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**Milk and milk products — Guidelines
for the application of near infrared
spectrometry**

*Lait et produits laitiers — Lignes directrices pour l'application de la
spectrométrie dans le proche infrarouge*

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 34, *Food products*, Subcommittee SC 5, *Milk and milk products*, and the International Dairy Federation (IDF). It is being published jointly by ISO and IDF.

This second edition cancels and replaces the first edition (ISO 21543 | IDF 201:2006), which has been technically revised. The main changes compared with the previous edition are as follows:

- the measurement principles “Transmittance” and “Transflectance” have been added and defined;
- all sample types have been covered: liquids, solids and semi-solids;
- the calibration and validation sections have been reviewed and updated;
- the outlier section has been revised and the plots renewed;
- the procedures for sample handling and measurement have been expanded to include liquid samples and other examples;
- [Annex A](#) has been expanded to include raw milk analysis references.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.