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Bellaterra : **May 9<sup>th</sup>, 2006**

Expedient number : **06/32005629 M1 ENGLISH TRANSLATION  
FROM THE ORIGINAL IN SPANISH**

Petitioner reference : **TORRASPAPEL S.A.**  
Crta de França, s/n  
17840 SARRIÀ DE TER  
GIRONA

Attention to Mr. Josep Soler

**TEST REPORT**

**ITEMS SUBMITTED**

Samples received on: 04.04.06

A sample presented by the petitioner as an self-adhesive liquid with the following reference:

**SELF-ADHESIVE A-251. MANUFACTURED BY TORRASPAPEL**

**TESTS PERFORMED**

Determining if sample complies with the requirements established in norms UNE-EN 71-3: 1996 Section 3 "Migration of certain elements". (European EN 71-3. Ed 1994) and UNE-EN 71-3/A1: 2001, on toy safety.

This report replaces and cancels report 06/32005629, emitted on 26<sup>th</sup> April, 2006  
**MODIFICATION DESCRIPTION:** The words "Adhesive" and "Autoadhesive" have been substituted by "Self-adhesive"

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This document consists of 4 pages of which – are annexes , being this one, the first one

## **TESTING PROCEDURES**

Samples preparation and their metal elements extraction have been performed following the indications given in Norm UNE-EN 71-3: 1996. Section 3. "Migration of certain elements" and UNE-EN 71-3/A1: 2001.

Metals have been determined by ICP technique.

## **UNCERTAINTY**

The expanded uncertainty of the measurement has been expressed as the typical uncertainty of the measurement multiplied by a covering factor  $k=2$ , which, for a normal distribution, corresponds to a covering probability of approximately 95%.

The typical uncertainty of the measurement has been determined according to PT 109-518 for the EN 71/3 test.

Element	Uncertainty (mg/kg)
Antimony	0.01
Arsenic	0.01
Barium	0.01
Cadmium	0.01

Element	Uncertainty (mg/kg)
Chromium	0.03
Lead	0.02
Mercury	0.01
Selenium	0.01

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## RESULTS

Date tests performed: Start: 20.04.06  
End: 26.04.06

### ***SECTION 3: MIGRATION OF CERTAIN ELEMENTS***

To test the samples according to Section 3, Norm UNE-EN 71-3. Ed 1996, and UNE-EN 71-3/A1: 2001 the following sample has been prepared:

M1: Self-adhesive A-251

Samples have been prepared and tested as it's indicated in "Test methods" with the following results:

	M1	Max value
Antimony	inf. 10	60
Arsenic	inf. 10	25
Barium	inf. 10	1000
Cadmium	inf. 10	75
Chromium	inf. 10	60
Lead	<b>15</b>	90
Mercury	inf. 10	60
Selenium	inf. 10	500

Results are expressed in mg of element/Kg of material and refer to the soluble element. The maximal values are those allowed by Norm UNE-EN 71-3, Part 3, "Migration of certain metal elements". Ed 1996, for this kind of material.

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## **CONCLUSIONS (\*)**

(\*) Opinions and interpretations indicated below  
are not object of accreditation by ENAC.

The sample presented by the petitioner as an self-adhesive liquid with the following reference:

### **SELF-ADHESIVE A-251. MANUFACTURED BY TORRASPAPEL**

**complies** with the requirements established in the Norm UNE-EN 71-3: 1996. Section 3 "Migration of certain metal elements", on toy safety. (European EN 71-3. Ed. 1994) and UNE-EN 71-3/A1: 2001, on toy safety.

LGAI Technological Center, S.A.

**Cristina Esteban i Perlas**  
Materials and Consume Responsible  
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The results reported in this document relate only to the sample, product or item submitted to the laboratory and described above, having been tested under the conditions established in this document. In case of discrepancies between the English and Spanish versions, the Spanish version shall prevails over the English one.

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