

Bellaterra : 29th July 2005
File Number : 5029211- English translation
Petitioner : TORRASPAPEL S.A.
Ctra. De França, s/n
17840 Sarrià de Ter
Girona

RECEIVED MATERIAL

Material to be tested received on: 25th July 2005

The sample has been presented according the directions of the petitioner, as a paper with the reference ESTUCADO DOBLE 2/C MATE manufactured by TORRASPAPEL S.A.

REQUESTED TEST

Accordance of the product with requirements of:

1. 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.
 2. Directive 2003/11/CE of the European Parliament and Council of 6th February of 2003 about the limitation of commercialization and use of certain hazardous substances and preparations (Ether of Pentabrominated Diphenyl, Ether of Octabrominated Diphenyl).
- Determination of Cadmium (Cd), Chromium (Cr), Lead (Pb) and Mercury (Hg).
 - Determination of the presence of Polybrominated biphenyl's (PBB) or Polybrominated diphenyl 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 Coupled Plasma Spectrometry.

Determination of PBB and PBDE. CG-EM previous extraction of sample with toluene.

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RESULTS

Tested on:

Start: 25th July 2005

End: 29th July 2005

	ESTUCADO DOBLE 2/C MATE
Chromium (Cr)	Lower than 5 ppm
Lead (Pb)	Lower than 5 ppm
Cadmium (Cd)	Lower than 5 ppm
Mercury (Hg)	Lower than 5 ppm
Polybrominated Biphenyl's (PBB) and Polybrominated Diphenyl Ethers (PBDE)	Lower than 100 ppm
Ether of Pentabrominated Diphenyl	Lower than 100 ppm
Ether of Octabrominated Diphenyl	Lower than 100 ppm

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

To see Annex I.

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CONCLUSIONS

3. According to the obtained results and the comments of Annex I, the analyzed sample of ESTUCADO DOBLE 2/C MATE 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, the same way as Directive 2003/11/CE of the European Parliament of Council 6th February of 2003 about the limitation of commercialization and use of certain hazardous substances and preparations (Ether of Pentabrominated Diphenyl, Ether of Octabrominated Diphenyl).

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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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ANNEXE 1

Directive 2002/95/CE don't establish maximum quantity allowed in connection with analyzed elements, quote verbatim, on article 4 that: *"tested sample hasn't contains cadmium, chromium, lead and mercury"* even though establish exceptions on annex. 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 referred 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 which 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 ppm
Hexavalent Chromium (CrVI)	1000 ppm
Mercury (Hg)	1000 ppm
Cadmium (Cd)	100 ppm
Polybrominated Phenyls (PBB)	1000 ppm
Polybrominated Phenyls Ethers (PBDE)	1000 ppm

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