

**Test Report No. BTO 210571/1a**  
**Amending and Superseding Test Report BTO 210571/1**  
**Issue Date: 1<sup>st</sup> February 2016**

The following sample was submitted and identified by the client as:

**Sample Name:** Table Top Drying Rack (20 Shelf)  
**Sample Reference:** C1164  
**Sample Description:** A pre-assembled black metal frame, white racks shelf.  
*(Intended for educational purposes in schools)*  
**Sample Submitted:** 7<sup>th</sup> October 2015  
**Testing Period:** Testing conducted between 7<sup>th</sup> December 2015 and 16<sup>th</sup> December 2015  
**Age Grading Applied:** >36 Months  
**Testing Required:** Although this item is not a toy SGS was requested to test for compliance with the European Standard on Safety Of Toys:

BSEN 71-1: 2014  
BSEN 71-2:2011+A1:2014  
BSEN71-3:2013

<sup>(1)</sup> See Appendix for labelling details  
<sup>(2)</sup> Confirmation testing is Non UKAS

**Result:**  
Pass<sup>(1)</sup>  
Pass  
Pass<sup>(2)</sup>

**Conclusion:** The submitted samples as detailed above, complies with the requirements as listed above.

Signed for and on behalf of  
SGS United Kingdom Ltd.



Jo Pinkess BA (Hons) C Text ATI  
Operations Manager

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**APPENDIX A**

**BSEN 71-1:2014  
MECHANICAL AND PHYSICAL PROPERTIES**

<b>Clause:</b>	<b>Details:</b>	<b>Results:</b>
<b>4</b>	<b><u>General Requirements</u></b>	
<b>4.1</b>	<b>Material Cleanliness</b> <i>Toys shall be visually clean and free from infestation (Visual Assessment).</i>	Pass
<b>4.7</b>	<b>Edges</b> <i>There shall be no non functional or hazardous sharp edges present. Functional sharp edges should be warned accordingly</i>	Pass
<b>4.8</b>	<b>Points and Metallic Wires</b> <i>There shall be no non functional or hazardous sharp points present. Functional sharp points should be warned accordingly.</i>	Pass
<b>4.9</b>	<b>Protruding Parts</b> <i>Shall not constitute a puncture hazard or have suitable protection. Amended item supplied and found to pass this clause</i>	Pass
<b>4.10.3</b>	<b>Hinges</b> <i>Shall not have a gap along the hinge line of between 5mm and 12mm.</i>	Pass
<b>4.16</b>	<b>Heavy Immobile Toys</b> <i>Shall be stable and not tip over on a 5° slope.</i>	Pass
<b>5.0</b>	<b><u>Toys Intended For Children Under 36 Months</u></b> <i>The item is warned in accordance with Clause 7.2</i>	N/A
<b>7</b>	<b><u>Warnings and Instructions for Use</u></b> <i>(See Comment 1 and Comment 2)</i>	--
<b>7.1</b>	<b>General</b> <i>The warning statement shall be clear, visible and legible and state the word "Warning"</i>  <i>**No warnings were present when tested, however the client has confirmed that the appropriate warning will be present</i>	Pass**
<b>7.2</b>	<b>Toys Not Intended for Children Under 36 Months</b> <i>The warning must be present at point of sale with an indication to the hazard and the harm. The symbol may be used in place of "Not suitable for children under 3 years of age".</i>  <i>**No warnings were present when tested, however the client has confirmed that the appropriate warning will be present</i>	Pass**

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**BSEN 71-2:2011+A1:2014  
FLAMMABILITY OF TOYS**

**Clause:** 4.1  
**Details:** General Requirements

**Results:**  
Pass

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**Comment 1**

In order to comply with the requirements of this clause:

**CE mark, importer / manufacturer mark (name, address), product identification** **See Remark**  
**(Sub-content is extracted from the context of EN 71-1)**

Toys made available on the market must bear the CE marking. The CE marking must be subject to the general principles set out in Article 30 of Regulation (EC) No 765/2008. The CE marking must be affixed visibly, legibly and indelibly to the toy, to an affixed label or to the packaging. In the case of small toys and toys consisting of small parts, the CE marking may alternatively be affixed to a label or an accompanying leaflet. Where, in the case of toys sold in counter displays, that is not technically possible, and on condition that the counter display was originally used as packaging for the toy, the CE marking may be affixed to the counter display. Where the CE marking is not visible from outside the packaging, if any, it shall as a minimum be affixed to the packaging. Where specific legislation does not impose specific dimensions, the CE marking must be at least 5 mm high

The manufacturer's name, registered trade name or registered trade mark and the address at which the manufacturer can be contacted must be indicated on the toy or, where that is not possible, on its packaging or in a document accompanying the toy. This requirement applies also to the name and address etc. of any importer.

Manufacturers must ensure that their toys bear a type, batch, serial or model number or other element allowing their identification, or where the size or nature of the toy does not allow it, that the required information is provided on the packaging or in a document accompanying the toy.

CE Mark (minimum 5mm)	Not Applicable
Manufacturers Name/Address	Not Present
Importers Name/Address	Not Present
Batch Code or Suitable Alternative	Not Present

**(Remark:** It is drawn to your attention that the product identification number, name and address of manufacturer and importer in EEC country together with CE-marking should appear as specified in Directive-2009/48/EC-Safety of toys)

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**Comment 2**

The following good practice should be considered

In the following good practice, the guidance documents ISO/IEC Guide 37, Instructions for use of products of consumer interest and CEN/CENELEC Guide 11, Product information relevant to consumers – Guidelines for standard developers have been considered and adopted where appropriate.

**Good practice for visibility and legibility:**

a) Emphasising the warning:

1) emphasise warnings e.g. by placing them in a prominent position on the toy and/or its *packaging*.

The prominent position does not necessarily mean the front panel of the *packaging*. Note that the age warning symbol alone (without the word "Warning") can be placed e.g. on the front of the *packaging*, provided that a complete warning (including the word "Warning") is present on another location of the *packaging*;

2) avoid large amounts of information;

3) do not mix safety information with commercial information;

4) the text of the warnings on the *packaging* should be conspicuous and reasonably related to the font, visibility, legibility and size of other printed matter on the *packaging*;

5) in multi-language text, clearly separate the individual languages, for example by a flag, spacing, country code or other means.

b) Contrast, background and colours:

1) the colour of the warning should be in sharp contrast with the colour of the background. Avoid using similar foreground and background colours such as white text on yellow background. Dark ink on bright paper or bright ink on dark paper provides good contrast;

2) when using the age warning symbol, ensure contrast between the red circle and the background on which the pictogram is placed;

3) for the background of the warning avoid strong background patterns or images that may interfere with the warning;

4) avoid red-green and blue-yellow colour combinations, as these may create problems for persons with colour-vision deficiency.

c) Reflecting surfaces and obscuring material:

1) avoid highly reflecting surfaces and highly reflecting glossy paper leading to poor legibility for surfaces displaying warning text. Avoid transparent *packaging* material that may obscure, blur or deform the warning text.

d) Font type:

1) preferably use sans-serif font types. Avoid the use of different font types in the warning text.

e) Font size:

1) no recommendations for a minimum font size have been set. Setting minimum recommendations might encourage the use of only the smallest specified font size. It is considered more appropriate to give recommendations on other factors that are important for the visibility and legibility of a warning text. However, it is strongly recommended that the font size is increased where possible to improve the visibility and legibility of text. Use font sizes that allow all target groups, including those with corrected vision, to read the warning and

2) consider using larger warning symbols than the minimum size as specified in 7.1 and 7.2.

f) Logical direction of text:

1) place the warning in the logical direction considering the lay-out of the information on the surrounding *packaging* or, if appropriate, the normal orientation of the toy."

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**APPENDIX B**

**EN71-3:2013  
Migration of Certain Elements**

Method: With reference to EN71-3:2013.

Analysis of general elements was performed by ICP-MS. Category (III) scraped off toy material.

**Adjusted Analytical Results: Results Quoted as mg of soluble element per Kg material.**

	Category Limits			Sample Reference		
	I	II	III	1	2	3
Aluminium (Al)	5625	1406	70000	<50	<50	<50
Antimony (Sb)	45	11.3	560	<1	<1	<1
Arsenic (As)	3.8	0.9	47	0.28	<0.15	<0.15
Barium (Ba)	1500	375	18750	180.32	343.91	<50
Boron (B)	1200	300	15000	<50	<50	<50
Cadmium (Cd)	1.3	0.3	17	<0.15	<0.15	<0.15
Chromium (Cr)	-	-	-	0.16	<b>0.37</b>	<b>0.28</b>
Chromium (III) (Cr (III))	37.5	9.4	460	Not Conducted#		
Chromium(VI) (Cr (VI))	0.02	0.005	0.2	Not Conducted#		
Cobalt (Co)	10.5	2.6	130	<1	<1	<1
Copper (Cu)	622.5	156	7700	<5	<5	<5
Lead (Pb)	13.5	3.4	160	<0.15	<0.15	0.33
Manganese (Mn)	1200	300	15000	<50	<50	<50
Mercury (Hg)	7.5	1.9	94	<0.25	<0.25	<0.25
Nickel (Ni)	75	18.8	930	<50	<50	<50
Selenium (Se)	37.5	9.4	460	<1	<1	<1
Strontium (Sr)	4500	1125	56000	<50	<50	<50
Tin (Sn)	15000	3750	180000	<0.1	0.92	<0.1
Organic Tin	0.9	0.2	12	Not Conducted <sup>a</sup>		
Zinc (Zn)	3750	938	46000	<50	69.59	<50

**Results of Analysis – PASS** - See Appendix C for Chromium confirmation for samples 2 and 3

Sample Ref:	Sample Description & Location	Category		
		I	II	III
1.	White plastic frame			✓
2.	Black paint from frame			✓
3.	Black plastic foot stop			✓

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Note : - mg/kg = milligram per kilogram  
 - 1% = 10000 mg/kg = 10000 ppm

- # Levels of Soluble Chromium (III) & Chromium (VI) were not separately determined.

As the level of Soluble Chromium on samples 2 and 3 detected exceeded the stricter limit for Chromium (VI) as specified in EN71-3:2013 further testing is recommended to determine the levels of Chromium (VI)

*See Appendix C for Chromium confirmation conducted in this report.*

- ^ The level of Soluble Organic Tin was not determined.

The level of Soluble Tin, after conversion, detected on samples did not exceed the stricter limit for Organic Tin as specified in EN71-3: 2013.

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**APPENDIX C – Non UKAS**

**BSEN71-3:2013 – Migration of Certain Elements Confirmation of Chromium (VI)**

*Category (III) scraped off toy material.*

**Method:**

Indicative test by UV-Vis.

Chromium (III) was obtained by calculation, Chromium (VI) was analysed by UV-Vis.

**Analytical Results: Results Quoted as mg of soluble element per Kg material.**

Sample Limits	Chromium III 460mg/kg	Chromium VI 0.2mg/kg
2. Black paint from frame	<5	<0.2
3.Black plastic foot stop	<5	<0.2

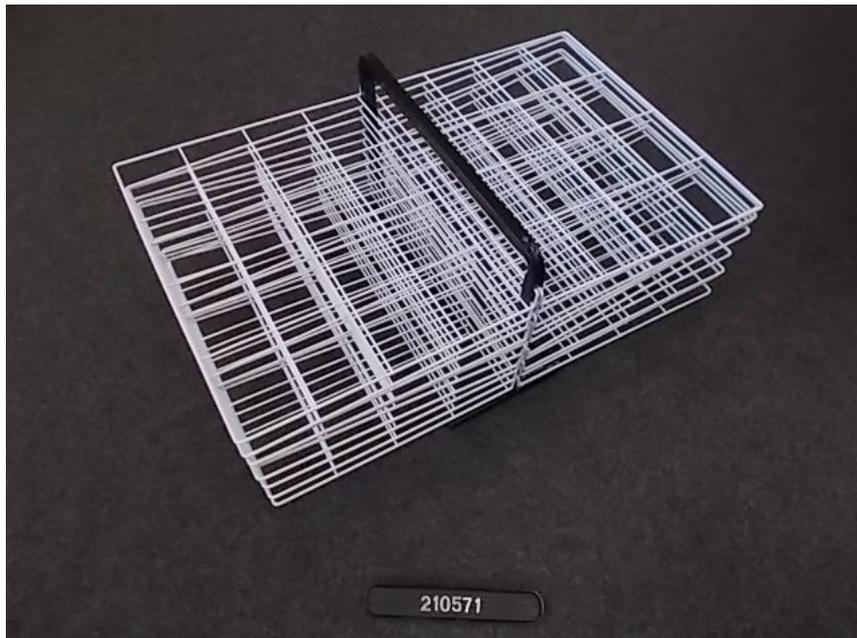
Note : - mg/kg = milligram per kilogram  
 - 1% = 10000 mg/kg = 10000 ppm

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