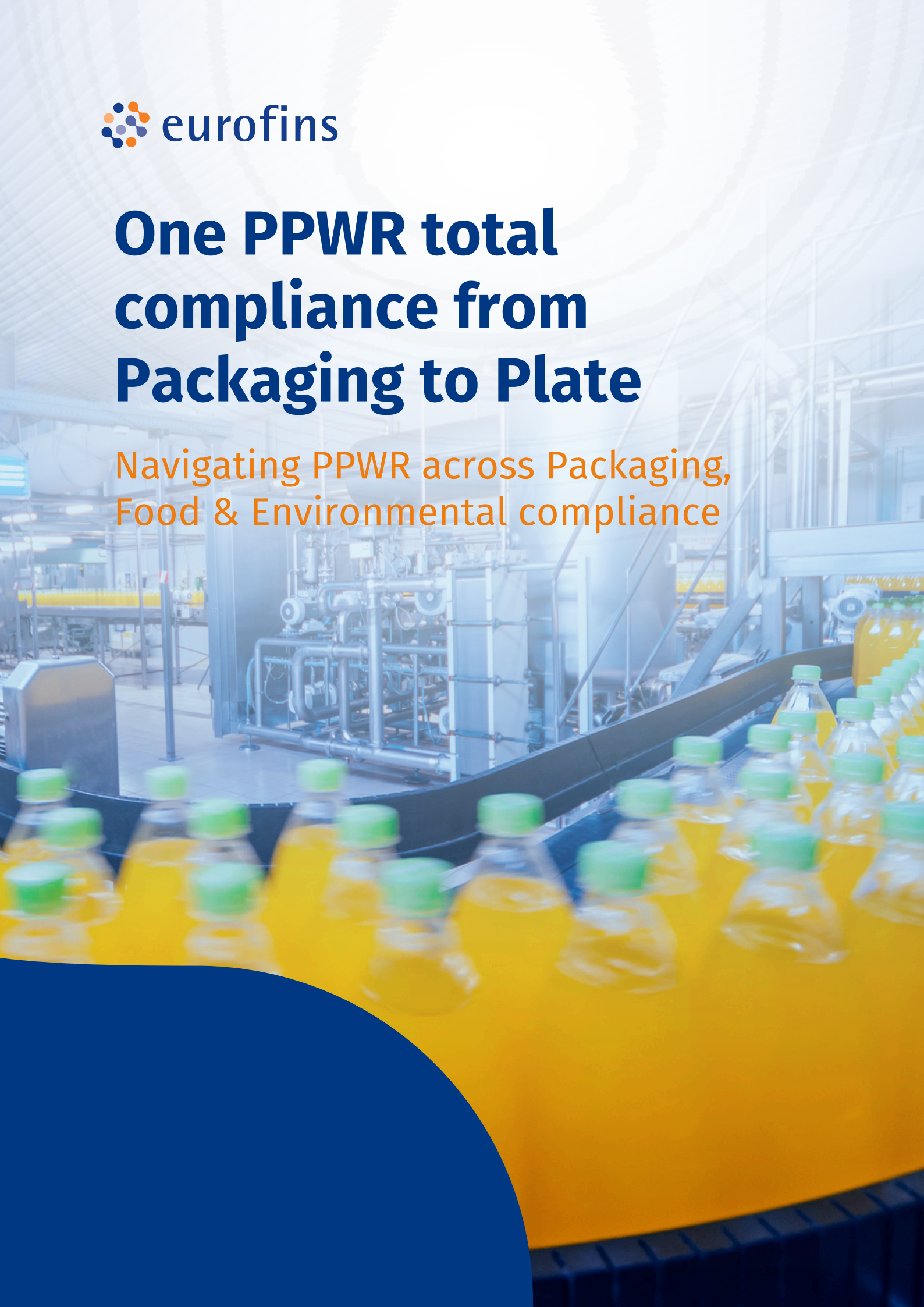




One PPWR total compliance from Packaging to Plate

Navigating PPWR across Packaging, Food & Environmental compliance



PPWR: A new baseline requirement for EU market access

From packaging and food contact materials to water, waste and food safety, PPWR introduces a new, binding compliance framework for manufacturers supplying the EU market.

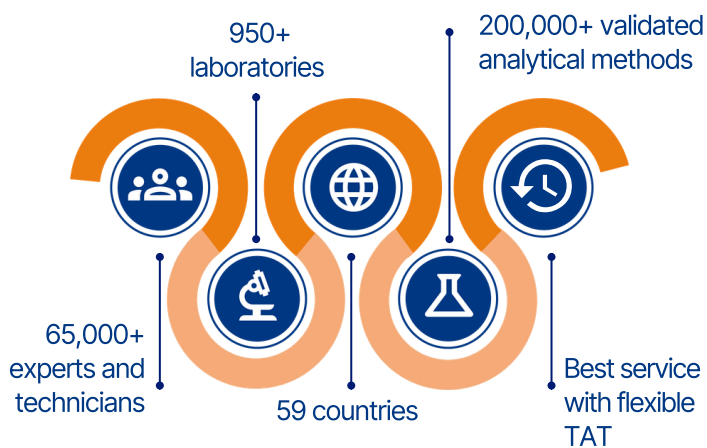
Regulation (EU) **2025/40 on Packaging and Packaging Waste (PPWR)** entered into force on **11 February 2025**, replacing Directive 94/62/EC and introducing a single, directly applicable legal framework across all EU Member States. The Regulation applies to **all packaging materials**: plastic, paper, glass, metal and composites, and governs the entire lifecycle, from design and material selection to use, disposal and recycling.

From **12 August 2026**, most **chemical and material requirements** become fully enforceable, with no transitional exemptions for existing stock. Key substances subject to review include **PFAS** in food-contact packaging, **heavy metals** across all packaging materials, and **bisphenol A (BPA)** in food contact applications.

More than a packaging regulation, PPWR fundamentally reshapes manufacturing compliance by linking:



Why choose Eurofins



Eurofins Scientific is the **world leader in testing for life**, delivering scientific solutions that help safeguard health, safety and sustainability worldwide. With a global network and a strong presence across Asia-Pacific (APAC), Eurofins combines international expertise with local capabilities to support manufacturers in complex regulatory environments.

Wherever testing can protect life, Eurofins supports industries including food, agriculture, environmental, consumer goods, household, cosmetics, electronics, and clinic healthcare, delivering reliable scientific solutions across complex supply chains.

Supported by a globally accredited laboratory network, Eurofins' entities across Asia-Pacific hold recognised national and international accreditations, **validated by leading industry authorities in Asia**, ensuring results aligned with EU and US regulatory requirements and accepted across global markets.



PPWR chemical compliance for Packaging & Food Contact Materials

Eurofins provides a comprehensive analytical testing programme for packaging manufacturers, importers and downstream users placing products on the EU market, supporting compliance with all relevant chemical requirements under PPWR.

Heavy metals testing

- Simultaneous quantification of **lead (Pb), cadmium (Cd), mercury (Hg) and hexavalent chromium (Cr(VI))**
- Results evaluated against the **100 mg/kg** combined PPWR regulatory limit
- Applicable to all packaging materials, including plastics, paper, glass, metal and composites

Comprehensive PFAS testing

- Targeted PFAS and Total Fluorine (TF) analysis with the capability to screen up to **487 PFAS substances**
- Based on recognised methods, including **EN 14582:2016** and **ASTM D7359:2023**
- Low limits of quantification **down to 5 ppb**, enabling high-sensitivity compliance assessment
- Utilises Combustion Ion Chromatography (CIC) for accurate determination of total fluorine content, including polymeric PFAS

Control contamination in Food

PFAS compliance in food is a critical element of the broader PPWR framework, linking food safety, packaging integrity and environmental contamination control.

- PFAS testing in food in accordance with **Regulation (EU) 2023/915**, covering **PFOS, PFOA, PFNA, PFHxS** and their sum across meat, fish, seafood and eggs
- Quantification at $\mu\text{g}/\text{kg}$ levels, supporting EU food safety compliance and market access
- Heavy metals testing to detect contamination and migration, including **lead (Pb), cadmium (Cd), mercury (Hg) and arsenic (As)**, applicable to a wide range of food matrices
- Analysis supports identification of environmental and packaging-related contamination pathways
- Testing performed using validated methods and advanced instrumental platforms

Environmental monitoring

- Covers **wastewater and sludge** matrices
- Monitoring of **persistent organic pollutants** (including POPs/PFAS/PFOA), with accredited analysis of **35 PFAS compounds**, including PFOA and PFOS.
- Uses LC-MS/MS for sensitive and selective PFAS determination
- Low detection limits and turnaround times defined based on the applicable accredited scope

Key chemical requirements under PPWR



All Packaging

Heavy metal limit

The sum of Pb, Cd, Hg, and Cr(VI) in packaging or packaging components must not exceed:

- 100 mg/kg (total)



Food-contact only

PFAS restrictions

From 12 August 2026, food-contact packaging must comply with the following limits:

- 25 ppb for any single PFAS
- 250 ppb for the total targeted PFAS
- 50 ppm for the total PFAS (incl. polymeric)

Bisphenol A (BPA) & Bisphenols testing

BPA compliance is a prerequisite for PPWR compliance in food contact packaging.

- Applicable to plastic materials, coatings, rubber and silicone
- Performed in compliance with **Regulation (EU) 2026/250**
- Quantification of BPA and key bisphenol substitutes (BPA, BPS, BPAF, BPF, BPB, TBBPA, phenolphthalein)
- Low detection limits **down to 1.0 $\mu\text{g}/\text{kg}$**



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