

REACH Test Set

“substances of very high concern”

Centexbel offers a testing set to analyse your products on the presence of substances of very high concern, as defined by REACH legislation.

The Centexbel analyses allow manufacturers, textile finishers, importers, retailers and brands to meet the REACH SVHC obligations.



- thermal extraction at 120°C to detect the presence of organic compounds
- X-Ray Fluorescence measurement (XRF) to determine the contents of heavy metals (eg. Co, As), and/or halogens (Cl, Br)
- ICP-MS to determine the boron content
- LC-MS : additional test to detect the remaining substances of very high concern



Challenges

Twice a year, the European Chemicals Agency (ECHA) extends the candidate list for authorisation for (chemical) substances of very high concern. Each company has to report to its professional customers the presence of one of these substances in a concentration exceeding 0,1 weight percentage of the total weight of the article (component or final product).

This information duty also applies to the end-consumer, but only on the latter's demand. In this specific case, the information has to be transmitted within 45 days upon request. Also those companies importing goods from outside Europe in order to sell them on the internal market have to follow these rules.

Because the candidate list will be updated on a regular basis, it is to be expected that the number of listed substances will increase very rapidly. This will complicate the control of the articles (e.g. of imports).

The actual list of SHVC includes several substances with possible textile applications, including

- **Hexabromocyclododecane (HBCDD):** Flame retardant
- **Benzy l butyl phthalate, Bis (2-ethyl(hexyl)phthalate) (DEHP), Dibutyl phthalate:** PVC softening agents
- **Cobalt dichloride:** in dyestuffs

Solution

Have your textile products checked on the presence of SVHC in conformity with the REACH requirements. Centexbel has developed a series of tests to evaluate both preparations and products.

- the tests detect all substances of very high concern
- the tests are available for objects and preparations



Stijn Steuperaert

Centexbel - Technologiepark 70 - BE 9052 Zwijnaarde

+32 (0) 9 243 46 93 | sst@centexbel.be

www.centexbel.be