

平成28年度 第4回 生乳検査外部精度管理調査(成分)

- 標準値は全参加施設の測定値にスミルノフ・グラブス検定(参考資料③)を実施し、データクリーニングした後の平均値とした。^{注)}
注) 平均値は期日までに報告のあったデータより算出した。
- 標準法測定値(参考値)は公益財団法人日本乳業技術協会により以下の方法にて測定した。

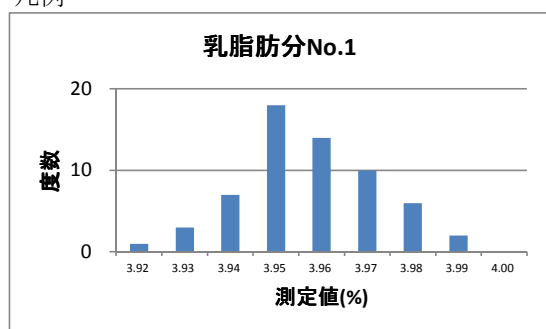
| | | | |
|--------|-----------|--------|------------|
| 乳脂肪分 | ゲルベル法 | 全乳固形分 | 常圧乾燥法 |
| たんぱく質分 | ケルダール法 | 無脂乳固形分 | 全乳固形分-乳脂肪分 |
| 乳糖分 | レイン・エイノン法 | | |
- 乳技協FT1測定値(参考値)は基本検量線"MILK"に対し、平成29年1月の校正乳を使用して新規に校正した検量線を用いて測定した。

(%)

| 区分 | 試料 | 乳脂肪分 | たんぱく質分 | 乳糖分 | 全乳固形分 | 無脂乳固形分 |
|------------------------|----|------|--------|------|-------|--------|
| 平均値※ (標準値) | 1 | 4.14 | 3.51 | 4.45 | 13.09 | 8.95 |
| | 2 | 3.80 | 3.40 | 4.48 | 12.67 | 8.88 |
| | 3 | 3.94 | 3.36 | 4.50 | 12.79 | 8.86 |
| 標準法 測定値 (参考値) | 1 | 4.11 | 3.50 | 4.43 | 13.10 | 8.99 |
| | 2 | 3.79 | 3.41 | 4.48 | 12.69 | 8.90 |
| | 3 | 3.93 | 3.36 | 4.48 | 12.80 | 8.87 |
| 乳技協 FT1測定値 (参考値) | 1 | 4.12 | 3.49 | 4.44 | 13.06 | 8.95 |
| | 2 | 3.76 | 3.40 | 4.47 | 12.64 | 8.87 |
| | 3 | 3.92 | 3.35 | 4.49 | 12.76 | 8.85 |

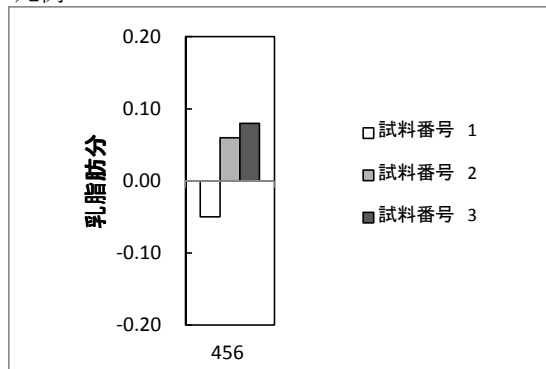
※生乳検査精度管理認証制度の認証基準値について
都府県の事業所における認証基準値は都府県平均、北海道の事業所における認証基準値は
マスターマシン測定値となっております。(上記標準値とは異なります)
認証基準値については一般社団法人Jミルクのホームページをご確認下さい。
(<http://www.j-milk.jp/gyokai/seidokanri/beroh000000cox.html>)

- ヒストグラムは全測定値の度数分布をグラフ化したものである。
- 凡例



- グラフは各参加施設の測定値と標準値との差(%)で示した。
- グラフの中央線は標準値(±0)を示し、上下の点線は以下の範囲を示している。
 乳脂肪分: ±0.05%
 無脂乳固形分: 標準法±0.04%、機器分析±0.07%
 全乳固形分: 標準法及びマイクロ波法±0.04%
 たんぱく質分: ±0.03%
 乳糖分: ±0.04%
※グラフにおける上下の点線は全国平均を標準値とした場合の基準線となっております。
生乳検査精度管理認証制度の評価については一般社団法人Jミルクにお問い合わせください。

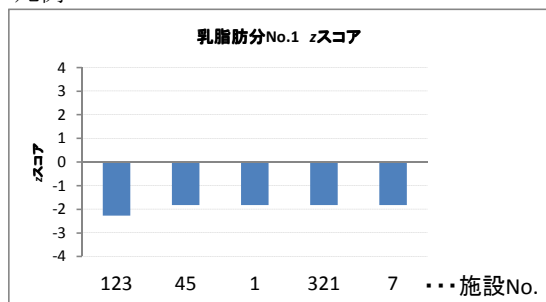
8. 凡例



9. zスコア（参考資料④）は各参加施設の報告値、データクリーニング後の平均値及び標準偏差を基に算出した絶対値が2を超えたものについては表の中で色を付けてある。

10. zスコアグラフはzスコアを昇順に並べ替え、グラフ化した。

11. 凡例



12. 測定値のばらつき (R) はR管理図（参考資料⑤）の考え方をを用いて算出した。R平均及び管理限界はデータクリーニング後の測定値を用いて算出した。管理限界を超えたものについては表の中で色を付けてある。

スマイルノフ・グラブス検定結果

試料1

| | 脂肪 | 除外数 | 蛋白質 | 除外数 | 乳糖 | 除外数 | TMS | 除外数 | SNF | 除外数 |
|--------------|------|-----|------|-----|------|-----|-------|-----|------|-----|
| データクリーニング前 | 4.14 | - | 3.51 | - | 4.45 | - | 13.09 | - | 8.95 | - |
| データクリーニング1回目 | 4.14 | 1 | 3.51 | 1 | 4.45 | 1 | 13.09 | 0 | 8.95 | 0 |
| データクリーニング2回目 | 4.14 | 0 | 3.51 | 0 | 4.45 | 1 | 13.09 | 0 | 8.95 | 0 |
| データクリーニング3回目 | 4.14 | 0 | 3.51 | 0 | 4.45 | 0 | 13.09 | 0 | 8.95 | 0 |
| データクリーニング4回目 | 4.14 | 0 | 3.51 | 0 | 4.45 | 0 | 13.09 | 0 | 8.95 | 0 |
| データクリーニング5回目 | 4.14 | 0 | 3.51 | 0 | 4.45 | 0 | 13.09 | 0 | 8.95 | 0 |
| 除外合計 | - | 1 | - | 1 | - | 2 | - | 0 | - | 0 |
| 提出データ | 4.14 | 98 | 3.51 | 71 | 4.45 | 64 | 13.09 | 95 | 8.95 | 98 |
| 有効データ | 4.14 | 97 | 3.51 | 70 | 4.45 | 62 | 13.09 | 95 | 8.95 | 98 |

スマイルノフ・グラブス検定

試料2

| | 脂肪 | 除外数 | 蛋白質 | 除外数 | 乳糖 | 除外数 | TMS | 除外数 | SNF | 除外数 |
|--------------|------|-----|------|-----|------|-----|-------|-----|------|-----|
| データクリーニング前 | 3.80 | - | 3.40 | - | 4.48 | - | 12.67 | - | 8.88 | - |
| データクリーニング1回目 | 3.80 | 1 | 3.40 | 0 | 4.48 | 1 | 12.67 | 0 | 8.88 | 1 |
| データクリーニング2回目 | 3.80 | 1 | 3.40 | 0 | 4.48 | 1 | 12.67 | 0 | 8.88 | 0 |
| データクリーニング3回目 | 3.80 | 0 | 3.40 | 0 | 4.48 | 0 | 12.67 | 0 | 8.88 | 0 |
| データクリーニング4回目 | 3.80 | 0 | 3.40 | 0 | 4.48 | 0 | 12.67 | 0 | 8.88 | 0 |
| データクリーニング5回目 | 3.80 | 0 | 3.40 | 0 | 4.48 | 0 | 12.67 | 0 | 8.88 | 0 |
| 除外合計 | - | 2 | - | 0 | - | 2 | - | 0 | - | 1 |
| 提出データ | 3.80 | 98 | 3.40 | 71 | 4.48 | 64 | 12.67 | 95 | 8.88 | 98 |
| 有効データ | 3.80 | 96 | 3.40 | 71 | 4.48 | 62 | 12.67 | 95 | 8.88 | 97 |

スマイルノフ・グラブス検定

試料3

| | 脂肪 | 除外数 | 蛋白質 | 除外数 | 乳糖 | 除外数 | TMS | 除外数 | SNF | 除外数 |
|--------------|------|-----|------|-----|------|-----|-------|-----|------|-----|
| データクリーニング前 | 3.94 | - | 3.36 | - | 4.50 | - | 12.79 | - | 8.86 | - |
| データクリーニング1回目 | 3.94 | 1 | 3.36 | 1 | 4.50 | 1 | 12.79 | 0 | 8.86 | 1 |
| データクリーニング2回目 | 3.94 | 0 | 3.36 | 0 | 4.50 | 0 | 12.79 | 0 | 8.86 | 1 |
| データクリーニング3回目 | 3.94 | 0 | 3.36 | 0 | 4.50 | 0 | 12.79 | 0 | 8.86 | 0 |
| データクリーニング4回目 | 3.94 | 0 | 3.36 | 0 | 4.50 | 0 | 12.79 | 0 | 8.86 | 0 |
| データクリーニング5回目 | 3.94 | 0 | 3.36 | 0 | 4.50 | 0 | 12.79 | 0 | 8.86 | 0 |
| 除外合計 | - | 1 | - | 1 | - | 1 | - | 0 | - | 2 |
| 提出データ | 3.94 | 98 | 3.36 | 71 | 4.50 | 64 | 12.79 | 95 | 8.86 | 98 |
| 有効データ | 3.94 | 97 | 3.36 | 70 | 4.50 | 63 | 12.79 | 95 | 8.86 | 96 |

平成28年度 第4回 生乳検査外部精度管理調査(成分)zスコア

| 番号 | zスコア | 試料1 | | | | | 試料2 | | | | | 試料3 | | | | | |
|----|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| | | 脂肪 | たんぱく | 乳糖 | TMS | SNF | 脂肪 | たんぱく | 乳糖 | TMS | SNF | 脂肪 | たんぱく | 乳糖 | TMS | SNF | |
| | | 標準値(%) | 4.14 | 3.51 | 4.45 | 13.09 | 8.95 | 3.80 | 3.40 | 4.48 | 12.67 | 8.88 | 3.94 | 3.36 | 4.50 | 12.79 | 8.86 |
| | | 標準偏差 | 0.023 | 0.019 | 0.019 | 0.045 | 0.039 | 0.024 | 0.016 | 0.017 | 0.039 | 0.028 | 0.022 | 0.018 | 0.017 | 0.037 | 0.028 |
| 1 | CF6500 | -2.174 | -2.105 | -0.526 | -2.000 | -1.026 | -0.833 | -2.500 | -0.588 | -1.282 | -1.429 | -1.818 | -2.222 | 0.000 | -1.622 | -1.071 | |
| 2 | CFFT+ | 0.435 | -1.053 | -0.526 | -0.444 | 0.000 | 0.833 | -1.250 | -0.588 | -1.538 | -1.429 | 0.455 | -1.111 | -0.588 | -1.081 | -0.714 | |
| 3 | FT120 | 0.870 | | | 0.444 | 0.000 | 1.667 | | | | 0.769 | -0.714 | 0.455 | | 0.270 | -0.357 | |
| 4 | CF6400 | 0.000 | 0.526 | -0.526 | 0.222 | 0.256 | 0.417 | 0.000 | -0.588 | 0.000 | -0.714 | 0.000 | -0.556 | -0.588 | -0.270 | -0.714 | |
| 5 | CFFT+ | -0.435 | -0.526 | -1.053 | 0.000 | 0.000 | 0.000 | -0.625 | -1.176 | -0.513 | -1.071 | -0.455 | -0.556 | -1.176 | -0.541 | -0.714 | |
| 6 | CF6400 | -0.870 | -0.526 | 0.000 | -0.667 | -0.256 | -0.417 | -0.625 | 0.000 | -0.513 | -0.714 | -0.909 | -0.556 | 0.000 | -0.541 | -0.357 | |
| 7 | FT120 | -0.870 | -1.053 | 0.000 | -0.667 | -0.256 | -0.833 | -0.625 | -0.588 | -0.769 | -0.714 | -0.455 | -0.556 | 0.000 | -0.811 | -1.071 | |
| 8 | FT120 | 0.000 | -1.579 | 0.000 | -0.222 | -0.256 | -0.833 | -0.625 | 1.176 | -0.513 | -0.357 | -0.455 | -2.778 | 1.176 | 0.000 | 0.000 | |
| 9 | FT1 | 1.304 | | | -0.222 | -1.026 | 0.000 | | | | -0.513 | -0.714 | 0.000 | | -0.811 | -1.429 | |
| 10 | LactoscopeFilter | 3.478 | -0.526 | 0.526 | 1.778 | 0.256 | -1.250 | -0.625 | 0.000 | -0.769 | -0.357 | 0.909 | 0.000 | 0.588 | 1.081 | 0.000 | |
| 11 | CFFT+ | -0.870 | -0.526 | 0.000 | -0.444 | 0.000 | -0.417 | 0.000 | 0.000 | -0.513 | -0.714 | -0.909 | -0.556 | 0.000 | -0.270 | 0.000 | |
| 12 | FT1 | -0.435 | | | | 0.769 | -1.667 | | | | 1.429 | -0.909 | | | | 0.714 | |
| 13 | FT6000 | 1.304 | -1.053 | 0.000 | 0.444 | -0.256 | 1.250 | -1.250 | 0.000 | 0.513 | -0.714 | 1.364 | -1.667 | 0.000 | 0.270 | -1.071 | |
| 14 | FT2 | 1.304 | -0.526 | 3.684 | 2.222 | 1.026 | 0.000 | 0.000 | 2.353 | 0.769 | 0.714 | 0.909 | -1.111 | 0.588 | 1.351 | 0.357 | |
| 15 | FT120 | 0.000 | | | -1.111 | 0.513 | -0.833 | | | -1.026 | -0.714 | 0.000 | | | -0.541 | 0.357 | |
| 16 | FT120 | 0.000 | 0.000 | 0.000 | -1.111 | 0.256 | -0.417 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | -0.556 | 0.588 | -0.270 | 0.000 | |
| 17 | CF6200 | 0.000 | 0.526 | -0.526 | 0.000 | 0.256 | 0.000 | 0.625 | -0.588 | 0.256 | 0.000 | -1.364 | 0.000 | -0.588 | -0.811 | -0.357 | |
| 18 | FT6300UWF | -0.435 | -0.526 | -0.526 | -0.444 | -0.256 | 0.417 | -0.625 | -1.176 | -0.256 | -1.071 | -0.455 | 0.000 | -0.588 | -0.270 | -0.357 | |
| 19 | CFFT+ | -0.435 | -0.526 | -1.053 | -0.889 | -0.513 | 0.000 | -0.625 | -1.176 | -0.256 | -1.071 | -0.455 | -0.556 | -0.588 | -0.541 | -0.714 | |
| 20 | CFFT+ | 0.000 | 0.000 | 0.000 | 0.222 | 0.256 | 0.417 | 0.000 | 0.000 | 0.513 | 0.000 | 0.000 | 0.000 | 0.588 | 0.541 | 0.357 | |
| 21 | FT120 | 0.870 | | | 1.778 | 1.282 | 0.000 | | | 1.282 | 1.429 | 0.909 | | | 1.351 | 0.714 | |
| 22 | FT1 | 0.870 | -1.053 | -0.526 | 0.667 | 0.256 | -0.417 | 0.000 | 0.000 | -1.538 | -2.143 | 0.000 | -0.556 | 0.000 | 0.270 | 0.000 | |
| 23 | FT1 | 0.000 | | | -0.667 | -0.769 | -0.417 | | | -0.256 | -0.357 | 0.455 | | | 0.000 | -0.714 | |
| 24 | FT1 | 0.000 | -1.579 | -1.579 | 0.444 | 0.513 | 0.000 | -0.625 | -1.765 | -0.256 | -0.714 | -0.455 | -1.111 | -1.176 | 0.000 | 0.000 | |
| 25 | FT120 | 0.870 | | | 0.000 | -0.513 | -0.417 | | | -0.513 | -1.071 | 0.000 | | | -0.811 | -1.429 | |
| 26 | FT1 | 0.435 | | | -0.222 | -0.513 | -0.417 | | | 0.000 | 0.000 | 0.455 | | | 0.000 | -1.071 | |
| 27 | S50 | -0.870 | | | 0.222 | 0.769 | 0.417 | | | 1.282 | 1.071 | 0.000 | | | 1.351 | 1.429 | |
| 28 | FT120 | 0.000 | | | -0.444 | -0.513 | -0.833 | | | 0.256 | 0.714 | -0.455 | | | -0.270 | 0.000 | |
| 29 | FT120 | 0.000 | | | -1.111 | -1.026 | -0.833 | | | -0.769 | -1.071 | -0.455 | | | -0.541 | -1.071 | |
| 30 | FT120 | 0.000 | -1.053 | 0.526 | -0.667 | -0.256 | -0.417 | 0.000 | 1.765 | 1.026 | 0.000 | 0.000 | 0.000 | 0.588 | 0.541 | 0.000 | |
| 31 | FT120 | 0.000 | | | -0.667 | -0.769 | -0.417 | | | -0.256 | -0.357 | 0.000 | | | -0.270 | -0.714 | |
| 32 | FT120 | 0.000 | 0.000 | -0.526 | -0.889 | 0.256 | -0.833 | 0.000 | -0.588 | -0.513 | -0.357 | -0.455 | 0.000 | 0.000 | -0.541 | 0.000 | |
| 33 | FT120 | 0.000 | -2.105 | 0.526 | -1.111 | -0.513 | -0.833 | -1.250 | 0.588 | -0.513 | -0.357 | 0.000 | -1.111 | 0.000 | -0.541 | -0.357 | |
| 34 | Minor | -0.870 | | | 2.000 | -0.513 | 2.083 | | | 2.051 | -0.357 | 0.000 | | | 1.351 | 0.000 | |
| 35 | Minor | 0.000 | -0.526 | 0.526 | 0.222 | 0.256 | 1.250 | 0.588 | 1.795 | 1.071 | 1.364 | 1.667 | 1.176 | 2.162 | 1.429 | | |
| 36 | DairySpecFT | 1.739 | 0.000 | 0.526 | 2.222 | 1.538 | -0.417 | 0.000 | 1.176 | -0.769 | -1.071 | 0.455 | 0.000 | 1.176 | 1.081 | 0.357 | |
| 37 | FT1 | 0.435 | | | | 1.026 | -0.833 | | | | 0.357 | 0.909 | | | | 0.714 | |
| 38 | FT120 | 0.000 | 1.053 | 0.526 | -0.444 | -0.769 | -1.667 | 0.625 | 0.000 | -0.513 | 0.357 | -0.455 | 0.000 | 0.588 | 0.000 | 0.000 | |
| 39 | Mars | 0.435 | 0.526 | | 0.444 | 1.026 | 0.417 | 0.625 | | 0.769 | -0.357 | 0.455 | 0.000 | | -0.270 | -1.071 | |
| 40 | Bentley150 | 0.000 | | | 2.000 | 2.308 | 1.667 | | | 1.026 | -0.357 | 0.455 | | | 2.432 | 2.857 | |
| 41 | FT1 | -0.870 | -1.053 | 1.053 | -0.222 | 0.256 | -0.417 | 0.000 | 0.588 | 0.256 | 0.357 | -0.455 | -0.556 | 0.588 | 0.000 | 0.000 | |
| 42 | FT1 | 2.174 | 1.579 | 2.632 | 2.889 | 2.564 | 0.833 | 1.250 | 2.941 | 1.795 | 1.429 | 1.818 | 1.667 | 2.353 | 2.973 | 14.643 | |
| 43 | FT120 | 0.870 | -0.526 | -1.053 | 0.000 | -0.513 | 0.000 | 0.000 | 0.000 | 0.513 | 0.357 | 0.909 | 0.000 | 0.000 | 0.541 | -0.357 | |
| 44 | Bentley150 | 1.304 | 2.105 | 2.105 | 2.444 | 1.795 | 1.667 | 0.625 | 2.353 | 1.795 | 0.714 | 1.364 | 0.556 | 2.941 | 2.973 | 2.500 | |
| 45 | FT2 | 0.000 | 0.000 | 0.000 | 0.222 | 0.513 | -0.833 | 0.625 | 0.000 | -0.769 | 0.357 | -0.455 | 0.000 | 0.000 | -0.270 | 0.000 | |
| 46 | CF5200 | 0.435 | 0.000 | 1.579 | 1.111 | 1.026 | 1.250 | 0.625 | 1.176 | 1.795 | 1.071 | 1.364 | 0.556 | 1.765 | 2.162 | 1.429 | |
| 47 | FT120 | -2.174 | -0.526 | | -2.000 | -1.026 | -1.667 | 0.000 | | -1.795 | -1.786 | -1.364 | 0.000 | | -1.622 | -1.786 | |
| 48 | FT2 | 0.435 | 1.053 | 1.053 | -0.889 | -0.256 | -0.833 | 1.875 | 0.588 | -0.256 | 0.000 | -0.455 | 1.111 | 1.765 | -0.811 | -1.071 | |
| 49 | FT1 | 0.870 | 0.000 | -1.053 | -0.889 | -1.538 | -0.417 | -0.625 | 0.000 | 0.000 | -0.357 | 0.909 | -0.556 | 0.588 | 0.000 | -1.071 | |
| 50 | FT120 | -0.435 | | | -0.667 | -0.769 | -0.417 | | | -0.769 | -1.071 | -0.455 | | | -1.081 | -1.429 | |
| 51 | S50 | 0.000 | 0.526 | | 1.111 | 1.282 | 0.000 | 1.250 | | 1.282 | 1.071 | -0.909 | 1.667 | | 1.081 | 1.786 | |
| 52 | CF6400 | -0.435 | -0.526 | 0.526 | 0.000 | 0.256 | 0.000 | -0.625 | 0.588 | 0.000 | 0.000 | -0.909 | -0.556 | 0.588 | -0.270 | 0.000 | |
| 53 | FT2 | -1.304 | | | -1.111 | 0.256 | -1.667 | | | -0.513 | 0.000 | -1.364 | | | -1.081 | 0.000 | |
| 54 | FT2 | -0.435 | 1.579 | 2.632 | 0.444 | 0.769 | 0.000 | -0.625 | -1.765 | 0.769 | 0.714 | 0.000 | 2.222 | 2.941 | 1.081 | 1.071 | |
| 55 | FT120 | 0.000 | 2.105 | -0.526 | -0.889 | -1.026 | -0.833 | 1.875 | -1.176 | -0.513 | -0.357 | -0.909 | 1.667 | -1.765 | -0.541 | -0.357 | |
| 56 | FT120 | -1.304 | -0.526 | -0.526 | -0.889 | 0.256 | -1.667 | 0.000 | 0.000 | -0.513 | 0.000 | -4.091 | 0.000 | 0.588 | -1.892 | 0.357 | |
| 57 | FT120 | 0.435 | 0.000 | -0.526 | 0.222 | 0.256 | 0.000 | 1.250 | -0.588 | 0.513 | 0.357 | 0.455 | 0.000 | -0.588 | -0.270 | -0.714 | |
| 58 | LactoscopeFTIR | -1.304 | 0.000 | 0.526 | 0.889 | 0.000 | -0.417 | -0.625 | -0.588 | -1.282 | -0.714 | -0.909 | 0.000 | -0.588 | 0.541 | 0.000 | |
| 59 | FT6000 | 0.000 | 0.000 | -0.526 | 0.000 | 0.000 | 0.000 | -0.625 | -1.176 | -0.513 | -1.071 | -0.455 | -0.556 | -1.176 | -0.541 | -0.714 | |

平成28年度 第4回 生乳検査外部精度管理調査(成分)zスコア

| 番号 | zスコア | 試料1 | | | | | 試料2 | | | | | 試料3 | | | | |
|-----|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | 脂肪 | タンパク | 乳糖 | TMS | SNF | 脂肪 | タンパク | 乳糖 | TMS | SNF | 脂肪 | タンパク | 乳糖 | TMS | SNF |
| | | 標準値(%) | 4.14 | 3.51 | 4.45 | 13.09 | 8.95 | 3.80 | 3.40 | 4.48 | 12.67 | 8.88 | 3.94 | 3.36 | 4.50 | 12.79 |
| | 標準偏差 | 0.023 | 0.019 | 0.019 | 0.045 | 0.039 | 0.024 | 0.016 | 0.017 | 0.039 | 0.028 | 0.022 | 0.018 | 0.017 | 0.037 | 0.028 |
| 60 | G・TMSC | -1.739 | | | 1.333 | 2.564 | -2.083 | | | 1.795 | 3.929 | -1.818 | | | 0.541 | 1.786 |
| 61 | FT2 | 0.435 | 1.053 | -1.579 | 0.222 | 1.538 | -0.417 | 1.875 | -1.765 | 0.000 | 2.500 | -0.909 | 1.111 | -1.176 | 0.811 | 1.429 |
| 62 | FT1 | -3.043 | -2.105 | 0.000 | -1.111 | 0.513 | -4.167 | -1.250 | 0.000 | -1.282 | -0.357 | -3.182 | -1.111 | 0.000 | -0.541 | 0.714 |
| 63 | MInor | -1.304 | -4.211 | -2.632 | -0.444 | -2.564 | 2.917 | 0.000 | -2.353 | 1.538 | -1.071 | 2.273 | -0.556 | -1.176 | 0.811 | -1.786 |
| 64 | FT120 | -0.435 | -1.053 | -1.053 | -0.889 | -0.769 | -1.250 | -1.250 | -1.176 | -1.538 | -1.429 | -0.909 | -2.222 | -0.588 | -1.351 | -1.786 |
| 65 | FT120 | 0.000 | | | 0.000 | -0.256 | 0.000 | | | 0.513 | 0.357 | 0.909 | | | 0.541 | -0.357 |
| 66 | FT120 | 0.000 | -0.526 | -1.053 | 0.222 | 0.769 | -1.250 | -0.625 | 0.000 | 1.026 | 0.000 | -0.909 | 0.000 | -0.588 | -0.541 | 0.357 |
| 67 | FT2 | 0.870 | 0.526 | 0.000 | 0.889 | 1.026 | -1.250 | 1.250 | 0.000 | 0.000 | 1.071 | -1.364 | 0.556 | 0.588 | -0.270 | 1.429 |
| 68 | Minor | 0.870 | -1.053 | -1.053 | 0.222 | -0.513 | 2.917 | 0.000 | -0.588 | 1.538 | -0.357 | 0.909 | 0.000 | -1.176 | 0.270 | -0.714 |
| 69 | FT120 | 0.000 | -0.526 | 0.000 | 2.000 | 1.026 | 0.000 | 0.000 | 0.000 | 2.821 | 1.071 | 0.455 | -0.556 | 0.000 | 1.892 | 0.714 |
| 70 | FT120 | 0.435 | | | -0.222 | -0.513 | -0.417 | | | 0.513 | 0.714 | 0.455 | | | 0.541 | 0.000 |
| 71 | FT120 | 0.435 | 0.526 | 0.526 | -0.444 | -0.769 | -0.417 | 0.625 | 1.176 | 0.769 | 1.071 | 0.000 | 0.000 | 2.353 | 0.541 | 0.357 |
| 72 | FT120 | 0.870 | 2.105 | -0.526 | -0.222 | -0.769 | -0.833 | 2.500 | -1.176 | 0.513 | 1.071 | 0.455 | 2.222 | -0.588 | 0.541 | 0.000 |
| 73 | Mars | -1.304 | 0.000 | 2.632 | 0.222 | 1.282 | -0.417 | -0.625 | 4.706 | 1.795 | 2.500 | -0.909 | 0.000 | 1.765 | 0.541 | 1.071 |
| 74 | S50 | 2.609 | | | 0.222 | -1.282 | 2.500 | | | 1.282 | -0.714 | 1.818 | | | 0.811 | -1.071 |
| 75 | G・SS | 1.739 | | | -0.222 | -1.282 | 0.000 | | | -0.256 | -0.714 | -0.455 | | | -0.541 | -1.071 |
| 76 | FT1 | -0.435 | 0.526 | 0.526 | 1.333 | 1.795 | 0.417 | 1.250 | 0.000 | 0.000 | -0.714 | -0.455 | 0.556 | 0.588 | 0.811 | 1.071 |
| 77 | FT1 | -0.870 | -1.579 | | 1.111 | 1.795 | -0.833 | -0.625 | | 1.538 | 2.500 | -1.364 | -1.667 | | 1.351 | 2.143 |
| 78 | FT120 | 0.435 | | | -0.889 | -1.282 | -0.417 | | | -0.769 | -1.071 | 0.000 | | | -0.811 | -1.429 |
| 79 | FT120 | 1.304 | 0.526 | 1.579 | 0.222 | -0.256 | -0.417 | 1.250 | 1.176 | 0.000 | 0.000 | 0.455 | 1.111 | 1.765 | 0.270 | -0.357 |
| 80 | FT120 | 0.870 | 0.000 | 1.053 | 0.667 | 0.256 | 0.000 | 1.250 | 1.176 | 0.769 | 0.714 | 0.455 | 1.111 | 1.765 | 0.811 | 0.357 |
| 81 | S50 | 1.304 | 1.579 | | 1.111 | 0.513 | 3.333 | 1.875 | | 2.308 | 0.000 | 2.727 | 1.667 | | 2.432 | 0.357 |
| 82 | FT2 | 0.435 | -0.526 | 0.000 | -0.444 | 0.000 | -0.417 | 0.000 | 0.000 | -0.256 | -0.714 | -0.909 | 0.000 | 0.000 | -1.081 | -0.714 |
| 83 | S50 | -1.304 | 1.053 | -0.526 | -0.444 | 0.256 | -0.417 | 0.000 | -0.588 | 0.256 | 0.357 | -1.364 | -0.556 | 0.000 | -0.270 | 0.357 |
| 84 | LactoscopeFTIR | -0.870 | 0.526 | | 0.000 | 0.513 | -0.417 | 0.000 | | -1.282 | -1.786 | -0.909 | 0.556 | | 0.270 | 0.357 |
| 85 | Mars | -0.870 | | | -1.111 | -0.769 | 0.417 | | | 0.256 | -0.714 | -0.909 | | | -1.351 | -1.429 |
| 86 | FT1 | 0.000 | 2.105 | 0.526 | 1.556 | 1.026 | 0.417 | 2.500 | -0.588 | 0.769 | -1.071 | -0.909 | 3.333 | -0.588 | 1.622 | 1.071 |
| 87 | FT120 | -0.870 | -0.526 | -1.053 | -1.778 | -0.513 | -0.833 | -0.625 | 0.000 | -0.513 | -0.714 | -0.455 | -1.111 | 0.000 | -1.081 | -0.714 |
| 88 | FT120 | 0.000 | 0.526 | -0.526 | 0.444 | 0.256 | -0.417 | 0.625 | -0.588 | -0.256 | -0.357 | 0.000 | 0.000 | 0.000 | 0.270 | 0.000 |
| 89 | LactoscopeFilter | -0.435 | -1.053 | 0.000 | -0.444 | -0.256 | -2.083 | -1.875 | -0.588 | -2.308 | -1.429 | -0.909 | -1.111 | 0.000 | -1.081 | -0.714 |
| 90 | FT120 | 0.435 | -0.526 | 1.053 | 0.444 | 0.513 | -0.417 | 0.625 | 0.588 | 0.513 | 0.714 | 0.000 | 0.556 | 1.176 | 0.811 | 1.071 |
| 91 | G・SS | 1.739 | | | -0.667 | -2.051 | -0.833 | | | -1.026 | -1.071 | 2.727 | | | -1.351 | -4.286 |
| 92 | FT1 | -0.870 | -0.526 | 0.000 | 0.667 | -0.513 | -0.417 | 0.000 | 0.588 | 0.256 | -2.857 | -0.455 | -0.556 | 0.000 | 1.081 | -1.429 |
| 93 | S50 | -1.304 | 0.000 | | 0.000 | 0.769 | -0.417 | 0.000 | | 0.000 | 0.714 | -1.364 | 0.000 | 0.000 | 1.429 | |
| 94 | FT2 | 1.304 | 0.000 | 0.526 | 0.444 | 1.538 | 0.417 | 1.875 | 0.000 | 0.769 | 1.786 | 0.909 | 0.556 | 0.588 | 0.270 | 2.143 |
| 95 | — | | | | | | | | | | | | | | | |
| 96 | — | | | | | | | | | | | | | | | |
| 97 | — | | | | | | | | | | | | | | | |
| 98 | — | | | | | | | | | | | | | | | |
| 99 | FT6000 | 1.739 | 0.000 | 0.000 | -0.444 | -1.538 | 2.083 | -0.625 | 0.588 | 0.000 | -2.143 | 1.364 | -0.556 | 0.000 | 0.000 | -1.429 |
| 100 | FT1 | -0.435 | -0.526 | -6.842 | -1.556 | -2.308 | -0.833 | 0.000 | -7.647 | -0.513 | 0.000 | 0.000 | -0.556 | -7.647 | -0.541 | -1.071 |
| 101 | FT120 | 0.000 | 0.000 | -0.526 | -0.889 | -1.026 | -0.417 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.588 | 0.000 | -0.357 |
| 102 | — | | | | | | | | | | | | | | | |
| 103 | G・常 | -1.739 | | | 0.222 | 1.282 | -1.250 | | | 0.769 | 1.786 | 0.000 | | | 0.541 | 0.000 |
| 104 | — | | | | | | | | | | | | | | | |
| 105 | — | | | | | | | | | | | | | | | |
| 106 | LactoscopeFTIR・G | -2.174 | | | | 0.256 | 0.417 | | | | 1.429 | -0.909 | | | | 0.357 |

記号説明

- G ゲルベル法
- SS スマートシステム
- 常 常圧乾燥法

平成28年度 第4回 生乳検査外部精度管理調査(成分)結果

| 番号 | R管理 | 試料1 | | | | | 試料2 | | | | | 試料3 | | | | |
|----|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | 脂肪 | たんぱく | 乳糖 | TMS | SNF | 脂肪 | たんぱく | 乳糖 | TMS | SNF | 脂肪 | たんぱく | 乳糖 | TMS | SNF |
| | | R平均 | 0.010 | 0.007 | 0.010 | 0.017 | 0.014 | 0.009 | 0.007 | 0.007 | 0.014 | 0.012 | 0.008 | 0.008 | 0.009 | 0.013 |
| | 管理限界 | 0.025 | 0.019 | 0.026 | 0.044 | 0.035 | 0.023 | 0.018 | 0.018 | 0.035 | 0.030 | 0.021 | 0.021 | 0.023 | 0.033 | 0.028 |
| 1 | CF6500 | 0.000 | 0.000 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.000 | 0.010 | 0.000 | 0.000 | 0.010 | 0.000 | 0.010 | 0.010 |
| 2 | CFFT+ | 0.000 | 0.000 | 0.000 | 0.010 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 3 | FT120 | 0.020 | | | 0.040 | 0.030 | 0.050 | | | 0.030 | 0.030 | 0.050 | | | 0.060 | 0.020 |
| 4 | CF6400 | 0.010 | 0.020 | 0.010 | 0.020 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.010 | 0.020 | 0.010 | 0.010 |
| 5 | CFFT+ | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.000 | 0.000 | 0.010 | 0.000 | 0.000 | 0.000 | 0.010 | 0.010 | 0.010 |
| 6 | CF6400 | 0.000 | 0.010 | 0.010 | 0.010 | 0.010 | 0.000 | 0.010 | 0.010 | 0.010 | 0.010 | 0.000 | 0.010 | 0.000 | 0.010 | 0.010 |
| 7 | FT120 | 0.010 | 0.000 | 0.010 | 0.020 | 0.020 | 0.010 | 0.010 | 0.010 | 0.000 | 0.010 | 0.000 | 0.000 | 0.010 | 0.010 | 0.010 |
| 8 | FT120 | 0.000 | 0.010 | 0.000 | 0.000 | 0.000 | 0.010 | 0.010 | 0.000 | 0.010 | 0.000 | 0.000 | 0.010 | 0.000 | 0.000 | 0.000 |
| 9 | FT1 | 0.010 | | | 0.010 | 0.020 | 0.010 | | | 0.010 | 0.020 | 0.010 | | | 0.000 | 0.010 |
| 10 | LactoscopeFilter | 0.010 | 0.010 | 0.000 | 0.010 | 0.010 | 0.010 | 0.010 | 0.000 | 0.020 | 0.010 | 0.010 | 0.000 | 0.000 | 0.020 | 0.010 |
| 11 | CFFT+ | 0.000 | 0.000 | 0.010 | 0.000 | 0.000 | 0.000 | 0.010 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.010 | 0.010 | 0.010 |
| 12 | FT1 | 0.000 | | | | 0.000 | 0.000 | | | | 0.000 | 0.000 | | | | 0.000 |
| 13 | FT6000 | 0.000 | 0.000 | 0.010 | 0.010 | 0.010 | 0.000 | 0.010 | 0.000 | 0.010 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 14 | FT2 | 0.010 | 0.010 | 0.000 | 0.020 | 0.010 | 0.010 | 0.010 | 0.000 | 0.020 | 0.010 | 0.010 | 0.010 | 0.000 | 0.000 | 0.020 |
| 15 | FT120 | 0.010 | | | 0.030 | 0.030 | 0.020 | | | 0.010 | 0.030 | 0.020 | | | 0.020 | 0.010 |
| 16 | FT120 | 0.010 | 0.010 | 0.020 | 0.030 | 0.030 | 0.010 | 0.000 | 0.020 | 0.020 | 0.020 | 0.010 | 0.030 | 0.020 | 0.010 | 0.000 |
| 17 | CF6200 | 0.010 | 0.010 | 0.000 | 0.020 | 0.010 | 0.000 | 0.010 | 0.000 | 0.010 | 0.010 | 0.010 | 0.010 | 0.000 | 0.000 | 0.000 |
| 18 | FT6300UWF | 0.000 | 0.000 | 0.010 | 0.010 | 0.010 | 0.000 | 0.000 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.000 | 0.020 | 0.010 |
| 19 | CFFT+ | 0.010 | 0.010 | 0.000 | 0.010 | 0.010 | 0.010 | 0.000 | 0.010 | 0.020 | 0.010 | 0.000 | 0.000 | 0.010 | 0.010 | 0.010 |
| 20 | CFFT+ | 0.010 | 0.010 | 0.010 | 0.030 | 0.020 | 0.000 | 0.000 | 0.010 | 0.000 | 0.000 | 0.000 | 0.010 | 0.010 | 0.010 | 0.010 |
| 21 | FT120 | 0.010 | | | 0.020 | 0.030 | 0.000 | | | 0.010 | 0.010 | 0.000 | | | 0.010 | 0.010 |
| 22 | FT1 | 0.030 | 0.010 | 0.020 | 0.030 | 0.000 | 0.000 | 0.010 | 0.010 | 0.010 | 0.010 | 0.000 | 0.010 | 0.010 | 0.010 | 0.010 |
| 23 | FT1 | 0.010 | | | 0.030 | 0.040 | 0.010 | | | 0.010 | 0.020 | 0.000 | | | 0.020 | 0.020 |
| 24 | FT1 | 0.000 | 0.010 | 0.020 | 0.010 | 0.010 | 0.000 | 0.010 | 0.020 | 0.010 | 0.010 | 0.010 | 0.000 | 0.010 | 0.020 | 0.010 |
| 25 | FT120 | 0.010 | | | 0.010 | 0.000 | 0.010 | | | 0.010 | 0.020 | 0.000 | | | 0.010 | 0.010 |
| 26 | FT1 | 0.000 | | | 0.010 | 0.010 | 0.010 | | | 0.010 | 0.020 | 0.010 | | | 0.010 | 0.020 |
| 27 | S50 | 0.020 | | | 0.020 | 0.020 | 0.010 | | | 0.000 | 0.010 | 0.010 | | | 0.020 | 0.010 |
| 28 | FT120 | 0.010 | | | 0.030 | 0.020 | 0.010 | | | 0.010 | 0.000 | 0.010 | | | 0.030 | 0.020 |
| 29 | FT120 | 0.010 | | | 0.010 | 0.020 | 0.000 | | | 0.020 | 0.020 | 0.010 | | | 0.010 | 0.010 |
| 30 | FT120 | 0.010 | 0.000 | 0.010 | 0.020 | 0.010 | 0.010 | 0.010 | 0.000 | 0.010 | 0.010 | 0.000 | 0.000 | 0.010 | 0.000 | 0.010 |
| 31 | FT120 | 0.010 | | | 0.020 | 0.010 | 0.010 | | | 0.020 | 0.020 | 0.000 | | | 0.020 | 0.020 |
| 32 | FT120 | 0.020 | 0.020 | 0.020 | 0.020 | 0.010 | 0.000 | 0.000 | 0.010 | 0.010 | 0.010 | 0.000 | 0.010 | 0.010 | 0.000 | 0.000 |
| 33 | FT120 | 0.010 | 0.010 | 0.020 | 0.010 | 0.020 | 0.010 | 0.000 | 0.020 | 0.000 | 0.020 | 0.000 | 0.010 | 0.010 | 0.000 | 0.000 |
| 34 | Minor | 0.020 | | | 0.030 | 0.010 | 0.030 | | | 0.040 | 0.040 | 0.030 | | | 0.040 | 0.020 |
| 35 | Minor | 0.000 | 0.010 | 0.000 | 0.010 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.010 | 0.010 | 0.020 | 0.020 |
| 36 | DairySpecFT | 0.010 | 0.000 | 0.000 | 0.020 | 0.030 | 0.020 | 0.010 | 0.010 | 0.030 | 0.010 | 0.010 | 0.010 | 0.010 | 0.040 | 0.030 |
| 37 | FT1 | 0.000 | | | | 0.000 | 0.000 | | | | 0.000 | 0.000 | | | | 0.000 |
| 38 | FT120 | 0.010 | 0.000 | 0.000 | 0.010 | 0.010 | 0.010 | 0.000 | 0.000 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 39 | Mars | 0.010 | 0.000 | | 0.050 | 0.020 | 0.010 | 0.040 | | 0.030 | 0.010 | 0.000 | 0.020 | | 0.020 | 0.010 |
| 40 | Bentley150 | 0.000 | | | 0.010 | 0.010 | 0.010 | | | 0.020 | 0.010 | 0.010 | | | 0.020 | 0.010 |
| 41 | FT1 | 0.010 | 0.000 | 0.010 | 0.000 | 0.000 | 0.010 | 0.000 | 0.000 | 0.010 | 0.020 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 |
| 42 | FT1 | 0.040 | 0.010 | 0.020 | 0.050 | 0.030 | 0.020 | 0.030 | 0.010 | 0.040 | 0.010 | 0.010 | 0.010 | 0.020 | 0.010 | 1.010 |
| 43 | FT120 | 0.010 | 0.010 | 0.010 | 0.020 | 0.010 | 0.000 | 0.010 | 0.000 | 0.010 | 0.010 | 0.000 | 0.010 | 0.000 | 0.010 | 0.010 |
| 44 | Bentley150 | 0.010 | 0.050 | 0.000 | 0.010 | 0.010 | 0.040 | 0.010 | 0.010 | 0.040 | 0.000 | 0.020 | 0.010 | 0.000 | 0.010 | 0.020 |
| 45 | FT2 | 0.010 | 0.000 | 0.000 | 0.040 | 0.030 | 0.000 | 0.010 | 0.000 | 0.010 | 0.030 | 0.020 | 0.010 | 0.010 | 0.010 | 0.000 |
| 46 | CF5200 | 0.000 | 0.010 | 0.000 | 0.000 | 0.000 | 0.010 | 0.010 | 0.000 | 0.010 | 0.000 | 0.020 | 0.000 | 0.010 | 0.030 | 0.010 |
| 47 | FT120 | 0.010 | 0.000 | | 0.010 | 0.000 | 0.010 | 0.010 | | 0.010 | 0.010 | 0.030 | 0.020 | 0.010 | 0.010 | 0.020 |
| 48 | FT2 | 0.010 | 0.020 | 0.030 | 0.010 | 0.010 | 0.000 | 0.020 | 0.020 | 0.020 | 0.020 | 0.010 | 0.010 | 0.020 | 0.010 | 0.010 |
| 49 | FT1 | 0.010 | 0.000 | 0.010 | 0.010 | 0.000 | 0.010 | 0.010 | 0.030 | 0.030 | 0.030 | 0.000 | 0.010 | 0.010 | 0.000 | 0.000 |
| 50 | FT120 | 0.010 | | | 0.010 | 0.010 | 0.000 | | | 0.000 | 0.000 | 0.000 | | | 0.010 | 0.010 |
| 51 | S50 | 0.010 | 0.000 | | 0.010 | 0.000 | 0.010 | 0.000 | | 0.010 | 0.000 | 0.010 | 0.000 | | 0.000 | 0.000 |
| 52 | CF6400 | 0.010 | 0.000 | 0.010 | 0.020 | 0.010 | 0.010 | 0.010 | 0.000 | 0.020 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.000 |
| 53 | FT2 | 0.000 | | | 0.000 | 0.000 | 0.000 | | | 0.000 | 0.000 | 0.000 | | | 0.000 | 0.000 |
| 54 | FT2 | 0.010 | 0.010 | 0.010 | 0.000 | 0.010 | 0.020 | 0.010 | 0.010 | 0.020 | 0.030 | 0.000 | 0.000 | 0.010 | 0.000 | 0.000 |
| 55 | FT120 | 0.000 | 0.020 | 0.000 | 0.010 | 0.010 | 0.000 | 0.010 | 0.000 | 0.000 | 0.000 | 0.010 | 0.010 | 0.010 | 0.000 | 0.010 |

平成28年度 第4回 生乳検査外部精度管理調査(成分)結果

| 番号 | R管理 | 試料1 | | | | | 試料2 | | | | | 試料3 | | | | |
|------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | 脂肪 | たんぱく | 乳糖 | TMS | SNF | 脂肪 | たんぱく | 乳糖 | TMS | SNF | 脂肪 | たんぱく | 乳糖 | TMS | SNF |
| | R平均 | 0.010 | 0.007 | 0.010 | 0.017 | 0.014 | 0.009 | 0.007 | 0.007 | 0.014 | 0.012 | 0.008 | 0.008 | 0.009 | 0.013 | 0.011 |
| 管理限界 | 0.025 | 0.019 | 0.026 | 0.044 | 0.035 | 0.023 | 0.018 | 0.018 | 0.035 | 0.030 | 0.021 | 0.021 | 0.023 | 0.033 | 0.028 | |
| 56 | FT120 | 0.010 | 0.000 | 0.030 | 0.020 | 0.010 | 0.000 | 0.000 | 0.000 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.020 | 0.010 |
| 57 | FT120 | 0.010 | 0.000 | 0.000 | 0.020 | 0.010 | 0.010 | 0.010 | 0.000 | 0.000 | 0.010 | 0.000 | 0.000 | 0.010 | 0.000 | 0.000 |
| 58 | LactoscopeFTIR | 0.000 | 0.020 | 0.020 | 0.020 | 0.040 | 0.010 | 0.010 | 0.010 | 0.010 | 0.000 | 0.010 | 0.010 | 0.000 | 0.010 | 0.020 |
| 59 | FT6000 | 0.000 | 0.000 | 0.010 | 0.010 | 0.010 | 0.000 | 0.000 | 0.010 | 0.010 | 0.010 | 0.000 | 0.010 | 0.010 | 0.010 | 0.010 |
| 60 | G・TMSC | 0.000 | | | 0.010 | 0.010 | 0.000 | | | 0.000 | 0.000 | 0.000 | | | 0.010 | 0.010 |
| 61 | FT2 | 0.010 | 0.000 | 0.020 | 0.010 | 0.020 | 0.000 | 0.010 | 0.010 | 0.010 | 0.000 | 0.010 | 0.010 | 0.000 | 0.000 | 0.010 |
| 62 | FT1 | 0.030 | 0.010 | 0.010 | 0.040 | 0.010 | 0.020 | 0.000 | 0.020 | 0.030 | 0.010 | 0.020 | 0.010 | 0.020 | 0.030 | 0.020 |
| 63 | MInor | 0.020 | 0.020 | 0.010 | 0.020 | 0.020 | 0.010 | 0.000 | 0.010 | 0.010 | 0.010 | 0.030 | 0.010 | 0.010 | 0.050 | 0.010 |
| 64 | FT120 | 0.000 | 0.000 | 0.010 | 0.010 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.010 | 0.000 | 0.010 | 0.010 |
| 65 | FT120 | 0.010 | | | 0.010 | 0.020 | 0.010 | | | 0.010 | 0.000 | 0.010 | | | 0.010 | 0.000 |
| 66 | FT120 | 0.000 | 0.010 | 0.020 | 0.040 | 0.020 | 0.010 | 0.010 | 0.020 | 0.020 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.020 |
| 67 | FT2 | 0.000 | 0.000 | 0.000 | 0.010 | 0.010 | 0.010 | 0.000 | 0.010 | 0.020 | 0.000 | 0.030 | 0.000 | 0.010 | 0.020 | 0.020 |
| 68 | Minor | 0.010 | 0.010 | 0.010 | 0.020 | 0.010 | 0.010 | 0.010 | 0.010 | 0.020 | 0.010 | 0.000 | 0.000 | 0.000 | 0.010 | 0.010 |
| 69 | FT120 | 0.020 | 0.000 | 0.000 | 0.030 | 0.020 | 0.010 | 0.000 | 0.020 | 0.040 | 0.020 | 0.010 | 0.000 | 0.020 | 0.020 | 0.000 |
| 70 | FT120 | 0.010 | | | 0.010 | 0.000 | 0.010 | | | 0.000 | 0.010 | 0.000 | | | 0.010 | 0.010 |
| 71 | FT120 | 0.010 | 0.000 | 0.020 | 0.010 | 0.010 | 0.010 | 0.000 | 0.010 | 0.010 | 0.000 | 0.000 | 0.000 | 0.020 | 0.020 | 0.020 |
| 72 | FT120 | 0.000 | 0.020 | 0.010 | 0.030 | 0.030 | 0.010 | 0.010 | 0.010 | 0.020 | 0.030 | 0.000 | 0.010 | 0.020 | 0.020 | 0.020 |
| 73 | Mars | 0.010 | 0.030 | 0.020 | 0.020 | 0.030 | 0.020 | 0.000 | 0.020 | 0.030 | 0.020 | 0.000 | 0.020 | 0.040 | 0.030 | 0.030 |
| 74 | S50 | 0.010 | | | 0.010 | 0.000 | 0.000 | | | 0.010 | 0.010 | 0.010 | | | 0.010 | 0.010 |
| 75 | G・SS | 0.050 | | | 0.030 | 0.020 | 0.000 | | | 0.040 | 0.040 | 0.050 | | | 0.040 | 0.060 |
| 76 | FT1 | 0.010 | 0.000 | 0.010 | 0.000 | 0.010 | 0.000 | 0.010 | 0.000 | 0.010 | 0.010 | 0.010 | 0.010 | 0.020 | 0.030 | 0.020 |
| 77 | FT1 | 0.000 | 0.010 | | 0.030 | 0.030 | 0.020 | 0.010 | | 0.020 | 0.000 | 0.010 | 0.020 | | 0.010 | 0.020 |
| 78 | FT120 | 0.000 | | | 0.000 | 0.000 | 0.000 | | | 0.000 | 0.000 | 0.000 | | | 0.000 | 0.000 |
| 79 | FT120 | 0.010 | 0.010 | 0.010 | 0.020 | 0.010 | 0.010 | 0.010 | 0.010 | 0.030 | 0.020 | 0.010 | 0.010 | 0.010 | 0.030 | 0.020 |
| 80 | FT120 | 0.030 | 0.010 | 0.010 | 0.020 | 0.030 | 0.010 | 0.010 | 0.010 | 0.030 | 0.020 | 0.020 | 0.010 | 0.010 | 0.010 | 0.010 |
| 81 | S50 | 0.000 | 0.010 | | 0.020 | 0.020 | 0.020 | 0.010 | | 0.020 | 0.030 | 0.020 | 0.010 | | 0.010 | 0.010 |
| 82 | FT2 | 0.000 | 0.010 | 0.020 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.020 | 0.020 | 0.020 | 0.010 | 0.010 | 0.020 | 0.020 |
| 83 | S50 | 0.020 | 0.010 | 0.020 | 0.030 | 0.020 | 0.000 | 0.000 | 0.000 | 0.010 | 0.010 | 0.010 | 0.000 | 0.000 | 0.010 | 0.000 |
| 84 | LactoscopeFTIR | 0.000 | 0.000 | | 0.000 | 0.000 | 0.000 | 0.000 | | 0.010 | 0.010 | 0.010 | 0.010 | | 0.010 | 0.020 |
| 85 | Mars | 0.000 | | | 0.010 | 0.000 | 0.010 | | | 0.030 | 0.020 | 0.020 | | | 0.040 | 0.030 |
| 86 | FT1 | 0.010 | 0.000 | 0.000 | 0.010 | 0.010 | 0.010 | 0.000 | 0.000 | 0.000 | 0.010 | 0.010 | 0.010 | 0.000 | 0.000 | 0.000 |
| 87 | FT120 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.020 | 0.010 | 0.010 | 0.010 | 0.010 | 0.020 | 0.010 |
| 88 | FT120 | 0.010 | 0.010 | 0.020 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.000 | 0.020 | 0.010 | 0.010 | 0.010 |
| 89 | LactoscopeFilter | 0.020 | 0.010 | 0.010 | 0.040 | 0.020 | 0.010 | 0.010 | 0.000 | 0.020 | 0.010 | 0.010 | 0.010 | 0.000 | 0.020 | 0.010 |
| 90 | FT120 | 0.010 | 0.010 | 0.010 | 0.010 | 0.020 | 0.000 | 0.010 | 0.000 | 0.000 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 91 | G・SS | 0.050 | | | 0.040 | 0.060 | 0.050 | | | 0.000 | 0.050 | 0.000 | | | 0.000 | 0.000 |
| 92 | FT1 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.000 | 0.010 | 0.010 | 0.010 | 0.000 | 0.010 | 0.010 | 0.010 | 0.010 |
| 93 | S50 | 0.000 | 0.010 | | 0.030 | 0.030 | 0.010 | 0.000 | | 0.010 | 0.010 | 0.010 | 0.000 | | 0.010 | 0.000 |
| 94 | FT2 | 0.000 | 0.000 | 0.010 | 0.010 | 0.030 | 0.010 | 0.010 | 0.010 | 0.010 | 0.030 | 0.000 | 0.010 | 0.020 | 0.010 | 0.020 |
| 95 | — | | | | | | | | | | | | | | | |
| 96 | — | | | | | | | | | | | | | | | |
| 97 | — | | | | | | | | | | | | | | | |
| 98 | — | | | | | | | | | | | | | | | |
| 99 | FT6000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 100 | FT1 | 0.030 | 0.000 | 0.020 | 0.030 | 0.000 | 0.010 | 0.010 | 0.000 | 0.010 | 0.000 | 0.010 | 0.030 | 0.010 | 0.020 | 0.020 |
| 101 | FT120 | 0.020 | 0.010 | 0.010 | 0.020 | 0.000 | 0.020 | 0.010 | 0.010 | 0.030 | 0.000 | 0.010 | 0.010 | 0.020 | 0.000 | 0.010 |
| 102 | — | | | | | | | | | | | | | | | |
| 103 | G・常 | 0.010 | | | 0.020 | 0.010 | 0.040 | | | 0.030 | 0.020 | 0.010 | | | 0.010 | 0.020 |
| 104 | — | | | | | | | | | | | | | | | |
| 105 | — | | | | | | | | | | | | | | | |
| 106 | LactoscopeFTIR・G | 0.020 | | | | 0.010 | 0.020 | | | | 0.010 | 0.030 | | | | 0.020 |

記号説明

- G ゲルベル法
- SS スマートシステム
- 常 常圧乾燥法