



## THE REACH DIRECTIVE: TESTING TO SHOW COMPLIANCE

All manufacturers or importers of chemicals or articles containing certain specified chemicals or substances into the EU (one tonne or more per annum) must register these substances with the European Chemicals Agency (ECHA) and comply with certain limits.

To protect consumers and avoid possible product recall, sales ban or penalties, tyre manufacturers, importers and distributors need to know whether toxic chemicals such as PAHs (Polycyclic Aromatic Hydrocarbons) and SVHCs (Substances of Very High Concern) exist in tyres to meet their REACH obligations.

Rubber Consultants can offer the following compliance testing for tyres as well as any other material or article that falls under the REACH directive:

### **PAH Testing according to ISO 21461 (NMR)\***

### **PAH Testing according to ZEK Method (GCMS)**

### **REACH SVHC Testing (GCMS and ICP)**

PAHs may be present in extender oil, carbon black, rubber additives, reclaimed rubber and other components of tyres.

Some SVHCs could be present in tyres. Both PAHs and SVHCs might have been introduced to tyres during the manufacturing process via the addition of non-compliant raw materials.

Laboratory testing is the most reliable way to identify PAHs and SVHCs in products and ensure compliance.

Tyre manufacturers also need to ensure all raw materials have been registered and their uses have been covered in the registration.

\*UKAS accredited to ISO 17025



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