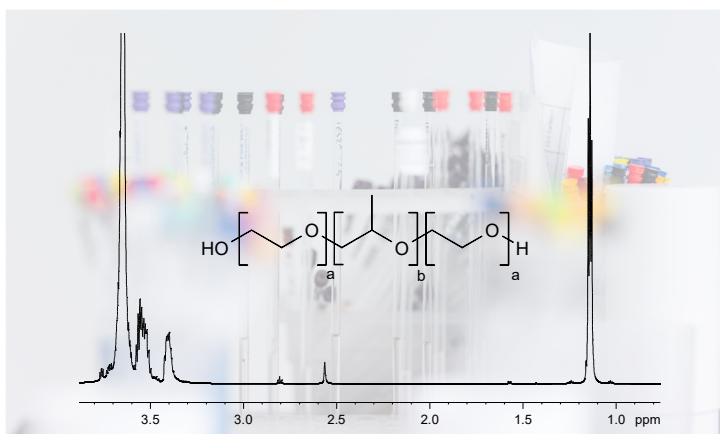


Polymer Analysis by NMR Spectroscopy

Fast. Precise. Insightful.

Unlock Polymer Insights

NMR spectroscopy service delivers **fast, reliable structural information for polymers**, supporting identity testing, degree of substitution, and quantitative composition – critical for **quality assurance, product development, and regulatory compliance**.



Typical Applications and Polymer Classes

We routinely analyze a wide range of industrial and pharmaceutical polymers, including:

- ✓ PEG / PPG – chain length, purity, copolymer ratios
- ✓ Hyaluronic Acid – identity and modification patterns
- ✓ PLGA – monomer ratio and molecular weight trends
- ✓ Polysorbate 80 – substitution & degradation profile
- ✓ Chitosan – degree of deacetylation and chemical variation

If your material is not listed, feel free to contact us for a tailored analysis.

What You Get — Clear Answers Within Minutes

- ✓ Polymer identification
- ✓ Degree of substitution
- ✓ Quantitative composition – even in mixtures
- ✓ Detection of modifications and degradants
- ✓ Diffusion-based differentiation of small molecules
- ✓ Indications of molecular size and distribution



Why Choose Us — Your Competitive Advantage

- ➔ **Minimal effort, maximum insight:** Simple sample prep, detailed structural analysis – fast and effective.
- ➔ **Tailored for your product:** Custom method development ensures precise results for your specific application.
- ➔ **Ready for compliance and innovation:** Supports both quality control & regulatory needs with reliable, audit ready data.