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From the Blog

Ensuring Safety in Plastics and Food Contact Materials

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At Medistri, we understand the growing concerns surrounding bisphenols - particularly Bisphenol A (BPA) - in plastics, polymers, and food contact materials. Bisphenols are synthetic compounds used extensively in the production of polycarbonates and epoxy resins. Due to their potential endocrine-disrupting effects, regulatory scrutiny has increased across multiple industries.

Our bisphenol testing service ensures that manufacturers and suppliers remain compliant with stringent international standards, while maintaining consumer safety and product integrity.

A Dual Context: Plastics & Food Contact Testing

Medistri's laboratory is equipped to perform bisphenol analysis directly on plastics and polymers, whether as part of routine quality control, raw material qualification, or regulatory testing. Additionally, bisphenol analysis is an integral part of food contact material (FCM) assessments, where migration from packaging into food must be stringently monitored.

In both contexts, our analytical processes support compliance with relevant standards, including:

- EU Regulation 10/2011 (Plastic materials intended to come into contact with food)
- Swiss Ordinance RS 817.023.21
- ISO 1186 / EN 13130 (Specific migration testing in food simulants)

Our Method: GC-MS with High Sensitivity

Medistri uses Gas Chromatography coupled with Mass Spectrometry (GC-MS) for the detection and quantification of bisphenols. This method offers:

- High sensitivity with a Limit of Quantification (LOQ) of 2 µg/ml
- High selectivity through mass spectral detection
- Compatibility with a wide range of matrices including raw polymer, packaging materials, and food simulants.

This makes GC-MS an ideal choice for both screening and confirmatory testing.

Partnering with Medistri

By partnering with Medistri, you benefit from:

- Fast turnaround times
- Customized testing strategies
- Deep regulatory knowledge
- Full traceability and data integrity

Whether you're validating new materials or responding to new market requirements, our laboratory experts are here to support your journey toward safer, compliant products.

Learn more about our Laboratory. To ensure your products meet the highest quality and safety standards, contact our dedicated team at contact@medistri.com.

— The Medistri Team

#Medistri



Accredited to ISO/IEC 17025 Standards

Medistri's bisphenol testing is fully accredited under ISO/IEC 17025 by the Swiss Accreditation Service (SAS). This guarantees that our results are not only technically sound but also fully traceable and accepted by regulatory bodies worldwide.

Our clients rely on us for reliable and compliant testing that facilitates both product safety and market access.