

GRATNELLS LTD
8 HOWARD WAY
HARLOW
ESSEX
CM20 2SU

Attn: Robin Wass

Test Report No. BTO 192525/1

Issue Date: 21st July 2014

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

Sample Name: Smartcase
Sample Description: Hinged plastic case 37x32 cm, with handle on short edge. Supplied as two separate mouldings. 8 colours.
Sample Submitted: 11th July 2014
Testing Period: Testing conducted between 14th July 2014 and 17th July 2014
Age Grading Applied: All Ages
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 71-1:2011 – Mechanical & Physical
 BSEN 71-2:2011 – Flammability
 BSEN71-3:2013 – Migration of Certain Elements

Result:

Pass¹
 Pass¹
 Pass

¹See Appendix for labelling details

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

Signed for and on behalf of
SGS United Kingdom Ltd.



.....
 Chris Walker, BSc (Hons)
 Technical Manager

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APPENDIX A

**BSEN 71-1:2011
MECHANICAL AND PHYSICAL PROPERTIES**

Clause:	Details:	Results:
<u>4</u>	<u>General Requirements</u>	
4.1	Material Cleanliness <i>Toys shall be visually clean and free from infestation (Visual Assessment).</i>	Pass
4.7	Edges <i>There shall be no non functional or hazardous sharp edges present. Functional sharp edges should be warned accordingly</i>	Pass
4.8	Points And Metallic Wires <i>There shall be no non functional or hazardous sharp points present. Functional sharp points should be warned accordingly.</i>	Pass
4.10.3	Hinges <i>Shall not have a gap along the hinge line of between 5mm and 12mm.</i>	Pass
<u>5.0</u>	<u>Toys Intended For Children Under 36 Months</u> <i>(See Comment 1)</i>	--
5.1	General Requirements <i>Toys shall not produce small parts, sharp edges or sharp points before or after abuse testing.</i>	Pass
<u>7</u>	<u>Warnings and Instructions for Use</u> <i>(See Comment 2)</i>	--

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**BSEN 71-2:2011
FLAMMABILITY OF TOYS**

Clause: 4.1
Details: **General Requirements**
(See Comment 1)

Results:
Pass

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<u>Comment 1</u>									
In order to comply with the requirements of this clause:									
<u>Washing/Cleaning Label</u> (Sub-content is extracted from the context of EN 71-1:2011 and EN 71-2:2011)	<u>See Remark</u>								
According to Directive 2009/48/EC the following safety requirements apply regarding cleaning and washing: A toy intended for use by children under 36 months must be designed and manufactured in such a way that it can be cleaned. A textile toy must, to this end, be washable, except if it contains a mechanism that may be damaged if soak washed. The toy must fulfil the safety requirements also after having been cleaned in accordance with this point and the manufacturer's instructions. The manufacturer should, if applicable, provide instructions on how the toy has to be cleaned.									
Remark: Washing/cleaning label was not found on the item									
<u>Comment 2</u>									
In order to comply with the requirements of this clause:									
<u>CE mark, importer / manufacturer mark (name, address), product identification</u> (Sub-content is extracted from the context of EN 71-1:2011)	<u>See Remark</u>								
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.									
<table border="1"> <tr> <td>CE Mark (minimum 5mm)</td> <td>Present</td> </tr> <tr> <td>Manufacturers Name/Address</td> <td>Not Present</td> </tr> <tr> <td>Importers Name/Address</td> <td>Not Applicable</td> </tr> <tr> <td>Batch Code or Suitable Alternative</td> <td>Present</td> </tr> </table>		CE Mark (minimum 5mm)	Present	Manufacturers Name/Address	Not Present	Importers Name/Address	Not Applicable	Batch Code or Suitable Alternative	Present
CE Mark (minimum 5mm)	Present								
Manufacturers Name/Address	Not Present								
Importers Name/Address	Not Applicable								
Batch Code or Suitable Alternative	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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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	4	5
Aluminium (Al)	5625	1406	70000	<50	<50	<50	<50	<50
Antimony (Sb)	45	11.3	560	<1	<1	<1	<1	<1
Arsenic (As)	3.8	0.9	47	<0.15	<0.15	<0.15	<0.15	<0.15
Barium (Ba)	1500	375	18750	<50	<50	<50	<50	<50
Boron (B)	1200	300	15000	<50	<50	<50	<50	<50
Cadmium (Cd)	1.3	0.3	17	<0.15	<0.15	<0.15	<0.15	<0.15
Chromium (Cr)	-	-	-	0.06	0.04	0.10	0.06	0.05
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	<1	<1
Copper (Cu)	622.5	156	7700	<5	<5	<5	<5	<5
Lead (Pb)	13.5	3.4	160	<0.15	<0.15	<0.15	<0.15	<0.15
Manganese (Mn)	1200	300	15000	<50	<50	<50	<50	<50
Mercury (Hg)	7.5	1.9	94	<0.25	<0.25	<0.25	<0.25	<0.25
Nickel (Ni)	75	18.8	930	<50	<50	<50	<50	<50
Selenium (Se)	37.5	9.4	460	<1	<1	<1	<1	<1
Strontium (Sr)	4500	1125	56000	<50	<50	<50	<50	<50
Tin (Sn)	15000	3750	180000	<0.1	<0.1	<0.1	<0.1	<0.1
Organic Tin	0.9	0.2	12	Not Conducted*				
Zinc (Zn)	3750	938	46000	<50	<50	<50	<50	<50

Results of Analysis – PASS

Sample Ref:	Sample Description & Location	Category		
		I	II	III
1.	Blue plastic			✓
2.	Medium green plastic			✓
3.	Orange plastic			✓
4.	Yellow plastic			✓
5.	Black plastic			✓

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

	Category Limits			Sample Reference		
	I	II	III	6	7	8
Aluminium (Al)	5625	1406	70000	<50	<50	<50
Antimony (Sb)	45	11.3	560	<1	<1	<1
Arsenic (As)	3.8	0.9	47	<0.15	<0.15	<0.15
Barium (Ba)	1500	375	18750	<50	<50	<50
Boron (B)	1200	300	15000	<50	<50	<50
Cadmium (Cd)	1.3	0.3	17	<0.15	<0.15	<0.15
Chromium (Cr)	-	-	-	0.04	0.08	0.06
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	0.2	<0.15
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	<0.1	<0.1
Organic Tin	0.9	0.2	12	Not Conducted*		
Zinc (Zn)	3750	938	46000	<50	<50	<50

Sample Ref:	Sample Description & Location	Category		
		I	II	III
6.	Grey plastic			✓
7.	Green light plastic			✓
8.	Red plastic			✓

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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.

The level of Soluble Chromium detected on samples did not exceed the stricter limit for Chromium (VI) as specified in EN71-3: 2013.

- ^ 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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*** End of Report ***

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