

Bellaterra : 19th May 2005
File Number : 5017685- English translation
Petitioner : TORRASPAPEL S.A.
Ctra. De França, s/n
17840 Sarrià de Ter
Girona

RECEIVED MATERIAL

Material to be tested received on: 27th April 2005
The sample has been presented according the directions of the petitioner, as a paper with the reference ESTUCADO 1/C BRILLO manufactured by TORRASPAPEL S.A.

REQUESTED TEST

Accordance of the product with requirements of Directive 2002/95/CE of the European Parliament and Council of 27th January of 2003 about restriction of the use of certain hazardous substances in electrical and electronic equipment.

- Determination of Cadmium (Cd), Chromium (Cr), Lead (Pb) and Mercury (Hg).
- Determination of the presence of Polybrominated biphenils (PBB) or Polybrominated diphenil ethers (PBDE).

TEST METHOD

Determination of Lead, Chromium, Cadmium, and Mercury according to the EN 1122.
For Mercury has been used the same method, but reflux mineralitation.
Used Technique: Inductively plasma spectrophotometry.
Determination of PBB and PBDE. CG-EM previous extraction of sample with toluene.

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This document consists of 3 pages of which – are annexes.

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RESULTS

Tested on:

Start: 3th May 2005

End: 19th May 2005

	ESTUCADO 1/C BRILLO
Chromium (Cr)	Lower than 5 ppm
Lead (Pb)	Lower than 5 ppm
Cadmium (Cd)	Lower than 5 ppm
Mercury (Hg)	Lower than 5 ppm
PBB and PBDE	Lower than 100 ppm

Note: Lower than 5 ppm (mg/Kg) and lower than 100 ppm (mg/Kg) are the limit of detection of the used technique .

CONCLUSIONS

According to the obtained results, the analyzed sample of ESTUCADO 1/C BRILLO paper manufactured by TORRASPAPEL, S.A. is in accordance with evaluation requirements fixed on Article 4 point 1 of Directive 2002/95/CE of the European Parliament and Council of 27th January of 2003 about restriction of the use of certain hazardous substances in electrical and electronic equipment.

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The results refer solely to the sample, product or material delivered to the Laboratory, as indicated in the section corresponding to the description of the Material Received, and tested under the conditions indicated herein.

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ANNEX 1

Directive 2002/95/CE don't establish maximum quantity allowed in connection with analysed elements, quote verbatim, on article 4 that: *"tested sample does not contain cadmium, chromium, lead and mercury"* even though establish exceptions on annexe.

Of article 5, point 1, of Directive 2002/95/CE, section a) says *"establishing as necessary maximum concentration values up to which the presence of the substances refered to in Article 4(1)"* according to article 7 point 2, *"will be established by a committee"*.

On July of 2004 was formed a commission wich made the following proposal:

Maximum value of concentration on 0,1% on weight on homogeneous materials for lead, mercury, hexavalent chromium, PBB and PBDE, and 0,01% on weight for cadmium. To see Table 1.

TABLE 1

	Maximum Values
Lead (Pb)	1000 mg/Kg
Hexavalent Chromium (CrVI)	1000 mg/Kg
Mercury (Hg)	1000 mg/Kg
Cadmium (Cd)	100 mg/Kg
Polybrominated Phenils (PBB)	1000 mg/Kg
Polybrominated Phenils Ethers (PBDE)	1000 mg/Kg

So, based on the results, the analized sample is according with Directive 2002/95/CE