

ISO 9622:2013-09 (E)

Milk and liquid milk products - Guidelines for the application of mid-infrared spectrometry

| Contents | | Page |
|--------------------|---|-------------|
| Foreword | | iv |
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Terms and definitions | 1 |
| 4 | Principle | 2 |
| 5 | Principal characteristics of infrared instruments | 2 |
| 6 | Factors affecting the measurements | 2 |
| 6.1 | Instrument factors | 2 |
| 6.2 | Physico-chemical and biological factors | 5 |
| 7 | Calibration of the instrument | 8 |
| 7.1 | Objective | 8 |
| 7.2 | Spectrum calibration models | 8 |
| 7.3 | Core settings | 9 |
| 7.4 | Checking the slope and intercept | 9 |
| 8 | Sampling | 10 |
| 9 | Determination | 10 |
| 10 | Checking daily short-term stability of the instrument | 10 |
| 10.1 | General | 10 |
| 10.2 | Preparation and storage of control samples | 10 |
| 10.3 | Analysis of control samples | 11 |
| 10.4 | Monitoring the analytical procedure | 11 |
| 10.5 | Re-adjustment of instrument settings | 11 |
| 11 | Precision | 12 |
| 11.1 | Repeatability | 12 |
| 11.2 | Intra-laboratory reproducibility | 12 |
| 11.3 | Reproducibility | 12 |
| 12 | Test report | 13 |
| Bibliography | | 14 |