

## PUR foam - CertiPUR label

Industry has developed the health and environment label CertiPUR giving you the opportunity to brand your foam product as the healthy and environmentally right choice for your clients. US industry modified these specifications and runs CertiPUR US label.

The European Association of Flexible Polyurethane Foam Blocks Manufacturers - EUROPUR - had launched a label on the market for reaction to the discussion of unwanted chemicals in foams among authorities, NGO's, consumers, and manufacturers. The initiative provides the manufacturers with the opportunity to end this discussion by the use of the CertiPUR label.

CertiPUR consists of restrictions for a number of specific substances relating to content, migration, and emission testing (see textbox at the back).

Only laboratories approved by EUROPUR may perform the analyses for CertiPUR in Europe. Eurofins Product Testing A/S is approved by EUROPUR and can deliver the certificate with the analytical results in appendices in Danish, English, German, and French.

While CertiPUR is applicable to naked PUR foam, there are also Austrian and German ecolabels with criteria for complete mattresses and complete upholstered furniture both of which may contain PUR foam but covered by textile.



**An Initiative on Safety,  
Health and Environment for  
Polyurethane Flexible Foams**

## Restrictions

Migration and extraction	
Antimony (Sb)	0.5 ppm (mg/l)
Arsenic (As)	0.2 ppm (mg/l)
Cadmium (Cd)	0.1 ppm (mg/l)
Chromium total (Cr)	1.0 ppm (mg/l)
Chromium VI (Cr VI)	<LOD*
Cobalt (Co)	0.5 ppm (mg/l)
Copper (Cu)	2.0 ppm (mg/l)
Lead (Pb)	0.2 ppm (mg/l)
Nickel (Ni)	1.0 ppm (mg/l)
Mercury (Hg)	0.02 ppm (mg/l)
Selenium (Se)	0.5 ppm (mg/l)
Tributyltin (TBT)	0.5 ppm (mg/l)
Sum of 6 phthalates	0.01 % (w/w)
2,4-TDA, 4,4'-MDA and the sum of 2,4-TDA and 4,4'-MDA	5.0 ppm (mg/l)
Emission test	
Formaldehyde	0.1 mg/m <sup>3</sup>
Toluene	0.5 mg/m <sup>3</sup>
Styrene	0.3 mg/m <sup>3</sup>
Vinylcyclohexene	< LOD*
4-Phenylcyclohexene	< LOD*
Butadien	< LOD*
Vinylchloride	< LOD*
Aromatic hydrocarbons	0.5 mg/m <sup>3</sup>
Total organic volatiles	0.5 mg/m <sup>3</sup>

\* Means below the limit of detection

## Sampling procedure

### Origin of the samples

The samples are cut out of the centre of the block immediately after the second cut.

### Size of the samples

25 cm x 20 cm x 15 cm

### Conditioning period

The samples must be cut out of the block less than one week after production of the foam, crushed if necessary, and immediately packaged

### Dispatch of samples

Tightly wrapped and air-sealed individually in aluminium foil.

### Dispatch address

Eurofins Product Testing A/S  
Smedeskovvej 38  
8464 Galten, Denmark  
Tel : + 45 70 22 42 76  
Fax : + 45 70 22 42 75  
VAT ID # : DK 6222 5319  
Email :  
Product-emissions@eurofins.com

### Number of samples

6 identical samples should be prepared: five sent to Eurofins Product Testing A/S (chamber test + migration test); the one kept at the foamer's site for a retention period of 6 months. The samples should be equally identified.

### Record

Sample identification (foam family, foam quality and company production reference number), production date, date of sampling, date of mailing to Eurofins Product Testing A/S should be attached to the sample sent to the laboratory.

## Testing laboratory:

### Eurofins Product Testing A/S

- Smedeskovvej 38, 8464 Galten, Denmark,  
Phone +45 7022 4276

### Eurofins Air Toxics, Inc.

- 180 Blue Ravine Road, Ste. B, Folsom, CA 95630, USA,  
Phone +1-800-985-5955

### Contact our offices in

China (Shanghai, Shenzhen) - Denmark - France -  
Germany - Hong Kong - Italy - Netherlands - Thailand -  
UK - USA

via our common email address

**voc@eurofins.com**