

Product in accordance

with requirements of Directive 2004/12/CE that modifies Directive 94/62/CE
about packaging related in European standard EN 13427:2000

Paper sample referenced as ESTUCADO DOBLE 2C BRILLANTE RO,
manufactured by TORRASPAPEL SA is agree with the evaluation
requirements designed for packaging, detailed in table 1.

Conformity number: 05040_CP17
Issued: October 28th, 2005

Service responsible



M^a Àngels Pèlach

Laboratory responsible



Susanna Presta

DIRECTIVE 2004/12/CE and DIRECTIVE 94/62/CE REQUIREMENTS

Paper sample: ESTUCADO DOBLE 2C BRILLANTE RO

Evaluation abstract:

| Evaluation criteria | Evaluation requirement | Declaration |
|--|--|--------------------|
| Requirements for measuring and verifying the four heavy metals present in packaging and their release into the environment | To guarantee levels lower than maximum allowed for components (UNE CR 13695-1) | Conform |
| Requirements for measuring and verifying dangerous substances present in packaging and their release into the environment | To guarantee conformity with EN 13428:2000 Standard (UNE-CR 13695-2; Directive 67/548/CE ; Directive 92/32/CEE ; Directive 2001/59/CE (28 ^a Adaptation) | Conform |
| Requirements for packaging waste valorisation by means of energy recovery. | To guarantee that calorific gain of waste packaging is suitable (EN 13431:2000) | Conform |

**PACKAGING. Requirements for measuring and verifying the four heavy metals
present in packaging (UNE-CR 13695-1)**

1.- SAMPLE DESCRIPTION

- ESTUCADO DOBLE 2C BRILLANTE RO paper sample

2.- FACTORY

- TORRASPAPEL, S. A.

3.- TEST CONDITIONS

Total digestion of sample by means of laboratory microwave MILESTONE previously treated with acids (HNO₃:H₂O₂:HF:H₂O) in proportion 3:2:1:2.

Treatment program: total time: 115 min. Increase to 120°C and 5 min stabilization; increase to 150°C and 5 min stabilization; increase to 180°C and 5 min stabilization; increase to 200°C and 5 min stabilization and at last, increase to a 210°C and 5 min stabilization.

Determination of heavy metals have been made by ICP-Mass spectrometry.

4.- RESULTS

Testing date: 30/09/2005.

| Metals | Results (ppm) |
|------------------|----------------------|
| Mercury | < 0,25 |
| Cadmium | < 0,25 |
| Chromium (total) | 13,81 ± 0,09 |
| Lead | 4,09 ± 1,48 |
| TOTAL | < 100 ppm |

Results expressed in mg element/Kg material

Analysis results indicate than heavy metal content is lower than 100 ppm.

5.- CONCLUSION.

Paper sample analysed referenced as ESTUCADO DOBLE 2C BRILLANTE RO is agree with Article 11 of Directive 2004/12/CE and Directive 94/627CE about concentration levels of heavy metals in packaging and packaging wastes.

Service responsible



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**PACKAGING. Requirements for measuring and verifying dangerous substances
present in packaging (UNE-CR 13695-2)**

1.- SAMPLE DESCRIPTION

- ESTUCADO DOBLE 2C BRILLANTE RO paper sample

2.- FACTORY

- TORRASPAPEL, SA

3.- CONFORMITY ANALYSIS

Paper sample doesn't present substances classified as dangerous for environment, or if presents, their concentration are lower than 0.1%, as indicated in Directive 67/548/CE, its modifications (Directive 92/32/CEE) and corresponding adaptations (Directive 2001/59/CE and Directive 1999/45/CE).

Analysis realized in October, 27th 2005

4.- CONCLUSION.

Paper sample analysed referenced as ESTUCADO DOBLE 2C BRILLANTE RO is agree with EN 13428:2000 related in Directive 2004/12/CE and Directive 94/62/CE about presence of dangerous substances in packaging.

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**PACKAGING. Requirements for packaging recoverable in the form of energy recovery,
including specification of minimum inferior calorific value (UNE-EN 13431)**

1.- OBJECTIVE

The main requirement for packaging to be considered recoverable is that it provides the thermodynamic requirements to allow the incineration with energy recovery of packaging waste.

2.- SAMPLE DESCRIPTION

- ESTUCADO DOBLE 2C BRILLANTE RO paper sample

3.- FACTORY

- TORRASPAPEL, S. A.

4.- TEST CONDITIONS

Conformity declaration with this standard has to be reinforced by next requirements:

- Material composition. Packaging composed of more than 50% (by weight) of organic content, provides calorific gain and meets the requirements to be considered recoverable
- Calorific value, when necessary, i.e., if inorganic constituents are higher than 50% (by weight).

So, first determination is the ash content as indicated in international standard ISO 1171:1997.

Sample are conditioned and 1 g of sample are weighed to the nearest 0.1 mg. Insert the sample in the furnace at room temperature. Raise the furnace temperature to 105 °C over a period of 30 min. to dry the sample. Continue heating to 525±10°C, maintaining this

temperature for at least 60 min. When the incineration period is complete, remove the dish from the furnace and allow to cool until the weight is possible.

5.- RESULTS

Testing date: 16/06/2005.

| Ash content (%) | Standard deviation |
|-----------------|--------------------|
| 44.72 | 0.43 |

Results indicate than organic matter content is 55.28% with a confidence interval of 0.49. This sample is considered energy recoverable.

6.- CONCLUSION.

Paper simple analysed, referenced as ESTUCADO DOBLE 2C BRILLANTE RO is **considered energy recoverable**, in agree with Directive 2004/12/CE and Directive 94/62/CE.

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