

What's Really in Your Milk? – Trust Your Product.

NMR Screening Services for Milk and Dairy Products

We offer a state-of-the-art screening solution using **NMR Spectroscopy** – a proven, primary analytical method that delivers **accurate and holistic results** in just minutes. With a capacity for up to **50,000 analyses per year**, Spectral Service AG is your **certified** partner for advanced food testing solutions.



- ✓ Optimized Sample Preparation and **Ultra-Fast Measurement Time** (approx. 5 minutes)
- ✓ High-throughput, cost-efficient analysis
- ✓ Ideal for **routine quality checks, batch releases, or product development.**
- ✓ Our ^{31}P NMR-method is fully validated and we offer you fast and reliable results under GMP and non GxP.

What we offer you

- ➔ **Analysis of milk powders and liquid milk** for valuable phospholipids
- ➔ **Detect milk fraud and mislabeling** with one single measurement
- ➔ **Analysis of the full spectrum of milk fat** - triglycerides, sterols and phospholipids
- ➔ **Quantify key ingredients** like citric acid, cholesterol, omega-3s, and added sugars
- ➔ **Track fermentation and processing markers** (e.g. lactic acid, lactulose)
- ➔ **Assess mineral levels** (e.g. calcium, magnesium, zinc)