

## Raw Milk Component Standards Chemical Results

Set: **180030** Date: **07/16/18**

| Sample Number |    | Mojonnier Fat% | Total Solids% | Total N Protein% | CALCULATED VALUES** |         |                   |      |                          | Urea (MUN) mg/dl | Freeze Point °H | TA%*  |           |
|---------------|----|----------------|---------------|------------------|---------------------|---------|-------------------|------|--------------------------|------------------|-----------------|-------|-----------|
|               |    |                |               |                  | True Protein%       | Casein% | By Diff. Lactose% | SNF% | Other Solids% Total Pro. |                  |                 |       | True Pro. |
| 1             |    | 2.76           | 11.26         | 2.96             | 2.82                | 2.36    | 4.84              | 8.50 | 5.53                     | 5.68             | 9.2             | 0.536 | 0.12      |
| 2             | A  | 3.24           | 11.24         | 2.60             | 2.47                | 2.02    | 4.69              | 8.00 | 5.40                     | 5.53             | 3.2             | 0.539 | 0.11      |
| 3             |    | 3.64           | 12.25         | 2.95             | 2.82                | 2.32    | 4.95              | 8.61 | 5.65                     | 5.79             | 4.0             | 0.539 | 0.12      |
| 4             |    | 3.74           | 12.71         | 3.38             | 3.22                | 2.63    | 4.86              | 8.97 | 5.58                     | 5.75             | 8.7             | 0.545 | 0.12      |
| 5             | B  | 4.08           | 12.88         | 3.20             | 3.01                | 2.52    | 4.88              | 8.80 | 5.60                     | 5.79             | 13.7            | 0.550 | 0.11      |
| 6             |    | 4.67           | 13.71         | 3.64             | 3.43                | 2.88    | 4.65              | 9.04 | 5.40                     | 5.61             | 18.0            | 0.539 | 0.11      |
| 7             | AA | 3.19           | 12.24         | 3.43             | 3.26                | 2.68    | 4.87              | 9.04 | 5.61                     | 5.78             | 8.7             | 0.547 | 0.12      |
| 8             |    | 3.54           | 12.36         | 3.22             | 3.07                | 2.55    | 4.90              | 8.82 | 5.60                     | 5.75             | 10.8            | 0.540 | 0.11      |
| 9             |    | 3.73           | 12.70         | 3.28             | 3.10                | 2.57    | 4.96              | 8.97 | 5.69                     | 5.87             | 9.9             | 0.547 | 0.12      |
| 10            | BB | 3.94           | 12.60         | 3.03             | 2.87                | 2.39    | 4.93              | 8.66 | 5.63                     | 5.80             | 7.5             | 0.544 | 0.11      |
| 11            |    | 4.50           | 13.75         | 3.64             | 3.49                | 2.93    | 4.87              | 9.24 | 5.60                     | 5.75             | 5.6             | 0.548 | 0.12      |
| 12            |    | 5.56           | 13.83         | 2.84             | 2.70                | 2.27    | 4.78              | 8.28 | 5.44                     | 5.58             | 9.8             | 0.537 | 0.11      |
| Average 1-12  |    | 3.88           | 12.63         | 3.18             | 3.02                | 2.51    | 4.85              | 8.74 | 5.56                     | 5.72             | 9.1             | 0.543 | 0.12      |
|               |    |                |               |                  |                     |         |                   |      |                          |                  |                 |       |           |
| RSK           |    | 0.05           | 9.12          | 3.27             | 3.11                |         | 5.07              | 9.08 |                          |                  |                 |       |           |

All Results Are The Average Of At Least Duplicate Analysis.

*Bruce Kuechle, Business Unit Manager*

References:

SMEDP 15.8F, 15.12B, 15.10C

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

\*\*Calculations

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

Casein% = Total N Protein% - Non-Casein Nitrogen%

By Diff. Lactose% = Total Sol

SNF% = Total Solids% - Fat%

Other Solids% = Total Solids% - Fat% - Protein% (where Protein% is either Total N Protein or True Protein)

\*TA% = Titratable Acidity as Lactic Acid%