

# Total Fluorine Testing for FCM: Faster Clarity on PFAS Requirements

The precise method for early assessment is now available through KÖR LABS

## Why PFAS Testing Is Shifting

Under the new Packaging and **Packaging Waste Regulation (PPWR)**, companies placing packaging on the EU market must demonstrate that no per- and polyfluoroalkyl substances (PFAS) are present in concentrations, stated in EU Regulation 2025/40.

### The current testing landscape creates challenges:

- Full PFAS panels are costly and slow
- Screening thousands of PFAS substances individually is unrealistic
- Laboratory methods vary widely
- Supply chains need a consistent way to address PFAS expectations

Regulators recognise these issues. Total Fluorine (TF) is therefore expected to become the **primary screening method** under upcoming PPWR guidance, giving companies a practical and scalable starting point for PFAS assessment.

## Why Total Fluorine Testing Matters

Total Fluorine measures the **total fluorine content** in a packaging sample using Combustion Ion Chromatography (CIC).

It does not identify specific compounds but shows whether **fluorinated chemistry** is present.

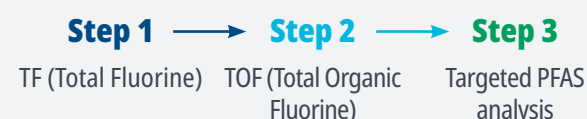
### Because PFAS always contain fluorine:

- **No fluorine detected:** PFAS are not present
- **Fluorine detected:** Additional tests determine whether it originates from PFAS or other sources such as mineral fluorides or additives

Total Fluorine testing provides a fast, reliable way to understand whether further PFAS-specific testing is required.

## How The Three-Step Workflow Works

### The emerging PFAS testing sequence:



### Thresholds:

- **TF < 50 ppm:** Packaging may proceed under Article 5.5 considerations
- **TF > 50 ppm:** TOF clarifies whether detected fluorine is organic (PFAS-related)
- If organic fluorine is present, targeted analysis identifies specific PFAS compounds

This approach limits unnecessary testing while maintaining clarity

## Why Companies Use KÖR LABS

PFAS testing is fragmented across laboratories, formats, and reporting styles. KÖR LABS brings clarity and consistency by consolidating the full workflow in one digital environment.

### Three key advantages

1. **Central Testing Hub**  
All PFAS-related orders, results, and documentation managed in one secure place.
2. **Smart Procurement**  
Access to a vetted laboratory network with proven TF, TOF, and targeted PFAS capability. KÖR LABS is an early mover in providing TF testing at scale.
3. **Audit-Ready Reporting**  
Laboratory results are harmonised into clear, consistent records with complete traceability.

KÖR LABS transforms PFAS testing from a fragmented process into a predictable, accessible workflow for global FCM supply chains.

## Get in Touch

For guidance on integrating Total Fluorine testing into your PFAS strategy, contact us at [info@kor-group.com](mailto:info@kor-group.com) or request a KÖR LABS demo.

