

# CPMG TD-NMR Fat Analysis

## Universal %Fat Test without solvent or calibration



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**International  
Standard**

**ISO 16756**

**IDF 259**

**Milk and milk products — Guidance for the application of Carr-Purcell-Meiboom-Gill (CPMG) pulsed time-domain nuclear magnetic resonance (TD-NMR) spectroscopy for fat determination**

*Laits et produits laitiers — Lignes directrices pour l'application de la spectroscopie par résonance magnétique nucléaire dans le domaine temporel (TD-RMN) à impulsions Carr-Purcell-Meiboom-Gill (CPMG) pour le dosage de la matière grasse*

**First edition  
2024-09**

# TD-NMR Accredited Methods

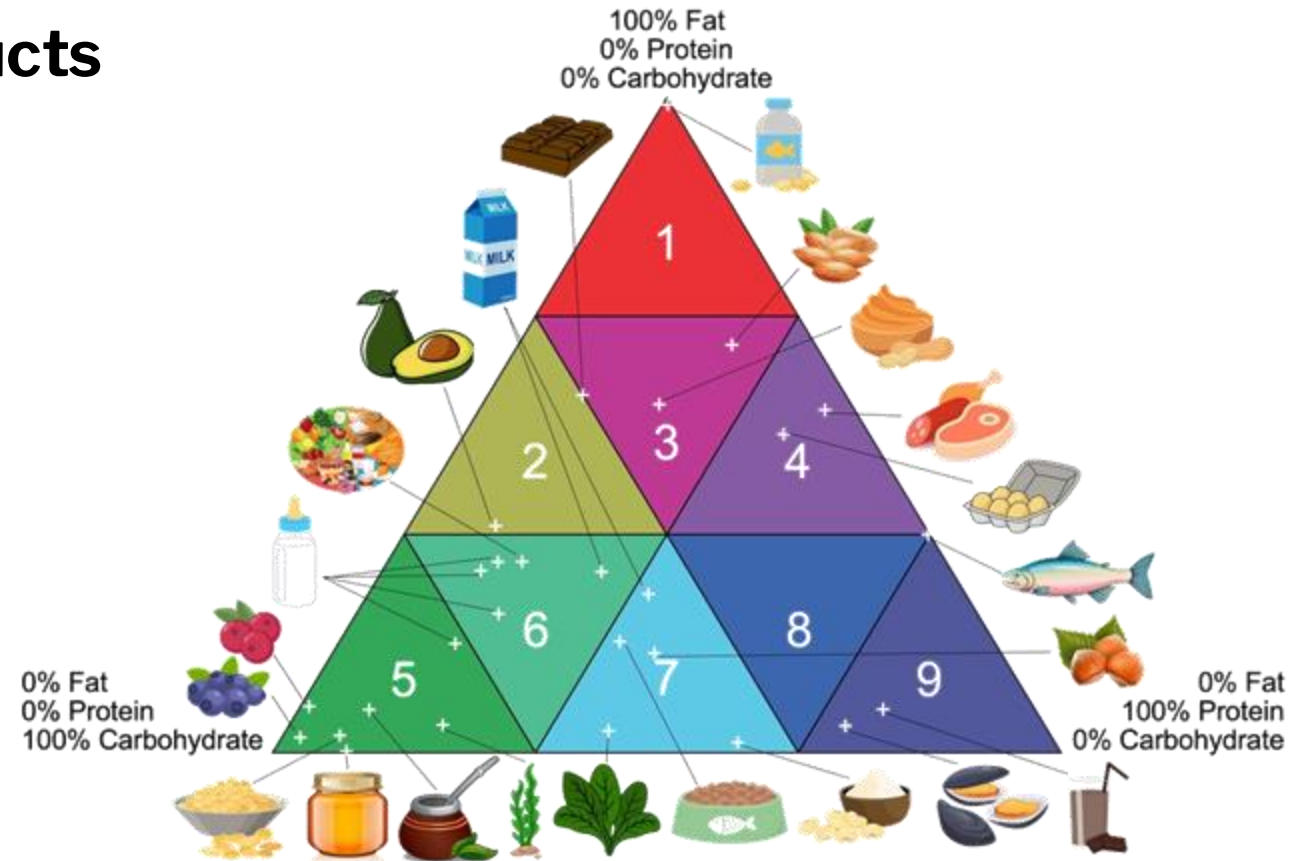
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**ISO 16756/IDF259 – Dairy products**

**AOAC 2008.06 – Meat products**

## Future Methods in Progress

- AOAC/ISO Joint Method – All Food
- India – FSSAI Accreditation
- China – GB Method Program
- Germany – DIN Method Program
- Japan – NIHN Validation



# ISO Impact on Sales

- Greater Acceptance in Dairy Industry
- Acceptance in Non-Dairy Industry
- 3<sup>rd</sup> Party Lab Acceptance
  - Eurofins – 6-8 units for 2025
  - SGS – multiple projects globally
  - ALS – 4-6 units for 2025
  - Merieux – final validation scheduled April
- Leverage against on-site Demo
- **SMART Trac 2 End of Life**

