



**2014 AOF Test Check Program**  
**Monthly Report**  
**Round 7**  
**July - 2014**  
01/07/2014 – 01/08/2014

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## **Result Receipt Dates**

| <b>Lab Code</b> | <b>Date</b> |
|-----------------|-------------|
| A               | 07/07/2014  |
| B               | 31/07/2014  |
| C               | 31/07/2014  |
| D               | 21/07/2014  |
| E               | 15/07/2014  |
| F               | -           |
| G               | 31/07/2014  |
| H               | 31/07/2014  |
| I               | -           |
| J               | 23/07/2014  |
| K               | 28/07/2014  |
| L               | 25/07/2014  |
| M               | 15/07/2014  |
| N               | 15/07/2014  |
| O               | 21/07/2014  |
| Q               | 07/07/2014  |
| R               | 08/07/2014  |

## **Discussion of Results**

### ***Test Weight***

Sample 1 – Outliers were identified for Lab **B**, **C** and **D**. Lab **B** and **C** result in a 0.63 and 0.28 h/L discrepancy, respectively, from the upper quartile limit (69.25 h/L). Lab **D** was 3.99 h/L discrepancy from the lower quartile limit (65.10%).

Sample 2 – One outlier was identified for Lab **D** with a 0.57 h/L discrepancy from the lower quartile limit (66.74 h/L).

Sample 3 – No outliers were observed.



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### ***Impurities***

Sample 1 – One outlier was identified for Lab **B** with a 0.74 of a percent discrepancy from the upper quartile limit (2.54%).

Sample 2 – No outliers were observed.

Sample 3 – Outliers, identified for Lab **D** and **E**, were 0.8 and 0.5 of a percent discrepancy, respectively, from the lower quartile limit (4.3%).

### ***Oil Rapid***

Sample 1 – One outlier was identified for Lab **N** with a 0.88 of a percent discrepancy from the lower quartile limit (38.63%).

Sample 2 – No outliers were observed.

Sample 3 – No outliers were observed.

### ***Oil Solvent Extraction***

Sample 1 – Outliers, identified for Lab **H** and **R**, were 0.46 and 0.02 of a percent discrepancy, respectively, from the lower quartile limit (37.91%).

Sample 2 – No outliers were observed.

Sample 3 – No outliers were observed.

### ***Moisture Oven***

Sample 1 – Outliers were identified for Lab **D** and **R**. Lab **D** was 0.06 of a percent discrepancy from the upper quartile limit (8.29%). Lab **R** was 0.35 of a percent discrepancy from the lower quartile limit (7.34%).

Sample 2 – Outliers were identified for Lab **D**, **E** and **R**. Lab **D** and **E** result in a 0.68 and 0.16 of a percent discrepancy, respectively, from the upper quartile limit (6.82%). Lab **R** was 0.64 of a percent discrepancy from the lower quartile limit (6.28%).

Sample 3 – Outliers were identified for Lab **D** and **R**. Lab **D** was 0.63 of a percent discrepancy from the upper quartile limit (5.67%). Lab **R** was 0.59 of a percent discrepancy from the lower quartile limit (5.07%).



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### ***Moisture Rapid***

Sample 1 – Outliers, identified for Lab **N** and **Q**, were 0.09 and 0.19 of a percent discrepancy, respectively, from the lower quartile limit (7.59%).

Sample 2 – No outliers were observed.

Sample 3 – No outliers were observed.

### ***Oleic Oil***

Sample 1 – No outliers were observed.

Sample 2 – One outlier was identified for Lab **E** with a 0.83 of a percent discrepancy from the upper quartile limit (65.05%).

Sample 3 – One outlier was identified for Lab **E** with a 0.72 of a percent discrepancy from the upper quartile limit (65.28%).

### ***Linoleic Oil***

Sample 1 – One outlier was identified for Lab **E** with a 0.18 of a percent discrepancy from the lower quartile limit (12.63%).

Sample 2 – One outlier was identified for Lab **E** with a 0.47 of a percent discrepancy from the lower quartile limit (18.23%).

Sample 3 – One outlier was identified for Lab **E** with a 0.14 of a percent discrepancy from the lower quartile limit (17.33%).

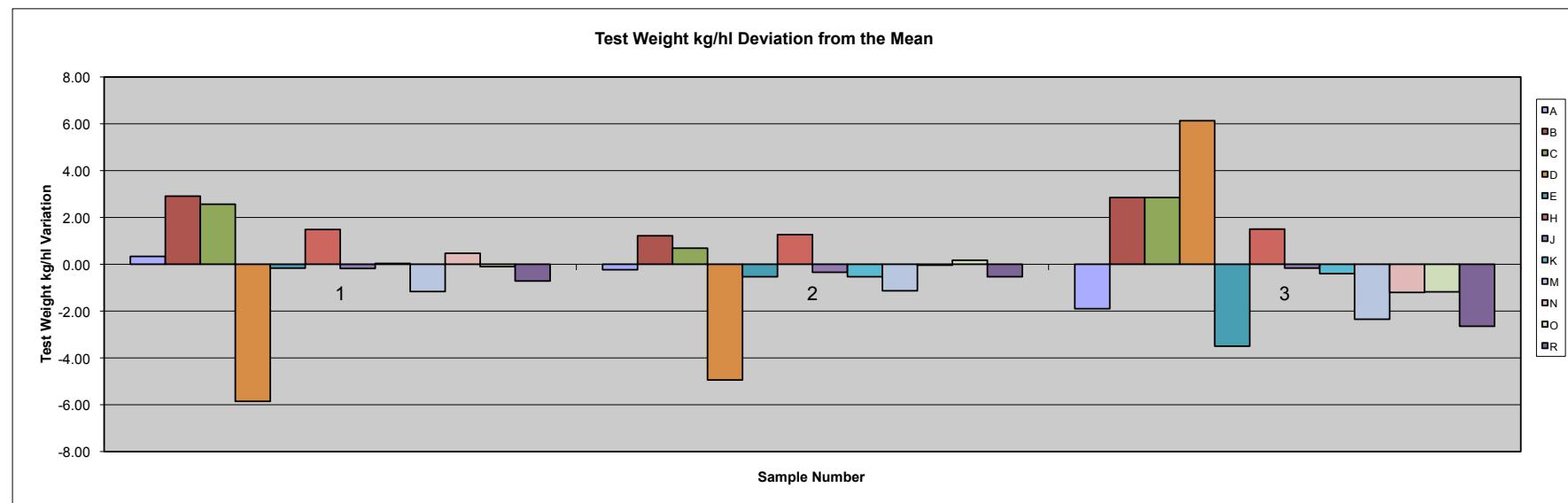
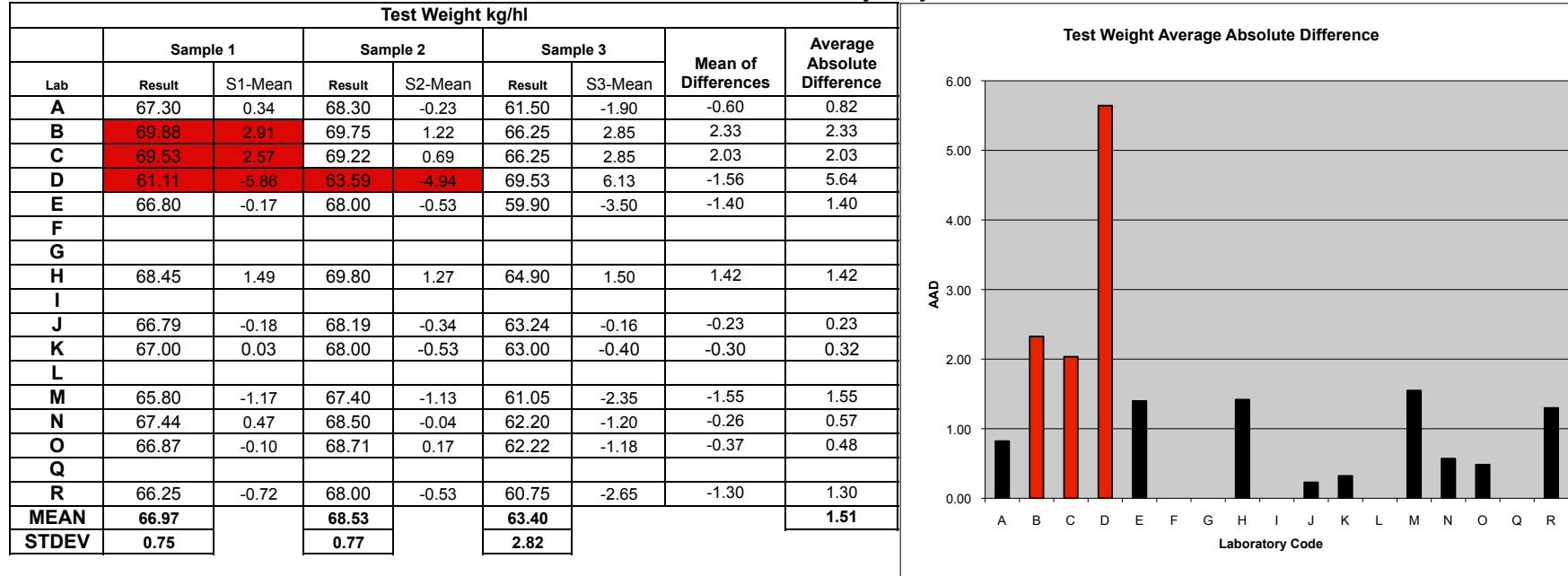
### ***Free Fatty Acid***

Sample 1 – One outlier was identified for Lab **E** with a 0.03 of a percent discrepancy from the upper quartile limit (0.59%).

Sample 2 – One outlier was identified for Lab **E** with a 0.09 of a percent discrepancy from the upper quartile limit (0.55%).

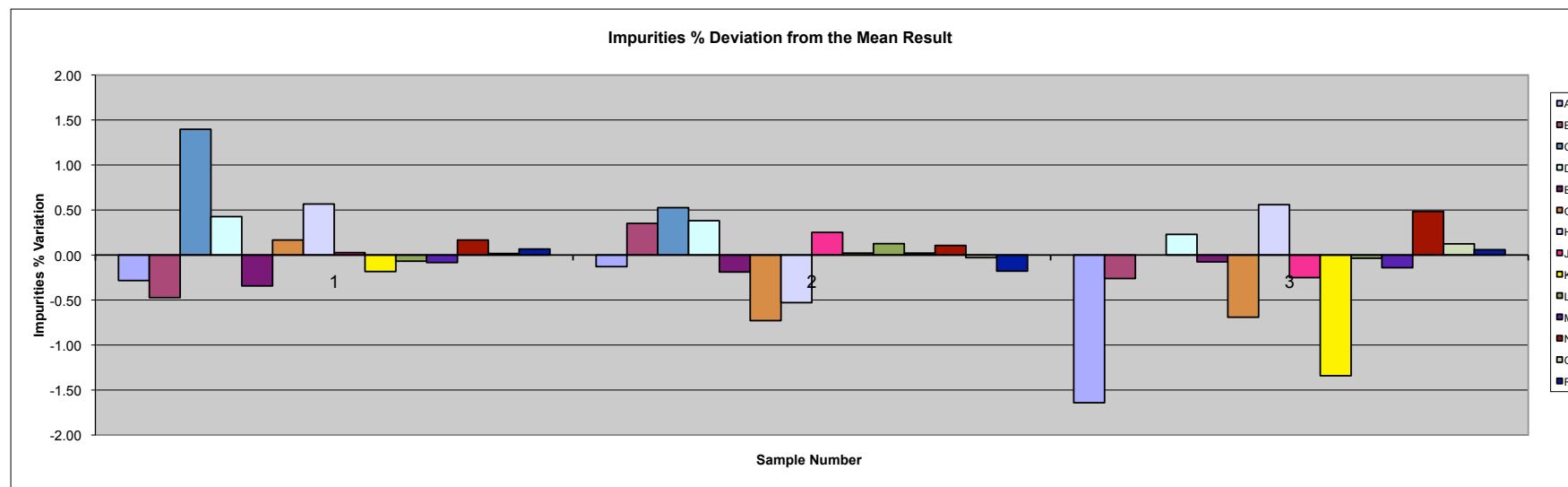
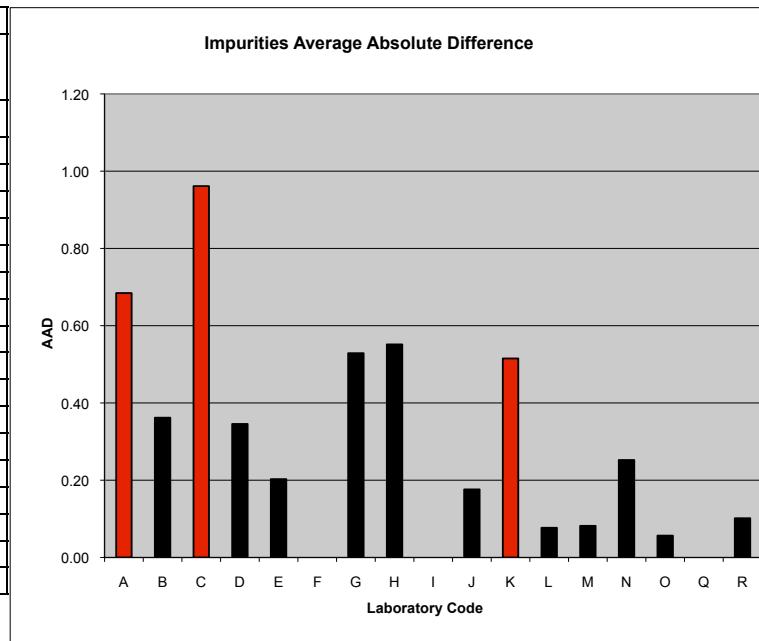
Sample 3 – No outliers were observed.

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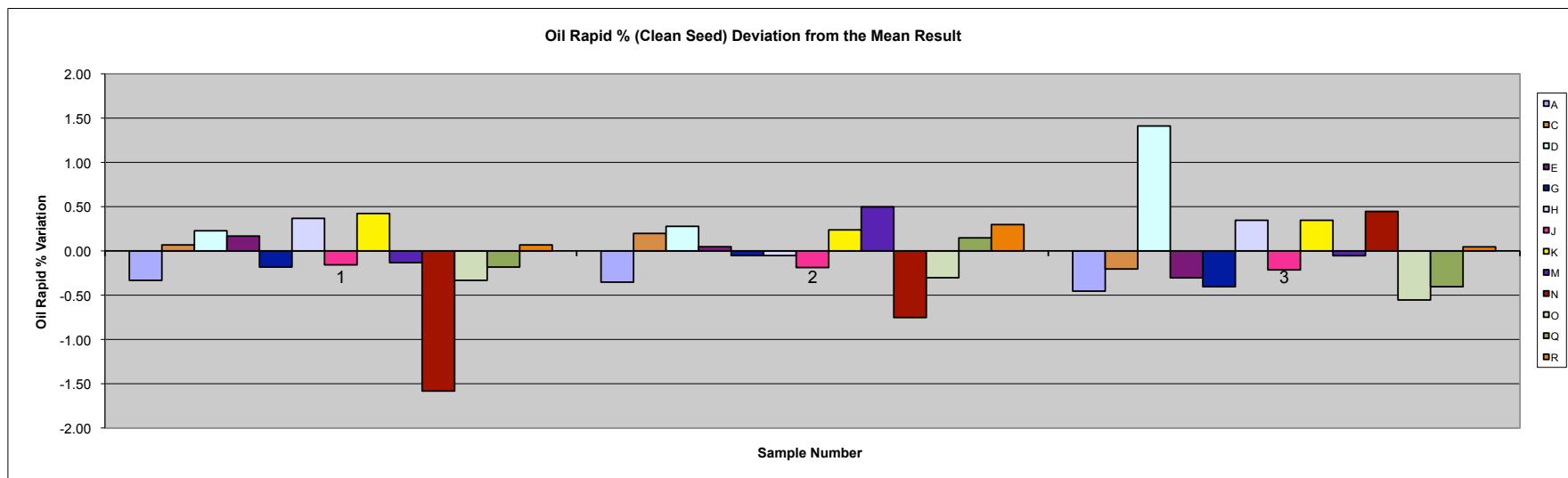
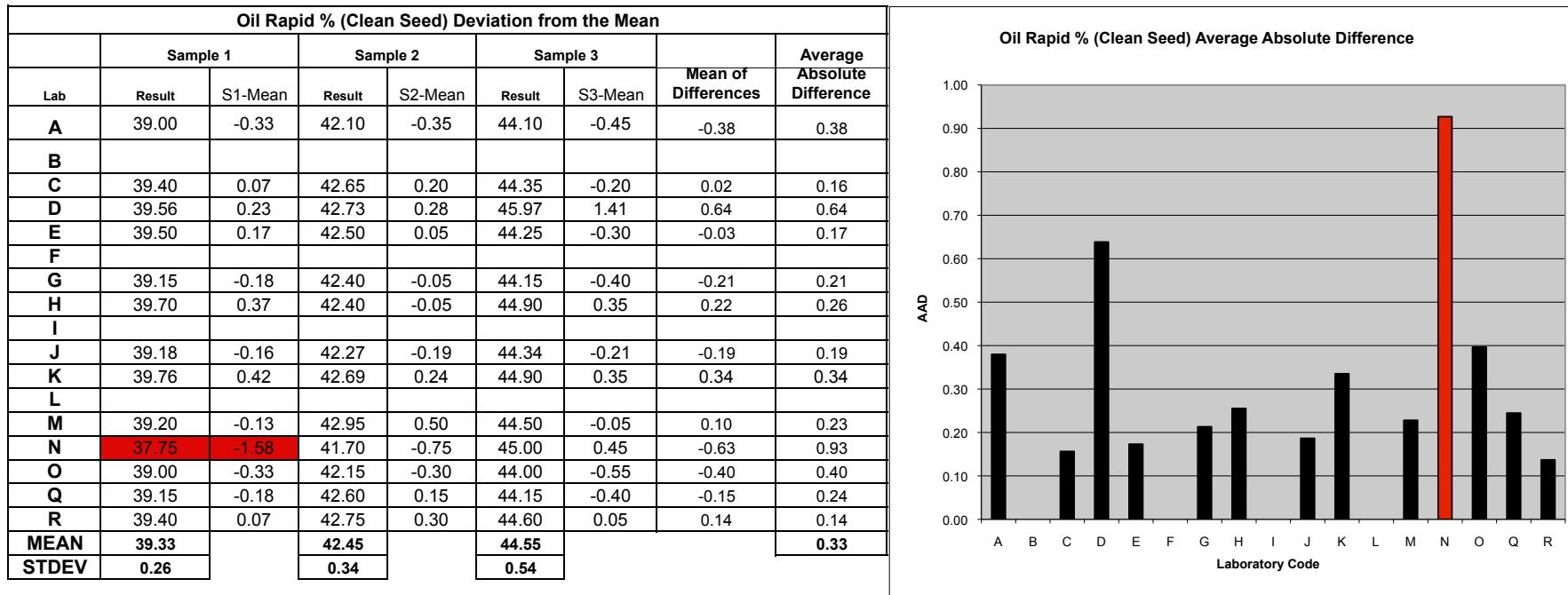


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| Impurities % |             |         |          |             |          |             |                     |                             |
|--------------|-------------|---------|----------|-------------|----------|-------------|---------------------|-----------------------------|
| Lab          | Sample 1    |         | Sample 2 |             | Sample 3 |             | Mean of Differences | Average Absolute Difference |
|              | Result      | S1-Mean | Result   | S2-Mean     | Result   | S3-Mean     |                     |                             |
| A            | 1.60        | -0.28   | 1.35     | -0.13       | 3.50     | -1.64       | -0.68               | 0.68                        |
| B            | 1.41        | -0.47   | 1.83     | 0.35        | 4.88     | -0.26       | -0.13               | 0.36                        |
| C            | 3.28        | 1.40    | 2.01     | 0.53        |          |             | 0.96                | 0.96                        |
| D            | 2.31        | 0.43    | 1.86     | 0.38        | 5.37     | 0.23        | 0.35                | 0.35                        |
| E            | 1.54        | -0.34   | 1.29     | -0.19       | 5.07     | -0.08       | -0.20               | 0.20                        |
| F            |             |         |          |             |          |             |                     |                             |
| G            | 2.05        | 0.17    | 0.75     | -0.73       | 4.45     | -0.69       | -0.42               | 0.53                        |
| H            | 2.45        | 0.57    | 0.95     | -0.53       | 5.70     | 0.56        | 0.20                | 0.55                        |
| I            |             |         |          |             |          |             |                     |                             |
| J            | 1.91        | 0.03    | 1.73     | 0.25        | 4.89     | -0.25       | 0.01                | 0.18                        |
| K            | 1.70        | -0.18   | 1.50     | 0.02        | 3.80     | -1.34       | -0.50               | 0.52                        |
| L            | 1.82        | -0.07   | 1.61     | 0.13        | 5.11     | -0.04       | 0.01                | 0.08                        |
| M            | 1.80        | -0.08   | 1.50     | 0.02        | 5.00     | -0.14       | -0.07               | 0.08                        |
| N            | 2.05        | 0.17    | 1.59     | 0.11        | 5.63     | 0.48        | 0.25                | 0.25                        |
| O            | 1.90        | 0.02    | 1.45     | -0.03       | 5.27     | 0.12        | 0.04                | 0.06                        |
| Q            |             |         |          |             |          |             |                     |                             |
| R            | 1.95        | 0.07    | 1.30     | -0.18       | 5.20     | 0.06        | -0.02               | 0.10                        |
| <b>MEAN</b>  | <b>1.88</b> |         |          | <b>1.48</b> |          | <b>5.14</b> |                     | <b>0.35</b>                 |
| <b>STDEV</b> | <b>0.29</b> |         |          | <b>0.34</b> |          | <b>0.35</b> |                     |                             |

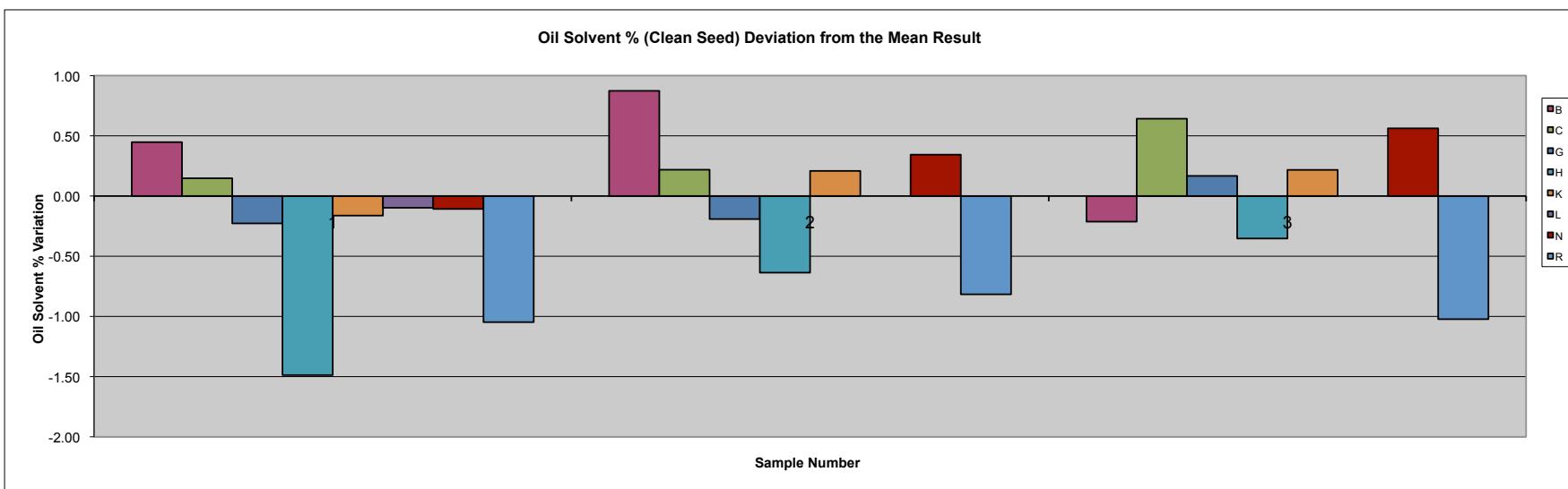
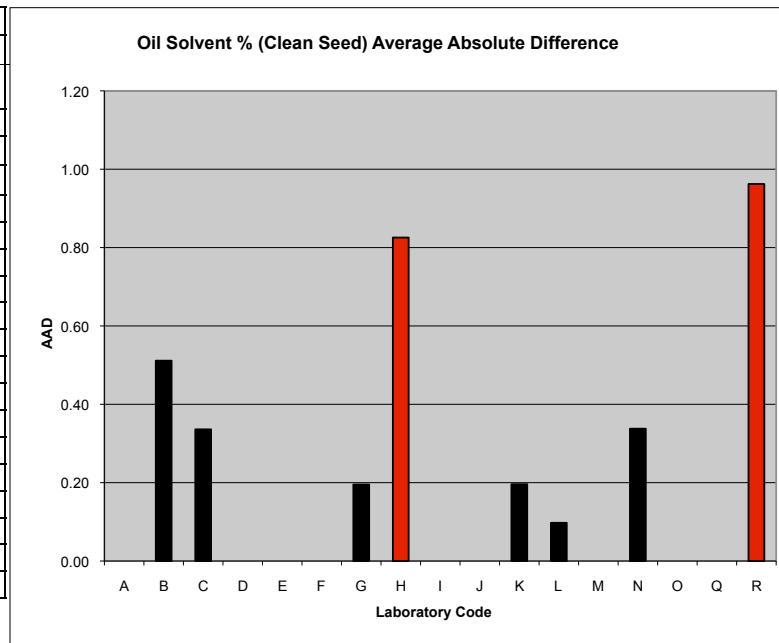


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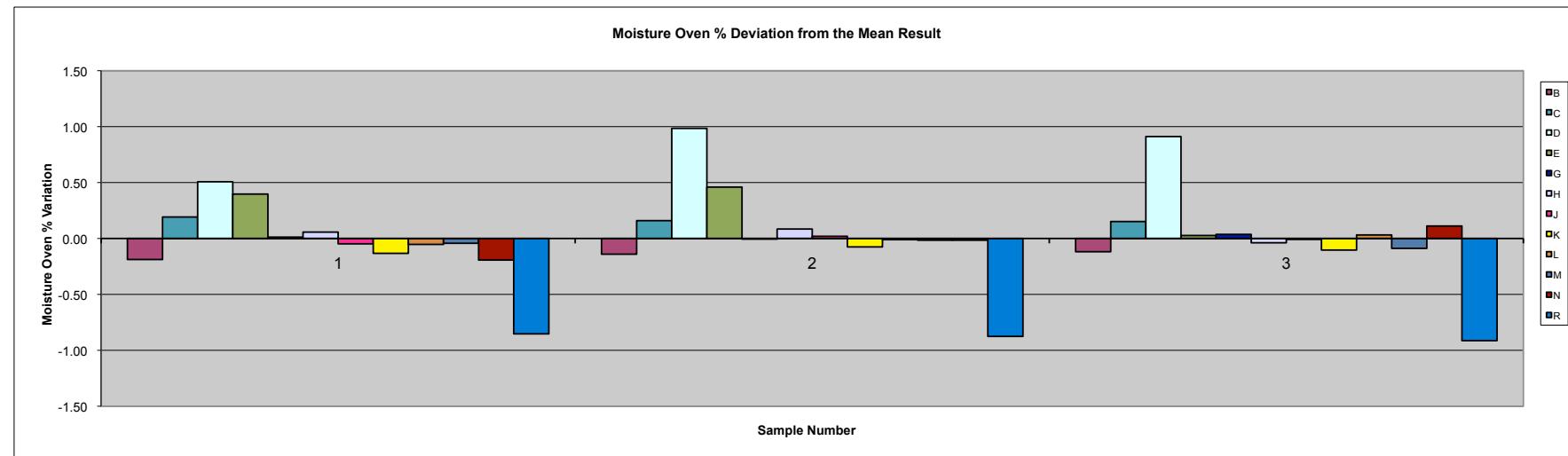
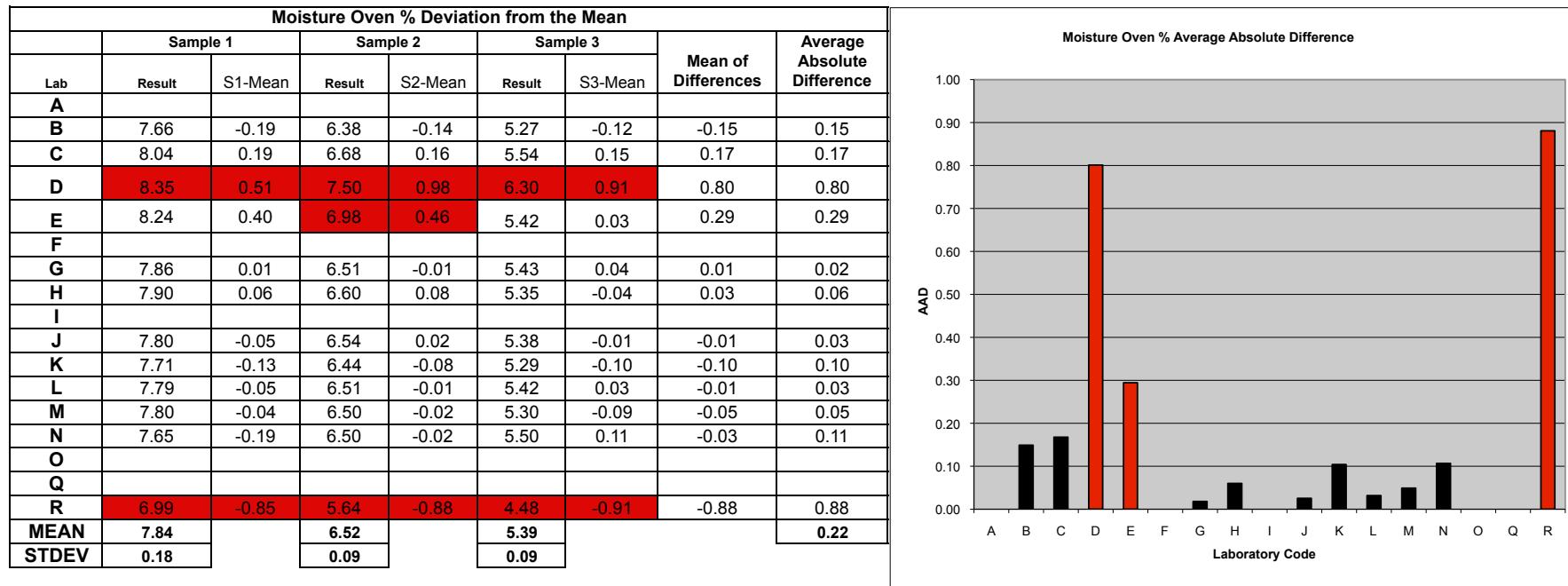


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| Oil Solvent % (Clean Seed) Deviation from the Mean |          |         |          |         |          |         |                     |                             |
|--|----------|---------|----------|---------|----------|---------|---------------------|-----------------------------|
| Lab  | Sample 1 |         | Sample 2 |         | Sample 3 |         | Mean of Differences | Average Absolute Difference |
|  | Result   | S1-Mean | Result   | S2-Mean | Result   | S3-Mean |                     |                             |
| A  |          |         |          |         |          |         |                     |                             |
| B  | 39.39    | 0.45    | 42.46    | 0.87    | 44.19    | -0.21   | 0.37                | 0.51                        |
| C  | 39.09    | 0.15    | 41.81    | 0.22    | 45.05    | 0.64    | 0.34                | 0.34                        |
| D  |          |         |          |         |          |         |                     |                             |
| E  |          |         |          |         |          |         |                     |                             |
| F  |          |         |          |         |          |         |                     |                             |
| G  | 38.71    | -0.23   | 41.40    | -0.19   | 44.57    | 0.17    | -0.08               | 0.20                        |
| H  | 37.45    | -1.49   | 40.95    | -0.64   | 44.05    | -0.35   | -0.83               | 0.83                        |
| I  |          |         |          |         |          |         |                     |                             |
| J  |          |         |          |         |          |         |                     |                             |
| K  | 38.78    | -0.16   | 41.80    | 0.21    | 44.62    | 0.22    | 0.09                | 0.20                        |
| L  | 38.84    | -0.10   |          |         |          |         | -0.10               | 0.10                        |
| M  |          |         |          |         |          |         |                     |                             |
| N  | 38.83    | -0.11   | 41.93    | 0.34    | 44.97    | 0.56    | 0.27                | 0.34                        |
| O  |          |         |          |         |          |         |                     |                             |
| Q  |          |         |          |         |          |         |                     |                             |
| R  | 37.89    | -1.05   | 40.77    | -0.82   | 43.38    | -1.02   | -0.96               | 0.96                        |
| MEAN   | 38.94    |         | 41.59    |         | 44.40    |         |                     | 0.43                        |
| STDEV  | 0.25     |         | 0.59     |         | 0.58     |         |                     |                             |

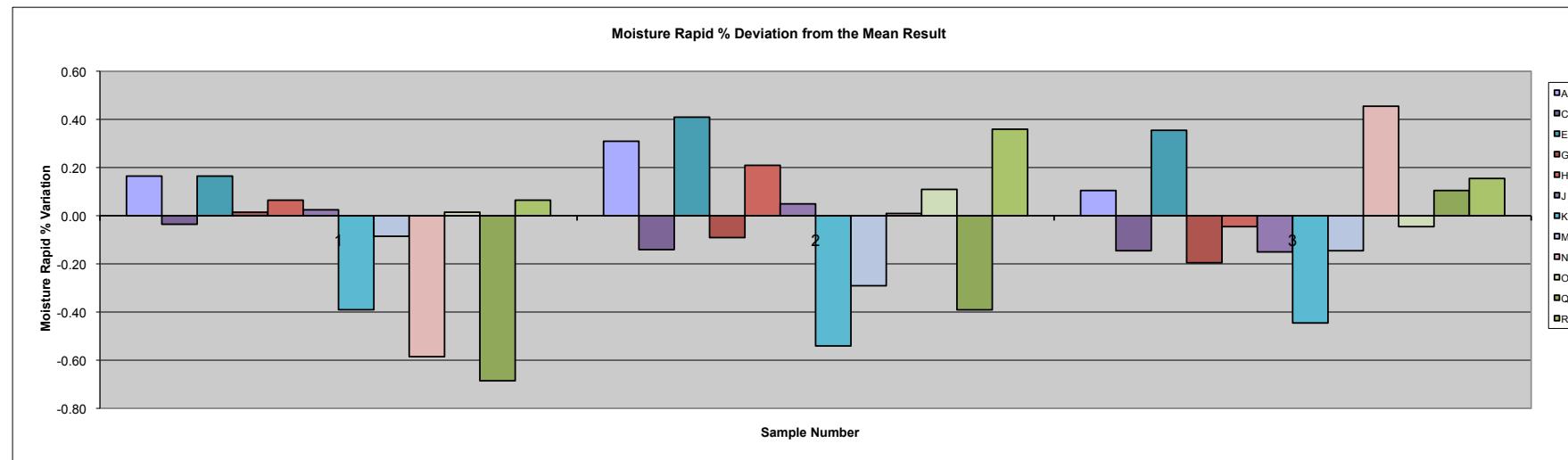
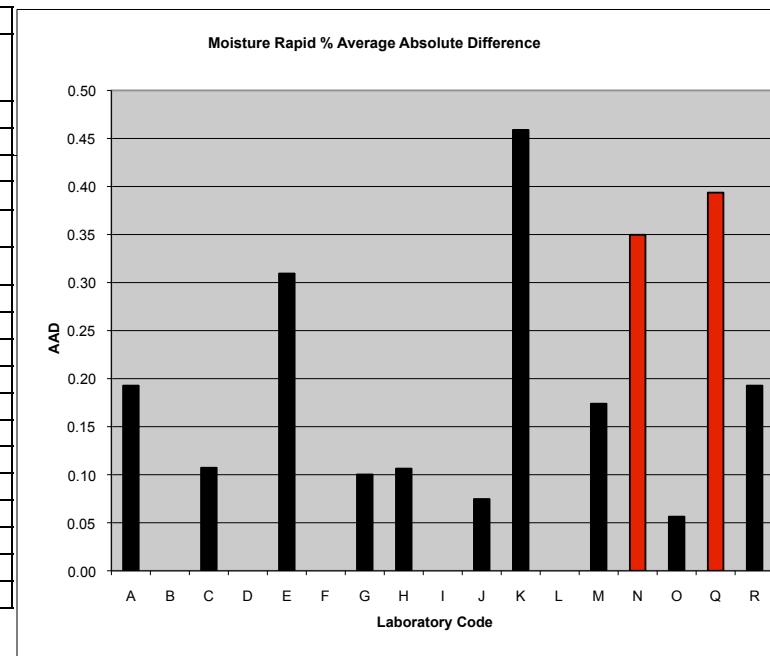


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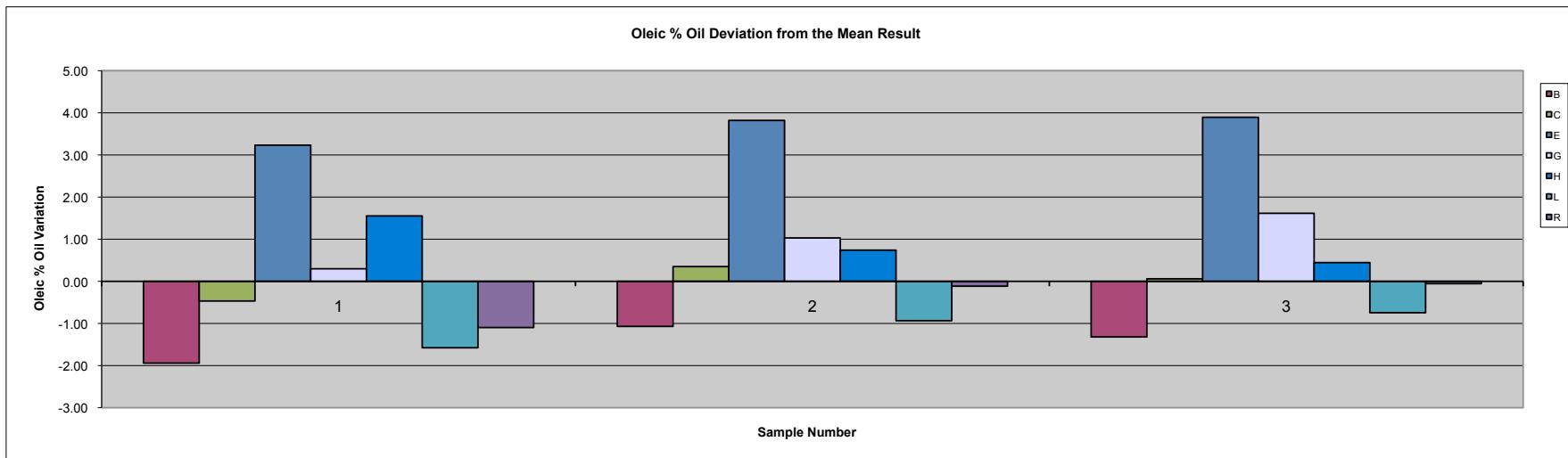
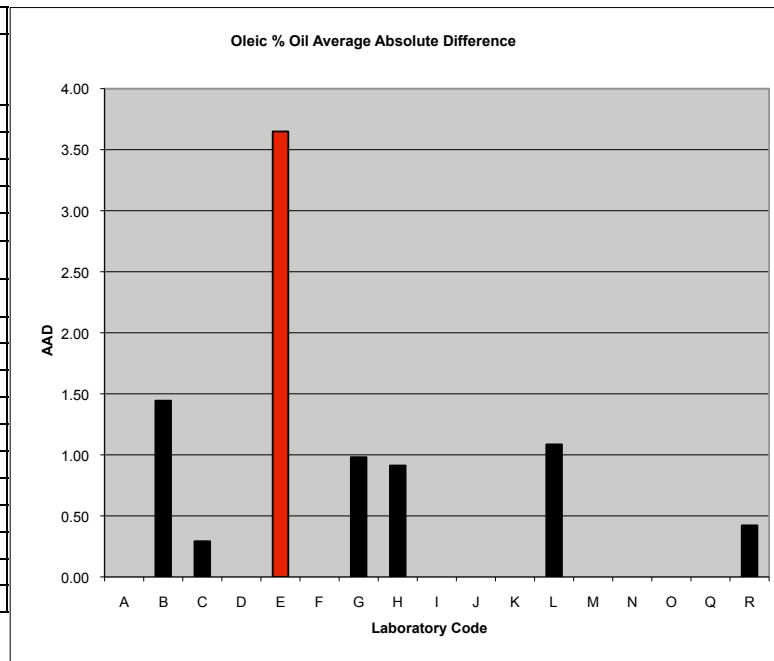
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| Moisture Rapid % Deviation from the Mean |             |         |             |         |             |         |                     |                             |
|--|-------------|---------|-------------|---------|-------------|---------|---------------------|-----------------------------|
| Lab                                      | Sample 1    |         | Sample 2    |         | Sample 3    |         | Mean of Differences | Average Absolute Difference |
|  | Result      | S1-Mean | Result      | S2-Mean | Result      | S3-Mean |                     |                             |
| <b>A</b>                                 | 8.25        | 0.16    | 6.70        | 0.31    | 5.40        | 0.10    | 0.19                | 0.19                        |
| <b>B</b>                                 |             |         |             |         |             |         |                     |                             |
| <b>C</b>                                 | 8.05        | -0.04   | 6.25        | -0.14   | 5.15        | -0.15   | -0.11               | 0.11                        |
| <b>D</b>                                 |             |         |             |         |             |         |                     |                             |
| <b>E</b>                                 | 8.25        | 0.16    | 6.80        | 0.41    | 5.65        | 0.35    | 0.31                | 0.31                        |
| <b>F</b>                                 |             |         |             |         |             |         |                     |                             |
| <b>G</b>                                 | 8.10        | 0.01    | 6.30        | -0.09   | 5.10        | -0.20   | -0.09               | 0.10                        |
| <b>H</b>                                 | 8.15        | 0.06    | 6.60        | 0.21    | 5.25        | -0.05   | 0.08                | 0.11                        |
| <b>I</b>                                 |             |         |             |         |             |         |                     |                             |
| <b>J</b>                                 | 8.11        | 0.02    | 6.44        | 0.05    | 5.15        | -0.15   | -0.03               | 0.07                        |
| <b>K</b>                                 | 7.70        | -0.39   | 5.85        | -0.54   | 4.85        | -0.45   | -0.46               | 0.46                        |
| <b>L</b>                                 |             |         |             |         |             |         |                     |                             |
| <b>M</b>                                 | 8.00        | -0.09   | 6.10        | -0.29   | 5.15        | -0.15   | -0.17               | 0.17                        |
| <b>N</b>                                 | 7.50        | -0.59   | 6.40        | 0.01    | 5.75        | 0.45    | -0.04               | 0.35                        |
| <b>O</b>                                 | 8.10        | 0.01    | 6.50        | 0.11    | 5.25        | -0.05   | 0.03                | 0.06                        |
| <b>Q</b>                                 | 7.40        | -0.69   | 6.00        | -0.39   | 5.40        | 0.10    | -0.32               | 0.39                        |
| <b>R</b>                                 | 8.15        | 0.06    | 6.75        | 0.36    | 5.45        | 0.15    | 0.19                | 0.19                        |
| <b>MEAN</b>                              | <b>8.09</b> |         | <b>6.39</b> |         | <b>5.30</b> |         |                     | <b>0.21</b>                 |
| <b>STDEV</b>                             | <b>0.16</b> |         | <b>0.30</b> |         | <b>0.25</b> |         |                     |                             |

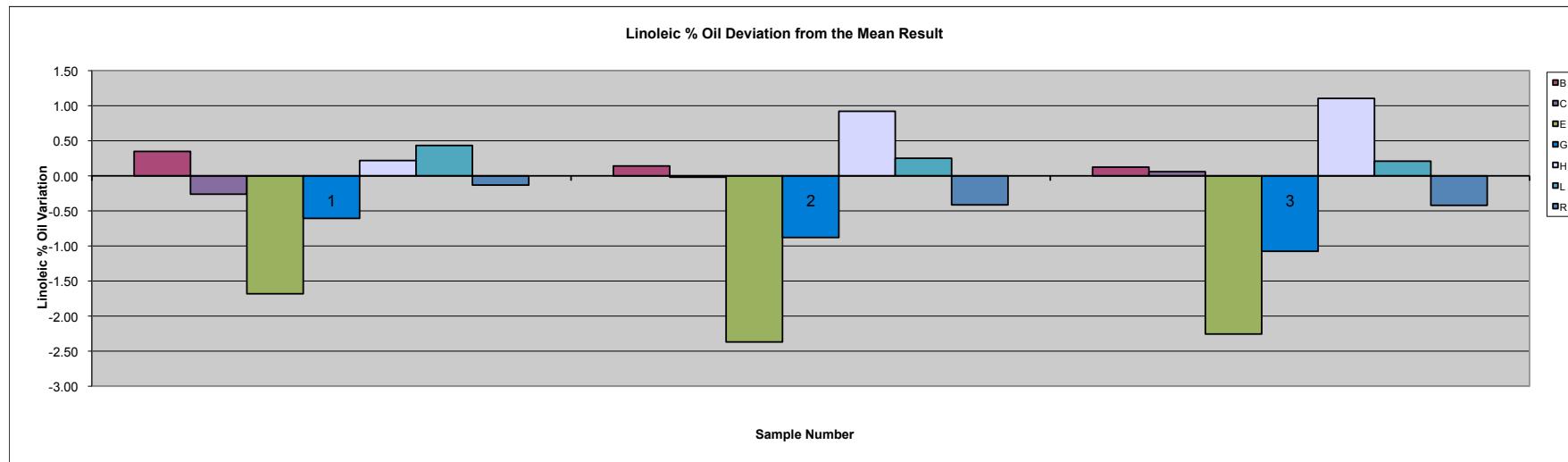
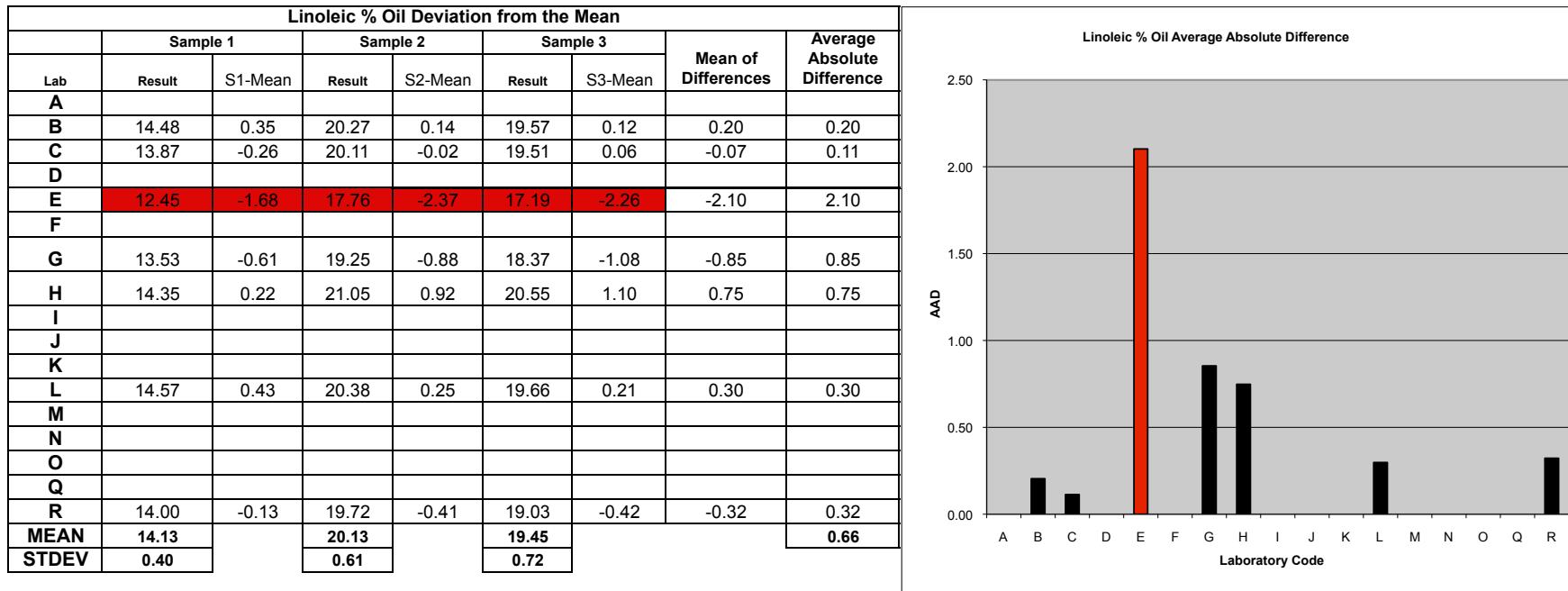


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| Oleic % Oil Deviation from the Mean |              |         |              |         |              |         |                     |                             |
|-------------------------------------|--------------|---------|--------------|---------|--------------|---------|---------------------|-----------------------------|
| Lab                                 | Sample 1     |         | Sample 2     |         | Sample 3     |         | Mean of Differences | Average Absolute Difference |
|                                     | Result       | S1-Mean | Result       | S2-Mean | Result       | S3-Mean |                     |                             |
| <b>A</b>                            |              |         |              |         |              |         |                     |                             |
| <b>B</b>                            | 67.71        | -1.94   | 60.99        | -1.07   | 60.79        | -1.32   | -1.44               | 1.44                        |
| <b>C</b>                            | 69.18        | -0.47   | 62.41        | 0.35    | 62.17        | 0.06    | -0.02               | 0.29                        |
| <b>D</b>                            |              |         |              |         |              |         |                     |                             |
| <b>E</b>                            | 72.88        | 3.23    | 65.88        | 3.82    | 66.00        | 3.90    | 3.65                | 3.65                        |
| <b>F</b>                            |              |         |              |         |              |         |                     |                             |
| <b>G</b>                            | 69.95        | 0.30    | 63.09        | 1.03    | 63.72        | 1.62    | 0.98                | 0.98                        |
| <b>H</b>                            | 71.20        | 1.55    | 62.80        | 0.74    | 62.55        | 0.45    | 0.91                | 0.91                        |
| <b>I</b>                            |              |         |              |         |              |         |                     |                             |
| <b>J</b>                            |              |         |              |         |              |         |                     |                             |
| <b>K</b>                            |              |         |              |         |              |         |                     |                             |
| <b>L</b>                            | 68.07        | -1.58   | 61.13        | -0.94   | 61.36        | -0.74   | -1.09               | 1.09                        |
| <b>M</b>                            |              |         |              |         |              |         |                     |                             |
| <b>N</b>                            |              |         |              |         |              |         |                     |                             |
| <b>O</b>                            |              |         |              |         |              |         |                     |                             |
| <b>Q</b>                            |              |         |              |         |              |         |                     |                             |
| <b>R</b>                            | 68.55        | -1.10   | 61.95        | -0.12   | 62.05        | -0.05   | -0.42               | 0.42                        |
| <b>MEAN</b>                         | <b>69.65</b> |         | <b>62.06</b> |         | <b>62.11</b> |         |                     | <b>1.26</b>                 |
| <b>STDEV</b>                        | <b>1.85</b>  |         | <b>0.87</b>  |         | <b>1.01</b>  |         |                     |                             |



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