

## Raw Lowfat Milk Samples Chemical Results

**Set: 250244      DATE: 10/27/25**

| Sample Number       | Mojonnier Fat% | Total Solids% | Total N Protein% | CALCULATED VALUES** |             |               |                   | Titratable Acidity as Lactic Acid% |
|---------------------|----------------|---------------|------------------|---------------------|-------------|---------------|-------------------|------------------------------------|
|                     |                |               |                  | True Protein%       | SNF%        | Other Solids% | By Diff. Lactose% |                                    |
| 1                   | 0.05           | 9.48          | 3.62             | 3.42                | 9.43        | 5.81          | 5.04              | 0.12                               |
| 2                   | 0.25           | 9.64          | 3.61             | 3.42                | 9.39        | 5.79          | 5.04              | 0.12                               |
| 3                   | 0.50           | 9.87          | 3.57             | 3.38                | 9.37        | 5.80          | 5.03              | 0.12                               |
| 4                   | 0.74           | 10.11         | 3.57             | 3.38                | 9.37        | 5.80          | 5.04              | 0.12                               |
| 5                   | 1.01           | 10.35         | 3.58             | 3.40                | 9.35        | 5.76          | 5.00              | 0.12                               |
| 6                   | 1.30           | 10.63         | 3.59             | 3.40                | 9.33        | 5.74          | 4.98              | 0.12                               |
| 7                   | 1.70           | 11.07         | 3.58             | 3.40                | 9.37        | 5.78          | 5.02              | 0.12                               |
| 8                   | 2.01           | 11.34         | 3.57             | 3.39                | 9.33        | 5.76          | 5.01              | 0.12                               |
| 9                   | 2.31           | 11.60         | 3.54             | 3.36                | 9.29        | 5.75          | 5.01              | 0.12                               |
| 10                  | 2.64           | 11.86         | 3.50             | 3.31                | 9.21        | 5.72          | 4.99              | 0.12                               |
| 11                  | 3.25           | 12.41         | 3.50             | 3.32                | 9.16        | 5.65          | 4.93              | 0.12                               |
| 12                  | 3.58           | 12.89         | 3.66             | 3.47                | 9.31        | 5.65          | 4.91              | 0.12                               |
| <b>Average 1-12</b> | <b>1.61</b>    | <b>10.94</b>  | <b>3.57</b>      | <b>3.39</b>         | <b>9.33</b> | <b>5.75</b>   | <b>5.00</b>       | <b>0.12</b>                        |

### Fortified Samples

|                      |             |              |             |             |              |             |             |             |
|----------------------|-------------|--------------|-------------|-------------|--------------|-------------|-------------|-------------|
| 13                   | 0.07        | 9.49         | 3.59        | 3.40        | 9.41         | 5.82        | 5.07        | 0.12        |
| 14                   | 1.01        | 12.25        | 4.37        | 4.14        | 11.24        | 6.87        | 5.96        | 0.15        |
| 15                   | 2.04        | 12.17        | 3.94        | 3.74        | 10.12        | 6.18        | 5.35        | 0.13        |
| 16                   | 3.56        | 12.86        | 3.66        | 3.47        | 9.30         | 5.64        | 4.89        | 0.12        |
| <b>Average 13-16</b> | <b>1.67</b> | <b>11.69</b> | <b>3.89</b> | <b>3.69</b> | <b>10.02</b> | <b>6.13</b> | <b>5.32</b> | <b>0.13</b> |
| <b>Average 1-16</b>  | <b>1.63</b> | <b>11.13</b> | <b>3.65</b> | <b>3.46</b> | <b>9.50</b>  | <b>5.85</b> | <b>5.08</b> | <b>0.12</b> |

All Results Are The Average Of At Least Duplicate Analysis.

*Bruce Kuechle, Technical Director*

#### References:

SMEDP 15.086, 15.114, 15.131, 15.133

AOAC 989.05, 991.20, 991.21, 991.23, 990.20, 990.21

#### \*\*Calculations:

By Diff. Lactose% = Total Solids% - Fat% - Total N Protein% - Ash%

SNF% = Total Solids% - Fat%

Other Solids% = Total Solids% - Fat% - Total N Protein%

True Protein% = Total Protein% - Non-Protein Nitrogen%