

Modern testing of Infant Formula– Fast. Reliable. NMR.

Ensure Quality & Compliance

with validated ^{31}P NMR spectroscopy –
the modern way to test key nutrients in baby food

Simple & Effective

Infant nutrition is facing increasing scrutiny from regulators, retailers, and parents.

You need absolute certainty about what is in your product.

We employ ^{31}P and ^1H - **Nuclear Magnetic Resonance (NMR) Spectroscopy** – a rapid, validated **method** that accurately quantifies key phospholipids and other nutritional components in infant formula, **without complex preparation or lengthy delays.**

What We Analyze for You:

Phospholipids:

- Phosphatidylcholine (PC)
- Sphingomyelin (SPH)
- Phosphatidylethanolamine (PE)
- Phosphatidylserine (PS)
- Phosphatidylinositol (PI)



Additional Compounds:

- Triacylglycerols (TAGs)
- Cholesterol
- Omega-3 & butyric acid (animal fat markers)
- Lactose, glucose, citric acid, lactic acid
- Minerals (Ca^{2+} , Mg^{2+} , Zn^{2+} as EDTA complexes)

Why Choose Our NMR Service?

- ✓ **Validated under GMP** - Confidence for audits and regulatory requirements
- ✓ **Quantifies multiple nutrients at once** - Time-saving and cost-effective
- ✓ **High sensitivity & repeatability** - Accurate results even for minor components
- ✓ **Advanced signal analysis (PLS, ICA)** - Reliable results even with complex or overlapping data