } \\ \mathrm{B} \end{array}$ | AVE |  |
| A | 69.40 | 69.40 | 69.40 | 0.98 | 1.00 | 1.10 | 1.05 | 0.38 | 42.10 | 42.50 | 42.30 | 1.35 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 4.30 | 4.50 | 4.40 | -0.57 |  |  |  |  |  |  |  |  |  |  |  |  |
| B | 68.00 | 68.00 | 68.00 | -0.42 | 1.04 | 0.94 | 0.99 | 0.32 | 41.90 | 42.00 | 41.95 | 1.00 | 41.80 | 42.10 | 41.95 | 0.82 | 41.80 | 42.00 | 41.90 | 0.30 |  |  |  |  | 5.05 | 4.90 | 4.98 | -0.08 | 5.07 | 5.07 | 5.07 | 0.10 | 56.70 | 56.70 | 56.70 | -1.28 | 22.30 | 22.30 | 22.30 | 0.48 | 0.15 | 0.16 | 0.16 | -0.10 |
| c | 67.82 | 67.88 | 67.85 | -0.58 | 0.17 | 0.16 | 0.17 | -0.50 | 40.91 | 41.17 | 41.04 | 0.09 | 41.19 | 41.17 | 41.18 | 0.05 |  |  |  |  |  |  |  |  | 5.37 | 5.37 | 5.37 | 0.31 |  |  |  |  | 58.28 | 58.60 | 58.44 | 0.46 | 21.92 | 21.94 | 21.93 | 0.11 | 0.30 | 0.29 | 0.30 | 0.05 |
| D |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| E | 67.40 | 67.40 | 67.40 | -1.02 | 0.60 | 0.71 | 0.66 | -0.01 | 41.00 | 40.90 | 40.95 | 0.00 | 40.96 | 41.05 | 41.01 | -0.13 |  |  |  |  |  |  |  |  | 5.25 | 5.28 | 5.27 | 0.21 | 4.90 | 4.90 | 4.90 | -0.07 |  |  |  |  |  |  |  |  | 0.42 | 0.46 | 0.44 | 0.19 |
| F | 68.70 |  |  |  | 0.60 |  |  |  | 40.90 |  |  |  | 37.33 | 39.64 | 38.49 | -2.65 |  |  |  |  |  |  |  |  | 5.23 | 5.21 | 5.22 | 0.16 | 5.50 |  |  |  | 57.30 | 56.60 | 56.95 | -1.03 | 21.80 | 21.70 | 21.75 | 0.07 | 0.24 | 0.28 | 0.26 | 0.01 |
| G |  |  |  |  | 0.10 | 0.10 | 0.10 | -0.57 | 41.52 | 41.56 | 41.54 | 0.59 | 38.61 | 38.14 | 8.38 | -2.76 | 39.30 | 39.92 | 9.61 | 1.99 |  |  |  |  | 4.79 | 4.47 | 4.63 | -0.43 |  |  |  |  | 60.56 | 60.69 | 60.63 | 2.65 | 22.21 | 21.76 | 21.99 | 0.16 | 0.28 | 0.2 | 0.26 | 0.01 |
| H | 69.00 | 69.10 | 69.05 | 0.63 | 0.60 | 0.60 | 0.60 | -0.07 | 39.70 | 39.50 | 39.60 | -1.35 | 41.50 | 41.40 | 41.45 | 0.32 | 41.50 | 41.40 | 41.45 | -0.15 |  |  |  |  | 5.10 | 5.10 | 5.10 | 0.04 | 5.40 | 5.50 | 5.45 | 0.48 | 56.88 | 57.37 | 57.13 | -0.85 | 21.50 | 21.72 | 21.61 | -0.22 | 0.17 | 0.17 | 0.17 | -0.08 |
| 1 | 69.00 | 69.10 | 69.05 | 0.63 | 0.30 | 0.40 | 0.35 | -0.32 | 40.70 | 40.80 | 40.75 | -0.20 | 40.17 | 40.11 | 40.14 | -0.99 |  |  |  |  |  |  |  |  | 5.15 | 5.14 | 5.15 | 0.09 | 5.20 | 5.50 | 5.35 | 0.38 |  |  |  |  |  |  |  |  |  |  |  |  |
| J | 68.14 | 68.44 | 68.29 | -0.14 | 0.79 | 1.23 | 1.01 | 0.34 | 40.70 | 40.50 | 40.60 | -0.35 |  |  |  |  |  |  |  |  | 40.84 | 40.99 | 40.92 | 0.00 | 5.01 | 5.03 | 5.02 | -0.04 | 5.20 | 5.20 | 5.20 | 0.23 |  |  |  |  |  |  |  |  |  |  |  |  |
| к | 68.50 | 68.20 | 68.35 | -0.08 | 0.50 | 0.90 | 0.70 | 0.03 | 40.30 | 40.10 | 40.20 | -0.75 | 41.00 | 40.60 | 40.80 | -0.33 |  |  |  |  |  |  |  |  | 4.95 | 4.93 | 4.94 | -0.12 | 4.60 | 4.80 | 4.70 | -0.27 |  |  |  |  |  |  |  |  | 0.20 | 0.30 | 0.25 | 0.00 |
| L |  |  |  |  | 0.41 | 0.67 | 0.54 | -0.13 |  |  |  |  | 41.10 | 41.30 | 41.20 | 0.07 |  |  |  |  |  |  |  |  | 5.22 | 5.24 | 5.23 | 0.17 |  |  |  |  | 57.40 | 57.40 | 57.40 | -0.58 | 21.90 | 21.90 | 21.90 | 0.07 | 0.36 | 0.37 | 0.37 | 0.12 |
| m | 67.80 | 67.80 | 67.80 | -0.63 | 0.90 | 0.90 | 0.90 | 0.23 | 40.69 | 40.34 | 40.52 | -0.43 |  |  |  |  |  |  |  |  |  |  |  |  | 5.07 | 5.07 | 5.07 | 0.01 | 4.52 | 4.66 | 4.59 | -0.38 |  |  |  |  |  |  |  |  |  |  |  |  |
| N | 68.65 | 68.72 | 68.69 | 0.26 | 0.98 | 0.97 | 0.98 | 0.31 | 41.20 | 41.20 | 41.20 | 0.25 | 41.75 | 41.80 | 41.78 | 0.64 | 41.47 | 41.41 | 41.44 | -0.16 |  |  |  |  | 5.00 | 4.90 | 4.95 | -0.11 | 5.10 | 5.00 | 5.05 | 0.08 |  |  |  |  |  |  |  |  |  |  |  |  |
| 0 | 68.80 | 68.80 | 68.80 | 0.38 |  |  |  |  | 40.70 | 40.70 | 40.70 | -0.25 | 40.70 | 40.70 | 40.70 | -0.43 |  |  |  |  |  |  |  |  | 4.90 | 4.80 | 4.85 | -0.21 |  |  |  |  | 58.60 | 58.60 | 58.60 | 0.62 | 21.30 | 21.30 | 21.30 | -0.52 |  |  |  |  |
| Mean |  |  | 68.43 |  |  |  | 0.67 |  |  |  | 40.95 |  |  |  | 41.13 |  |  |  | 41.60 |  |  |  | 40.92 |  |  |  | 5.06 |  |  |  | 4.97 |  |  |  | 57.98 |  |  |  | 21.83 |  |  |  | 0.25 |  |
| Stdev |  |  | 0.63 |  |  |  | 0.33 |  |  |  | 0.74 |  |  |  | 0.56 |  |  |  | 0.26 |  |  |  | \#\#\#\#\| |  |  |  | 0.20 |  |  |  | 0.35 |  |  |  | 1.38 |  |  |  | 0.31 |  |  |  | 0.07 |  |

ERot included in the Mean and Stdev
These outliers have been determined by the Outlier Determination Tab

