

NMR SFC Analyzer

(Nuclear Magnetic Resonance Solid Fat Content Analyzer)

PQ001 Series



- Daily check ensured reliable results;
 - Simple and rapid detection process without chemical treatment of the sample;
 - Both the steady and unsteady fat can be measured.

Technical indexes

- Magnet type: Permanent Magnet
- Magnetic Field Intensity: 0.5 ± 0.08 T
- Probe Diameter: \varnothing 10 mm
- Sample diameter \leq 10 mm, Sample height \leq 20 mm

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Why to do the SFC detection?

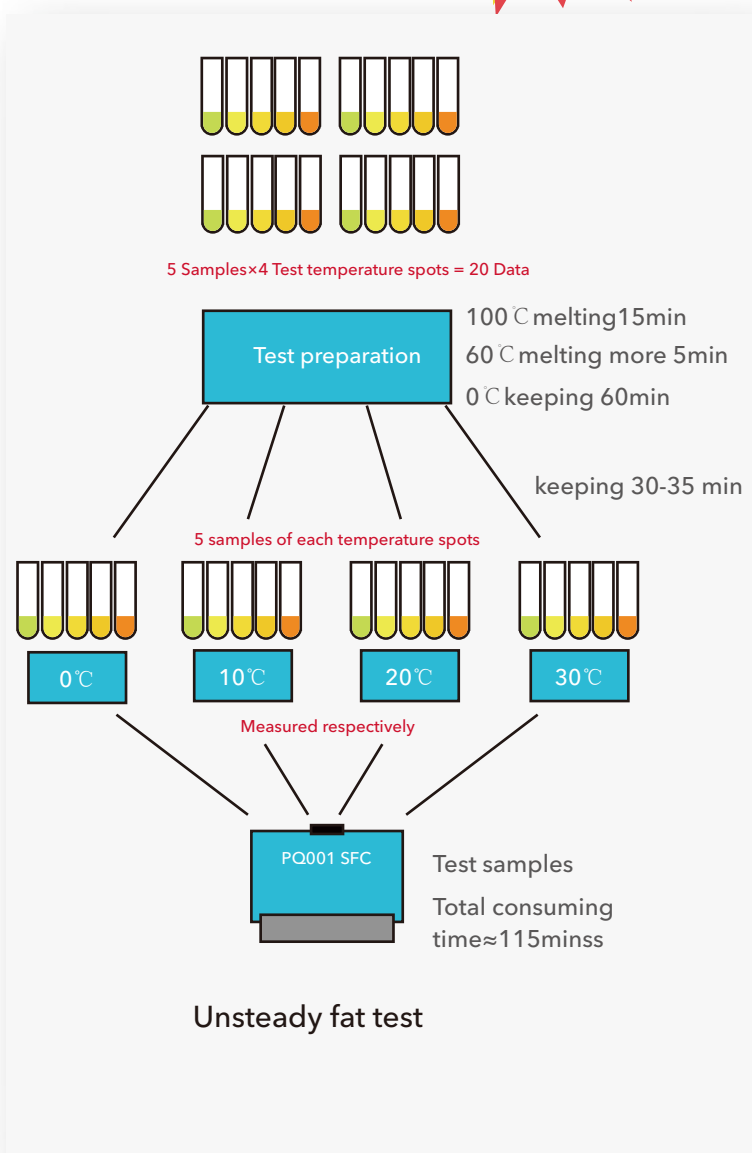
The solid fat content (SFC) is the index of melting and hardness performance of the fat (Cocoa butter, margarine, butter, etc.) at different temperatures. Melting and hardness properties significantly influenced the taste, aroma and smear performance.

ISO Standard, AOCS Standard

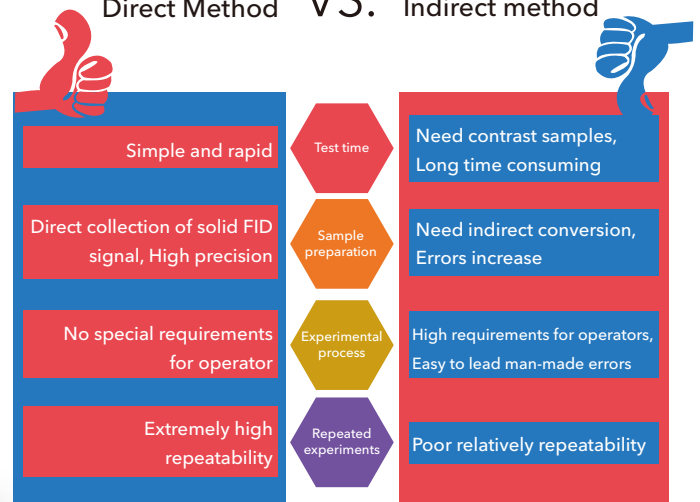
- International standard ISO8292
- American Oil Chemists' Society AOCS Cd 16b-93

NMR Test Method :

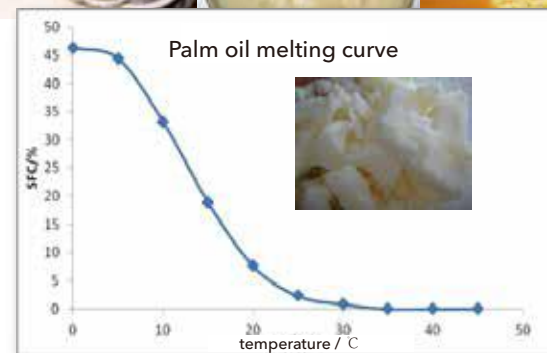
Direct Method



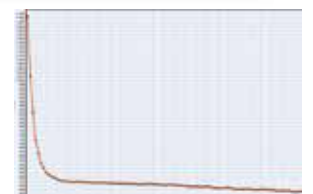
Direct Method VS. Indirect method



Applicable for butter, cocoa butter, palm oil, animal fats, etc.



Professional testing software, simple and approachable.



Uniform magnetic field, Short dead time, Almost with no attenuation of liquid