

## MIGRATION OF CERTAIN ELEMENTS according to UNE-EN 71-3 SAFETY OF TOYS

### 1.- SAMPLE DESCRIPTION.

- Paper sample: SOPORTE BLANCO PARA SILICONAR

### 2.- MANUFACTURER

- TORRASPAPEL, S.A.

### 3.- TEST METHODOLOGY.

Sample preparation and metals extraction have been carried out according to UNE-EN 71-3: 1994 standard method.

Determinations of antimony (Sb), arsenic (As), barium (Ba), cadmium (Cd), chromium (Cr), lead (Pb) and selenium (Se) have been made by ICP-induced plasma spectrometry while mercury (Hg) has been analysed by atomic absorption technique.

### 4.- RESULTS.

Testing date: 27/05/2006.

Metals	Content (ppm)	Maximum allowed value (ppm)	Detection limit
Antimony	< 5,0	60	5,0
Arsenic	< 6,3	25	6,3
Barium	292,1 ± 51,9	1000	43,8
Cadmium	< 4,4	75	4,4
Chromium	< 4,4	60	4,4
Lead	< 8,8	90	8,8
Selenium	> 5,0	500	5,0
Mercury	<0,003	60	0,003

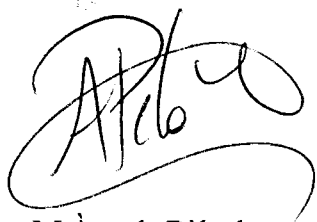
These results are expressed in mg element/Kg of material. Maximum values are those allowed in UNE EN 71-3 standard for these specific metals all them referred to soluble part

Results of migration indicate that mostly all of metals present a concentration under detection limit. In no case, maximum values allowed are surpassed.

## 5. - CONCLUSIONS.

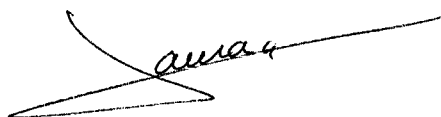
Paper sample analysed, referred as SOPORTE BLANCO PARA SILICONAR is agree with UNE-EN 71-3 on safety of toys. Part 3: Migration of certain elements.

Service responsible



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