

Gratnells

Quality Certificates, Awards, Memberships and Test Reports



WORLDDIDAC AWARD
for excellence

British Standards BS 5873 1998 Part 4
B.S.I tested and passed for heavy educational use

Tray Trade Mark No. 000278432



Reg. Des. 1052662

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Awards

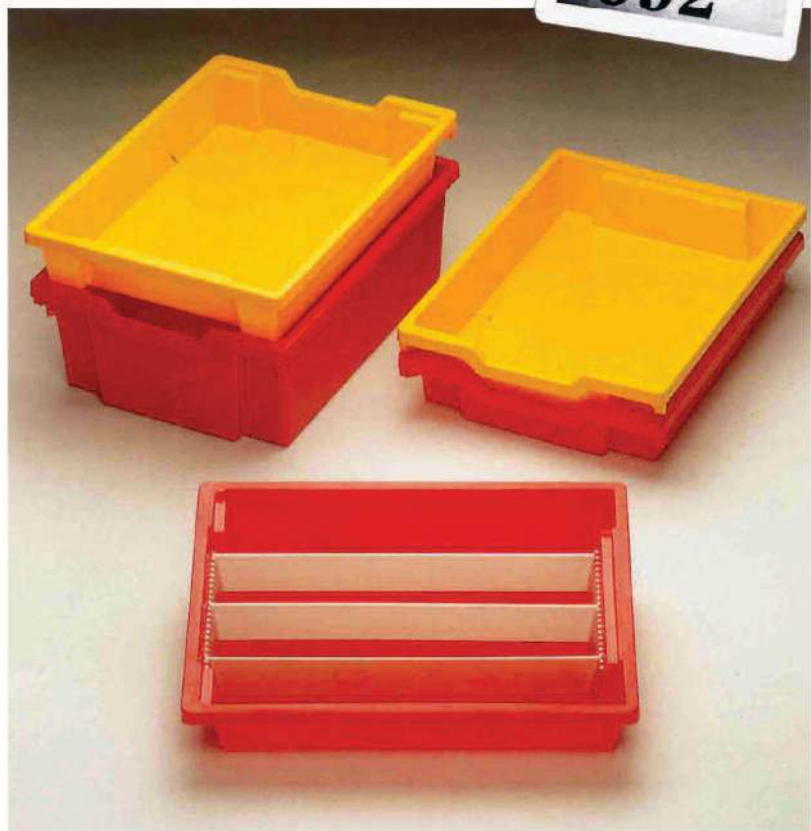


Award 1992



School Tray

The Gratnell tray is designed for school use to fit into wooden furniture, steel frames, cupboards, trolleys or used as an individual student tray. It can be NESTED, STACKED by reversing, or the shallow tray can be divided. It is in two depths to cover a range of items from paperwork to science and technology equipment. It is moulded in 20% talc filled polypropylene for safety in schools because it is CHEMICALLY inert and 22.2mm/min fire retardant. Ten colours available to colour coding. The tray can either have the handle cut-out with side stops or be plain in front to fit either way in wooden furniture.



CERTIFICATE

from the
Worlddidac Foundation

for the Advancement and Development of
Didactic and Pedagogical Educational Materials

In recognition of fulfilment of the international
terms of the competition

Gratnell's Ltd. / GB - London

has been presented with a



for the product

School Tray

Basle, May 1992

Chairman Jury

President Board of Trustees

Outstanding Achievement Award



Education
Resources Awards
2003

Finalist

*Neville Hudson,
Gratnells Limited*

Organised by



Supported by



Sponsored by



Education Exporter of the Year



Education
Resources Awards
2003

Finalist

Gratnells Limited

Organised by



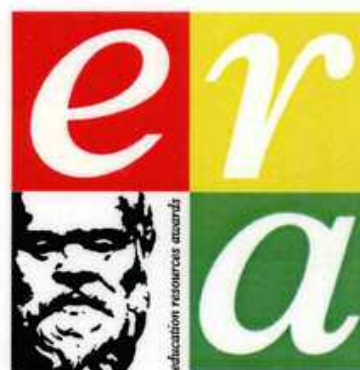
Supported by



Sponsored by



Education Resources: Education Exporter of the Year
(in association with UK Trade and Investment)



Education
Resources Awards
2004

WINNER

Gratnells Ltd

Organised by



Supported by



Sponsored by





Education Resources Awards 2005

Education Exporter of the Year

FINALIST

Gratnells Ltd

Friday 18 March 2005 • The Holte Suite • Aston Villa Football Club • Birmingham





EDUCATION RESOURCES AWARDS 2006

Finalist

Education Exporter of the Year

Gratnells Ltd

Organised by:



Sponsored by:



Supported by:





Supplier of the Year 2007
Education

The Consortium is delighted to nominate

Gratnells Ltd

as one of their

Top Performing Suppliers 2007



Signed 
Melina Patel - Chief Executive

Date: 23rd Nov 2007

Certificates



Registered / Registrato 24/01/2007

No 000278432

**OHIM – OFFICE FOR HARMONIZATION IN THE
INTERNAL MARKET
TRADE MARKS AND DESIGNS**

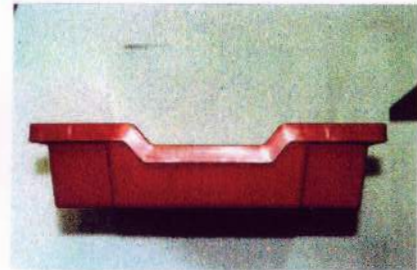
CERTIFICATE OF REGISTRATION

This Certificate of Registration is hereby issued for the Community Trade Mark identified below. The corresponding entries have been recorded in the Register of Community Trade Marks.

**UAMI – UFFICIO PER L'ARMONIZZAZIONE NEL
MERCATO INTERNO
MARCHI, DISEGNI E MODELLI**

CERTIFICATO DI REGISTRAZIONE

Si rilascia il presente certificato di registrazione per il marchio comunitario identificato in appresso. I dati ad esso relativi sono stati iscritti nel Registro dei Marchi Comunitari.



The President / Il Presidente

Certificate of Quality

of the Worlddidac Foundation

This is to certify that the product

Gratstack Educational Tray Storage System


supplied by

Gratnells Ltd
Harlow, Essex, United Kingdom

Has been distinguished with the Certificate of Quality and may
bear the Seal of Quality of the Worlddidac Foundation.



Bern, Switzerland, 6 June 2008



Dominic Savage OBE
Worlddidac Foundation
President of the Board of Trustees



Beat Jost
Worlddidac Foundation
Member of the Board of Trustees

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Gratnell's Ltd. / GB - London

has been presented with a



for the product

School Tray

Basle, May 1992

Chairman Jury

President Board of Trustees

Test Reports



Tyler Way
Swalecliffe
Whitstable
Kent CT5 2RX

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switchboard 01227 813200
sales fax 01227 813213
general fax 01227 792203
email sales@hellyar.co.uk
website www.hellyar.co.uk

25th March, 2008

Mr. Robin Wass
Gratnells Ltd
8 Howard Way
Harlow
Essex CM20 2SU

Dear Robin,

I am pleased to confirm that we do not incorporate any phthalates into any of the products supplied to Gratnells. All of the materials supplied are in compliance with the requirements of EU Directive 2005/84/EC (this being the 22nd amendment to Council directive 76/769/EEC on the marketing and use of certain dangerous substances and preparations (phthalates in toys and childcare articles). I hope this information is of assistance and please do not hesitate to contact me if you have any questions.

Yours sincerely,

Neil Fraser
Technical Director



Hellyar Plastics is the trading name
of John Hellyar and Company Limited
Registered Office as above
Registered in England No. 694742
VAT No. GB 201 2513 20

Fulmer Yarsley Limited
Trowers Way, Redhill
Surrey, RH1 2JN, England
Telephone (0737) 765070
Telex 8951511
Fax (0737) 761229



Technological services to industry

TESTS TO BS 2782: METHOD 508A: 1970 ON A SAMPLE OF FILLED POLYPROPYLENE

REPORT NO. J85392/1

Prepared for:

Gratnell Ltd.,
256 Church Road,
London,
E10 7JQ

Date:

11th December, 1989

A NAMAS TESTING Laboratory No. 0036
A NAMAS CALIBRATION Laboratory No. 0107
Fulmer Yarsley Ltd is a member of the Fulmer Group of Companies
Registered in England No. 1061513

1. INTRODUCTION

A sample of filled polypropylene has been tested to BS 2782: Part 5: Method 508A: 1970 (including current BSI amendments).

The Sponsor's Advice Note of 8th November, 1989 refers.

2. MATERIAL SUBMITTED

The material submitted for test was described by the Sponsor as:-

No. F1 - shallow tray (brown) manufactured from 20% talc filled polypropylene.

The material was supplied as a tray, samples were cut to appropriate size. The material was 2.45mm thick and had an approximate measured density of 1070 Kg/m³.

3. TEST METHOD

Six samples of the material described above were tested on 28th November, 1989 to BS 2782: Part 5: Method 508A: 1970 (including current BSI amendments)

"Methods for Testing Plastics", "Flammability", "Method 508A Rate of Burning".

4. RESULTS

"The following test results relate only to the behaviour of the test specimens under the particular condition of test; they are not intended as a means of assessing the potential fire hazard of the material in use".

Specimen No.	Burn Rate, mm/min.
1	22.4
2	22.1
3	22.3
4	22.2
5	21.8
6	22.8

The mean burn rate was 22.3 mm/min.

Reported by Patul Bateson Checked by N. Rowan
P. Bateson N.T. Rowan
Fire Testing Department Manager, Fire Testing Department

Authorised by DBS
D.B.S. Berry
Divisional Manager

Summary of Tests from BS 5873: (1998): Part 4 To Test Level H

General: Load all parts intended for storage purposes except for the part being tested, with an evenly distributed load of 1.25 Kg/10,000 mm² for horizontal surfaces, shelves & door baskets, and 0.4 kg/dm² for drawers..

G.1 Sustained Load of Trays

Place Tray on it's runners, and load with 0.1 kg/mm of internal depth. Close Tray and Maintain load for 7 days.

G.2 Strength of Trays

Load the Drawer To be tested with 0.05 kg/mm of internal depth, and Open tray to a point at which one-third of the inside length (Depth) of the drawer, or at least 100 mm remains inside the carcass. Apply a vertical force of 350 N, or apply the load until 100 mm of deflection is reached. Repeat 10 times.

G.3 Wear and Fatigue of Trays and Runners

Load Tray with 0.05 kg/mm of internal depth. Gently Fatigue the Tray From Fully Closed to a point where 50 mm of the inside length remains within the carcass, for 40 000 cycles. A support roller supports the underside of the tray when the tray has been extended through 2/3 of its total travel.

G.4 Tray Drop test

Support the tray from one corner with it's bottom surface in the vertical plane and drop the tray vertically downward onto the floor (Rubber faced surface) from 700 mm. Repeat 10 times.

Interpretation of Results

The article shall be considered to have passed the tests if none of the following are observed:

- a) Fracture of any member, joint or component.
- b) Loosening, shown to be permanent by hand pressure applied to suitable members, of joints intended to be rigid.
- c) Deformation or wear of any component that will essentially affect its function.
- d) Loosening of any means of fixing components to the article.
- e) Movable parts that do not open or close freely, or catches that do not operate smoothly.

TECHNICAL REPORT



Expertise • Independence • Integrity

FIRA International Limited
Maxwell Road, Stevenage
Hertfordshire SG1 2EW
T +44 (0)1438 777 700
F +44 (0)1438 777 800
E info@fira.co.uk

A member of the BM TRADA Group of companies
Registered Office: Chiltern House, Stocking Lane
Hughenden Valley, High Wycombe
Buckinghamshire HP14 4ND UK
Registered No. 3161481 England

GRATNELLS LIMITED

Howards Way
Harlow
Essex
CM20 2SU

Our Ref: **TSCAF33083**

Date: 28 April 2010

Test Date 9 - 26 April 2010

For the attention of Mr Robin Wass

SAMPLE(S) FOR TEST :

One, Plastic Trays

TEST REQUIREMENTS :

BS 5873-4: 1998 Test Level H

RESULT :

PASS

FIRA is a UKAS TESTING Laboratory No. 0174

Tests marked "Not UKAS Accredited" in this Report are not included in the UKAS Accreditation Schedule for our laboratory.

Opinions and interpretations expressed herein are outside the scope of UKAS Accreditation.

This Report relates to the sample(s) submitted for test and no others. Additions, deletions or alterations are not permitted.

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Tests are carried out on the understanding that neither the Association nor its officers can accept any legal responsibility for information or advice given or opinions expressed whether in response to specific enquiries or otherwise.

This Report is given subject to the Terms of Business of FIRA International which are available from the Secretary at the address shown.



0174

TSCAF33083
Page 1 of 9

TECHNICAL REPORT



Maxwell Road, Stevenage,
Hertfordshire SG1 2EW, England
Telephone +44 (0) 1438 777700
Facsimile +44 (0) 1438 777800
e-mail: info@fira.co.uk
website: www.fira.co.uk

Gratnells Limited

8 Howard Way
Harlow
Essex
CM20 2SU

Our Ref: **TRELF34132**

Date: 5th July 2010

Delivery Date: 10th June 2010

Test Dates: 14th to 30th June 2010

For the attention of Robin Wass

SAMPLE(S) FOR TEST :

8 x Blue Trays and 2 x Clear Lids

TEST REQUIREMENTS :

BS EN 71-1:2005 Safety of Toys
(Subcontracted to a UKAS accredited laboratory)

BS EN 71-3:1995 Migration of elements
(Subcontracted to a UKAS accredited laboratory)

RESULT :

PASS

PASS

FIRA is a UKAS TESTING Laboratory No. 0174

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0174

TRELF34132
Page 1 of 3

FIRA International Limited

A member of the TTL Chiltern Group
of companies

Registered Office:
Chiltern House, Stocking Lane,
Hughenden Valley, High Wycombe,
Buckinghamshire HP14 4ND, UK.

Registered No 3181481 England

Test Certificate



Expertise • Independence • Integrity

This certificate confirms that the

PLASTIC TRAYS -

3" Yellow Tray F1

6" Yellow Tray F2

9" Yellow Tray F25

12" Blue Tray F3

LF1 Lid

Supplied by

GRATNELLS LTD

has been tested at FIRA International Limited and successfully satisfied the selected test requirements from:

BS 5873 – 4: 1998 Test Level H

Report reference: TSCAF33083 refers

SIGNATURE

Mark Goodchild

POSITION

Technical Specialist - Cabinets

CERTIFICATE DATE

26 April 2010

For and on behalf of FIRA INTERNATIONAL LIMITED



Expertise • Independence • Integrity

This certificate only relates to the sample(s) supplied and tested at the time. Re-testing at intervals is recommended and should be subject to agreement between the supplier and the purchaser.

FIRA International Ltd Maxwell Road, Stevenage, Hertfordshire SG1 2EW, England.



GRATNELLS LTD
8 HOWARD WAY
HARLOW
ESSEX
CM20 2SU

Attn: Robin Wass

Test Report No. BAN 130254/2
Issue Date: 9th November 2009

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

Sample Name: Storage Boxes
Sample Description: Selection of plastic storage boxes in colour red, yellow, blue, green, and translucent in sizes F1, F2, F25, F3, DG107-2 and DG108-2.
Sample Reference: None provided
Date of Receipt: 27th August 2009
Testing Period: Testing conducted between 3rd November 2009 and 6th November 2009.
Testing Requested: Please refer to result summary.
Test Method & Results: Please refer to following pages.

Result Summary:	Test Requested	Conclusion
	US California Proposition 65 (County of Alameda	Pass
	Case No. BG – 07350969)	
	(As per client request)	
	CPSIA section 108 – Phthalates	Pass
	(As per client request)	

Signed for and on behalf of
SGS United Kingdom Ltd

Jo Pinkess BA (Hons) C Text ATl
Operations Manager

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SGS United Kingdom Ltd Crossley Hall House, Thornton Road, Bradford BD8 0HH Tel +44 (0)1274 367980 Fax +44 (0)1274 367998
Registered in England No. 1193985 Rossmore Business Park, Ellesmere Port, Cheshire CH65 3EN www.sgs.com
Member of SGS Group (SA Group)

Report No. **BTO 39942/1**

Date: 14 November 2005

Page 1 of 3

Report On Submitted Sample Received On 01/11/2005

Sample Description: Plastic Lids
Details of Sample: A clear plastic lid
Warnings: NA
CE Mark: N/A
Age Grading Applied: All Ages



Testing Required:

Although the item is not a toy, SGS were requested to test for compliance with the European Standard on Safety of Toys:

BSEN 71-1:2001 Incorporating Amendments Nos. 1, 2, 3 and 4
BSEN 71-2:2003
BSEN 71-3:1995 Incorporating Amendment No. 1

Result:

Pass
Pass
Pass

¹ See Appendix A for details of proviso

Conclusions:

The submitted samples as detailed above, complied with the requirements as listed above, with the proviso that the item be marked appropriately as detailed in Appendix A.

Signed

N.H. Beaumont C. Chem, M.R.S.C. I. Eng. A.M.I.M.
Technical Manager, Hardlines Department

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Test Certificate

This certificate confirms that the

HAPPYSTACK TREBLE

Manufactured/Supplied by

Gratnells Limited

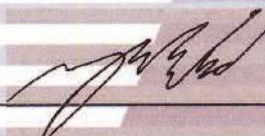
has been tested at FIRA International Limited and successfully satisfied the applicable test requirements from:

BS 5873-4:1998 Test Level H

According to the Standard the Happystack Treble is therefore considered to be structurally suitable and sufficiently stable for educational contract use.

Report reference: TSCAF8063 refers

SIGNATURE



Mark Goodchild

POSITION

Technical Specialist

CERTIFICATE DATE

20 May 2009

For and on behalf of FIRA INTERNATIONAL LIMITED

This certificate only relates to the sample(s) supplied and tested at the time. Re-testing at intervals is recommended and should be subject to agreement between the supplier and the purchaser.



Test Report No. BTO 124718/1b
Amending Test Report BTO 124718/1
Issue Date: 8th April 2009

GRATNELLS LTD
 8 HOWARD WAY
 HARLOW
 ESSEX
 CM20 2SU
 Attn: Robin Wass

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

Sample Description: Happy Stacks

Details of Sample: Selection of plastic storage trays, screws, covers and plastic mouldings with smiley face image.

Date of Receipt: 4th March 2009

Testing Period: Testing conducted between 10th March 2009 and 7th April 2009.

Testing Requested: Total Cadmium determination for compliance with:
 Environmental Protection (Controls on Injurious Substances) (No 2) Regulations 1993
 Council Directive 91/338/EEC

Results: See Page 2

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

Signed for and on behalf of
 SGS United Kingdom Ltd.

.....
 Jo Pinkess BA (Hons) C Text ATI
 Operations Manager

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 Registered in England No. 1193985 Rossmore Business Park, Ellesmere Port, Cheshire CH65 3EN www.sgs.com
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**Results:**

Total Cadmium Tests carried out in compliance with in house method ANA 003 based on BSEN 1122:2001 Method B.

Element	Limit	Analytical Results (mg/kg)					
		Sample Reference					
		1	2	3	4	5	6
Total Cadmium	100	<5	<5	<5	<5	<5	<5

Details of Analytical Samples:

1. Yellow plastic tray
2. Red plastic tray
3. Blue plastic tray
4. Yellow plastic mould
5. Red plastic mould
6. Blue plastic mould



SGS authenticate the photo on original report only

*** End of Report ***

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Test Report No. BTO 124718/1a
Amending Test Report BTO 124718/1
Issue Date: 8th April 2009

GRATNELLS LTD
8 HOWARD WAY
HARLOW
ESSEX
CM20 2SU
Attn: Robin Wass

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

Sample Description: Gratstacks

Details of Sample: Selection of beige coloured plastic racking.

Date of Receipt: 4th March 2009

Testing Period: Testing conducted between 10th March 2009 and 19th March 2009.

Testing Requested: Total Cadmium determination for compliance with:
Environmental Protection (Controls on Injurious Substances) (No 2) Regulations 1993
Council Directive 91/338/EEC

Results: See Page 2

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

Signed for and on behalf of
SGS United Kingdom Ltd.

Jo Pinkess BA (Hons) C Text ATI
Operations Manager

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Registered in England No. 1193985 Rossmore Business Park, Ellesmere Port, Cheshire CH65 3EN www.sgs.com
Member of SGS Group (SA Group)

**Results:**

Total Cadmium Tests carried out in compliance with in house method ANA 003 based on BSEN 1122:2001 Method B.

Element	Limit	Analytical Results (mg/kg)
		Sample Reference
Total Cadmium	100	1
		<5

Details of Analytical Samples:

1. Beige plastic (Gratstacks)



SGS authenticate the photo on original report only

*** End of Report ***

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Member of SGS Group (SA Group)

GRATNELLS LTD
8 HOWARD WAY
HARLOW
ESSEX
CM20 2SU
UNITED KINGDOM

Attn: Robin Wass

Test Report No. BTO 117663/1
Issue Date: 23rd April 2008

Sample Description: Gratstack
Sample Reference: 008562
Details of Sample: A black plastic yellow plastic tray tower, having clear plastic wheels with an extendable handle and a black fabric security strap.
Sample Submitted: 27th March 2008
Date of Test: Testing conducted between 14th April 2008 and 22nd April 2008
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.

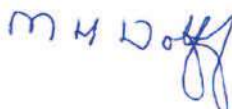
BSEN 71-1:2005
BSEN 71-3:1995 Incorporating Amendment No. 1

Result:
Pass ¹
Pass

¹ See Appendix A for details of proviso

Conclusion: The submitted samples as detailed above, complied with the requirements as listed above, with the proviso that the item be marked appropriately as detailed in Appendix A.

Signed for and on behalf of
SGS United Kingdom Ltd.



Melvyn Wolff
Hardlines Technical Manager

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APPENDIX A

BSEN 71-1:2005 MECHANICAL AND PHYSICAL PROPERTIES

Clause:	Details:	Results:
4.1	Material	Pass
4.7	Edges	Pass
4.8	Points and Wires	Pass
4.9	Protruding Parts	Pass
5.0	Toys Intended for Children Under 36 Months	N/A
	<i>The item is warned in accordance with Clause 7.2</i>	
7.1	General Requirements	S/C 1
7.2	Toys Not Intended for Children Under 36 Months	Pass
	<i>The client has confirmed that the appropriate warning will be present.</i>	

S/C = See Comment

Comments:

- In order to comply with the requirements of this clause, the item or its packaging must be marked accordingly with the EU name and address, and a note to retain this information if it is not permanently attached to the item.

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APPENDIX B

BSEN 71-3:1995 Incorporating Amendment No. 1 MIGRATION OF CERTAIN ELEMENTS

10. Determination Of The Quantity Of Migrated Elements

Analysis of samples for migration of certain elements for BSEN 71-3: 1995 requirements was carried out using Atomic Absorption or Inductively Coupled Argon Plasma Spectrometry.

Adjusted Analytical Results

Results Quoted as mg soluble element per Kg material.

Element:	Arsenic	Barium	Cadmium	Chromium	Mercury	Lead	Antimony	Selenium
Limit:	25	1000	75	60	60	90	60	500
Sample 1	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5
Sample 2	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5
Sample 3	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5
Sample 4	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5
Sample 5	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5
Sample 6	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5
Sample 7	≤ 5	≤ 5	≤ 5	15	≤ 5	≤ 5	≤ 5	≤ 5

Results of Analysis:

PASS

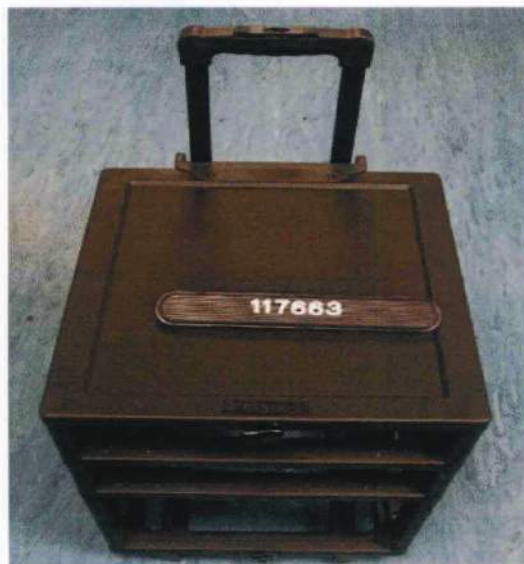
Details of Analytical Samples

Sample 1	Black plastic from frame
Sample 2	Black brushed elastic fabric
Sample 3	Black male Velcro fabric from strap
Sample 4	Grey plastic from wheel trim
Sample 5	Opaque plastic from wheels
Sample 6	Clear plastic from compass
Sample 7	Black paint from handle extension bars

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GRATNELLS LTD
8 HOWARD WAY
HARLOW
ESSEX
CM20 2SU
UNITED KINGDOM

Test Report No. BTO 107524/1
Date: 13/03/2007

Attn: Robin Wells

Testing conducted between 28/02/2007 and 14/03/2007

Sample Description: Storage Boxes

Details of Sample: A set of coloured hard plastic storage boxes with a beige plastic storage frame. The item is packaged in a plastic bag and comes with instructions.

Warnings: Not Present

CE Mark: N/A

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 71-1:2005
BSEN 71-2:2006
BSEN 71-3:1995 Incorporating Amendment No. 1

Result:
Pass
Pass
Pass

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

Signed 
N. L. Pratt, BSc (Hons)
Hardlines Technologist

Signed 
L. R. Sandwith, BSc (Hons)
Chemical-Technologist

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APPENDIX A

BSEN 71-1:2005 MECHANICAL AND PHYSICAL PROPERTIES

Clause:	Details:	Results:
4.1	Material	Pass
4.2	Assembly	Pass
4.7	Edges	Pass
4.8	Points and Wires	Pass
5.0	Toys Intended For Children Under 36 Months	N/A
	The item is warned in accordance with clause 7.2	
6.0	Packaging	Pass
7.1	General Requirements	Pass
	<i>Excluding CE mark requirements.</i>	
7.2	Toys Not Intended for Children Under 36 Months	Pass

BSEN 71-2:2006 FLAMMABILITY OF TOYS

Clause:	Details:	Results:
4.1	General Requirements	Pass

APPENDIX B

BSEN 71-3:1995 Incorporating Amendment No. 1 MIGRATION OF CERTAIN ELEMENTS

10. Determination Of The Quantity Of Migrated Elements

Analysis of samples for migration of certain elements for BSEN 71-3: 1995 requirements was carried out using Atomic Absorption or Inductively Coupled Argon Plasma Spectrometry.

Adjusted Analytical Results

Results Quoted as mg soluble element per Kg material.

Element:	Arsenic	Barium	Cadmium	Chromium	Mercury	Lead	Antimony	Selenium
Limit:	25	1000	75	60	60	90	60	500
Sample 1	≤5	15	≤5	≤5	≤5	≤5	≤5	≤5
Sample 2	≤5	15	≤5	≤5	≤5	≤5	≤5	≤5
Sample 3	≤5	≤5	≤5	≤5	≤5	≤5	≤5	≤5
Sample 4	≤5	10	≤5	≤5	≤5	20	≤5	≤5
Sample 5	≤5	≤5	≤5	≤5	≤5	≤5	≤5	≤5
Sample 6	≤5	≤5	≤5	≤5	≤5	≤5	≤5	≤5
Sample 7	≤5	10	≤5	≤5	≤5	≤5	≤5	≤5

Results of Analysis:

PASS

Details of Analytical Samples

Sample 1	Red plastic
Sample 2	Blue plastic
Sample 3	Brown plastic
Sample 4	Yellow Plastic
Sample 5	Green plastic
Sample 6	Clear plastic from lid
Sample 7	Black rubber from lid

End of Report

GRATNELLS LTD
8 HOWARD WAY
HARLOW
ESSEX
CM20 2SU
UNITED KINGDOM

Attn: Robin Wass

Test Report No. BTO 118359/1
Issue Date: 30th April 2008

Sample Description: Blue and Yellow Trays
Sample Reference: N1 / N2
Details of Sample: Blue and yellow plastic trays.
Sample Submitted: 24th April 2008
Date of Test: Testing conducted between 25th April 2008 and 29th April 2008
Age Grading Applied: All Ages
Testing Required: For compliance with the European Standard on Safety of Toys:

BSEN 71-1:2005
BSEN 71-2:2006
BSEN 71-3:1995 Incorporating Amendment No. 1

Result:
Pass ¹
Pass
Pass

¹ See Appendix A for details of proviso

Conclusion: The submitted samples as detailed above, complied with the requirements as listed above with the proviso that the item be marked appropriately as detailed in Appendix A.

Signed for and on behalf of
SGS United Kingdom Ltd.



.....
Melvyn Wolff
Hardlines Technical Manager

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APPENDIX A**BSEN 71-1:2005
MECHANICAL AND PHYSICAL PROPERTIES**

Clause:	Details:	Results:
4.1	Material	Pass
4.7	Edges	Pass
4.8	Points and Wires	Pass
5.1	General Requirements	Pass
7.1	General Requirements	S/C 1

S/C = See Comment

Comments:

1. In order to comply with the requirements of this clause, the item or its packaging must be marked accordingly with the name / address of the manufacturer, supplier or importer in the EU, and a note to retain this information if it is not permanently attached to the item.

**BSEN 71-2:2006
FLAMMABILITY OF TOYS**

Clause:	Details:	Results:
4.1	General Requirements	Pass

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APPENDIX B**BSEN 71-3:1995 Incorporating Amendment No. 1
MIGRATION OF CERTAIN ELEMENTS****10. Determination Of The Quantity Of Migrated Elements**

Analysis of samples for migration of certain elements for BSEN 71-3: 1995 requirements was carried out using Atomic Absorption or Inductively Coupled Argon Plasma Spectrometry.

Adjusted Analytical Results

Results Quoted as mg soluble element per Kg material.

Element:	Arsenic	Barium	Cadmium	Chromium	Mercury	Lead	Antimony	Selenium
Limit:	25	1000	75	60	60	90	60	500
Sample 1	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5
Sample 2	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5

Results of Analysis:**PASS****Details of Analytical Samples**

Sample 1 Yellow plastic
Sample 2 Blue plastic



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Test Report No. BTO 124718/1c
Amending Test Report BTO 124718/1
Issue Date: 8th April 2009

GRATNELLS LTD
8 HOWARD WAY
HARLOW
ESSEX
CM20 2SU
Attn: Robin Wass

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

Sample Description: NP2 Trays + Green Tray (F25)

Details of Sample: Blue and green plastic trays

Date of Receipt: 4th March 2009

Testing Period: Testing conducted between 10th March 2009 and 7th April 2009.

Testing Requested: Total Cadmium determination for compliance with:
Environmental Protection (Controls on Injurious Substances) (No 2) Regulations 1993
Council Directive 91/338/EEC

Results: See Page 2

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

Signed for and on behalf of
SGS United Kingdom Ltd.

Jo Pinkess BA (Hons) C Text ATI
Operations Manager

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Opinions and interpretations expressed herein are outside the scope of UKAS Accreditation.

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**Results:**

Total Cadmium Tests carried out in compliance with in house method ANA 003 based on BSEN 1122:2001 Method B.

Element	Limit	Analytical Results (mg/kg)	
		Sample Reference	
Total Cadmium	100	1	2
		<5	<5

Details of Analytical Samples:

1. Blue plastic (NP2 tray)
2. Green plastic (F25 tray)



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*** End of Report ***

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Report No. BTO 38842/1

Date : 13 July 2005

Page 1 of 3

Report On Submitted Sample Received On 22/08/2005

Sample Description: Plastic Trays + Stickers

Details of Sample: An assortment of four 3" depth plastic trays (red/yellow/green/blue) and three red plastic trays with depths of 6", 9" and 12". The item also contains two sheets of white and blue printed stickers.

Warnings: NA

CE Mark: NA

Age Grading Applied: All Ages



Testing Required: Although the item is not a toy SGS was requested to test the item for compliance with the European Standard on Safety of Toys:

BSEN 71-1:2001 Incorporating Amendments Nos. 1, 2, 3 and 4
BSEN 71-2:2003
BSEN 71-3:1995 Incorporating Amendment No. 1

Result

Pass
Pass
Pass

¹ See Appendix A for details of proviso

Conclusions: The submitted samples as detailed above, complied with the requirements as listed above, with the proviso that the item be marked appropriately as detailed in Appendix A.

Signed

N.H. Beaumont C. Chem. M.R.S.C. I. Eng.A.M.I.M.
Manager, Toy Testing Department

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TECHNICAL REPORT



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E info@fira.co.uk

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Hughenden Valley, High Wycombe
Buckinghamshire HP14 4ND UK
Registered No. 3161461 England

Gratnells Limited
8 Howard Way
Harlow
Essex
CM20 2SU

Our Ref: **TRELF37701**

Date: 28th April 2011

Delivery Date: 9th March 2011

Test Dates: 21st March to 18th April 2011

For the attention of Robin Wass

SAMPLE(S) FOR TEST :

5^{NO}. Q2 Plastic Trays (Red, Blue, Green Yellow and Clear)

TEST REQUIREMENTS :

BS EN 71-1:2005 + A9:2009 Safety of Toys
(Subcontracted to a UKAS accredited laboratory)

BS EN 71-2:1995 Migration of elements
(Subcontracted to a UKAS accredited laboratory)

BS EN 71-3:1995 Migration of elements
(Subcontracted to a UKAS accredited laboratory)

BS 2782-0:2004 Method 508A Rate of Burning
(Subcontracted to a UKAS accredited laboratory)

RESULT :

PASS

PASS

PASS

PASS

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0174

TRELF37701

Page 1 of 4

Test Report No. BTO 184248/2
Issue Date: 2nd January 2014

GRATNELLS LTD
8 HOWARD WAY
HARLOW
ESSEX
CM20 2SU
Attn: Robin Wass

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

Sample Description: Assorted Plastic Storage Trays and Lids

Details of Sample: Plastic storage trays in four sizes (different depths). The trays come in blue, yellow, red, green, orange and a light blue. Supplied with a clear plastic lid that fits all trays.

Date of Receipt: 21st November 2013

Testing Period: Testing conducted between 10th December 2013 and 13th December 2013.

Testing Requested: Phthalate Content*
**(Please note that this testing was subcontracted to another laboratory with the SGS Group of Companies)*

Test Method: With reference to EN 14372:2004. Analysis was performed by Gas Chromatography / Mass Spectrometry.

Test Results: See page 2 for details

Conclusion: The level of the six phthalates did not exceed the limits specified by entries 51 and 52 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2005/84/EC)

Signed for and on behalf of
SGS United Kingdom Ltd.

Chris Walker BSc (Hons)
Technical Manager

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SGS United Kingdom Ltd

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Registered in England No. 1193985 Rossmore Business Park, Ellesmere Port, Cheshire CH65 3EN www.sgs.com
Member of SGS Group (SA Group)

Results:

	Results (%)			Recommended Max Limit (%)
	1	2	3	
Dibutyl Phthalate (DBP)	n.d.	n.d.	n.d.	-
Benzylbutyl Phthalate (BBP)	n.d.	n.d.	n.d.	-
Bis-(2-ethylhexyl) Phthalate (DEHP)	n.d.	n.d.	n.d.	-
Total (DEHP, DBP, BBP)	n.d.	n.d.	n.d.	0.1
Conclusion	Pass	Pass	Pass	

	Results (%)			Recommended Max Limit (%)
	1	2	3	
Di-n-octyl Phthalate (DNOP)	n.d.	n.d.	n.d.	-
Diisononyl Phthalate (DINP)	n.d.	n.d.	n.d.	-
Diisodecyl Phthalate (DIDP)	n.d.	n.d.	n.d.	-
Total (DINP, DIDP, DNOP)	n.d.	n.d.	n.d.	0.1
Conclusion	Pass	Pass	Pass	

	Results (%)				Recommended Max Limit (%)
	4	5	6	7	
Dibutyl Phthalate (DBP)	n.d.	n.d.	n.d.	n.d.	-
Benzylbutyl Phthalate (BBP)	n.d.	n.d.	n.d.	n.d.	-
Bis-(2-ethylhexyl) Phthalate (DEHP)	n.d.	n.d.	n.d.	n.d.	-
Total (DEHP, DBP, BBP)	n.d.	n.d.	n.d.	n.d.	0.1
Conclusion	Pass	Pass	Pass	Pass	

	Results (%)				Recommended Max Limit (%)
	4	5	6	7	
Di-n-octyl Phthalate (DNOP)	n.d.	n.d.	n.d.	n.d.	-
Diisononyl Phthalate (DINP)	n.d.	n.d.	n.d.	n.d.	-
Diisodecyl Phthalate (DIDP)	n.d.	n.d.	n.d.	n.d.	-
Total (DINP, DIDP, DNOP)	n.d.	n.d.	n.d.	n.d.	0.1
Conclusion	Pass	Pass	Pass	Pass	

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Sample Details:

1. Orange plastic
2. Blue plastic
3. Light blue plastic
4. Green plastic
5. Yellow plastic
6. Red plastic
7. Transparent plastic from lid

Note: n.d. = not detected

* = exceed the limit

% = percentage by weight

Detection Limit:

DBP, BBP, DEHP and DNOP = 0.003% (for individual compound)

DINP and DIDP = 0.01% (for individual compound)

Remark:

0.1% for Total (DBP+BBP+DEHP) For all childcare articles

0.1% for Total (DINP+DNOP+DIDP) For childcare articles if it can be placed in the mouth

Recommended Max Limit specified by entries 51 and 52 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2005/84/EC)

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Test Report No. BTO 184248/4
Issue Date: 3rd January 2014

GRATNELLS LTD
 8 HOWARD WAY
 HARLOW
 ESSEX
 CM20 2SU
 Attn: Robin Wass

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

Sample Description: Assorted Plastic Storage Trays and Lids

Details of Sample: Plastic storage trays in four sizes (different depths). The trays come in blue, yellow, red, green, orange and a light blue. Supplied with a clear plastic lid that fits all trays.

Date of Receipt: 21st November 2013

Testing Period: Testing conducted between 16th December 2013 and 27th December 2013.
(Please note that this testing was conducted at another laboratory within the SGS group of companies)

Test Requested:

	Conclusion
European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendments – Organostannic compounds	PASS

Signed for and on behalf of
 SGS United Kingdom Ltd.

Chris Walker, BSc (Hons)
 Technical Manager

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Results:

European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendments – Organostannic compounds

Method: With reference to ISO 17353:2004

Analysis was performed by Gas Chromatography Mass Spectrometer (GC-MS)

Test Item(s)	Results (%)				MDL (%)	Permissible Limit (%)
Specimen No.	1	2	3	4		
Dibutyltin (DBT) (as Tin)	ND	ND	ND	ND	0.010	0.1
dioctyltin (DOT) (as Tin)	ND	ND	ND	ND	0.010	0.1
Tri-substituted Organostannic Compounds (as Tin)	ND	ND	ND	ND	0.010	0.1

Test Item(s)	Results (%)			MDL (%)	Permissible Limit (%)
Specimen No.	5	6	7		
Dibutyltin (DBT) (as Tin)	ND	ND	ND	0.010	0.1
dioctyltin (DOT) (as Tin)	ND	ND	ND	0.010	0.1
Tri-substituted Organostannic Compounds (as Tin)	ND	ND	ND	0.010	0.1

Sample Details:

1. Orange plastic
2. Blue plastic
3. Light blue plastic
4. Green plastic
5. Yellow plastic
6. Red plastic
7. Transparent plastic from lid

Note:

% = percentage by weight

MDL = Method Detection Limit

ND = Not Detected (lower than MDL)

Tri-substituted Organostannic compounds are represented by Tributyltin (TBT) compounds, Triphenyltin (TPT) compounds, Tricyclohexyltin (TCyT) compounds and Tri-n-octyltin (TOT) compounds

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GRATNELLS LTD
8 HOWARD WAY
HARLOW
ESSEX
CM20 2SU

Test Report No. BTO 184248/5

Issue Date: 8th January 2014

Attn: Robin Wass

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

Sample Name: Assorted Plastic Storage Trays and Lids

Sample Description: Plastic storage trays in four sizes (different depths). The trays come in blue, yellow, red, green, orange and a light blue. Supplied with a clear plastic lid that fits all trays.

Sample Receiving Date: 21st November 2013

Testing Period: Testing conducted between 16th December 2013 and 27th December 2013

Test Requested: Please refer to the result summary.
(Please note that this testing was conducted at another laboratory within the SGS group of companies)

Test Method & Results: Please refer to next page

Result Summary:

Test Item	Conclusion
Polynuclear Aromatic Hydrocarbons (PAHs) content	Pass

Signed for and on behalf of
SGS United Kingdom Ltd.

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

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Test Results:

Polynuclear Aromatic Hydrocarbons (PAHs)

Method: With reference to ZEK 01.4 - 08 with column cleanup method. Analysis was conducted by Gas Chromatography-Mass Spectrometry.

For skin contact longer than 30 seconds.

Test Item	CAS Number	Result (mg/kg)				Reporting Limit (mg/kg)	Reference Limit (mg/kg)
		1	2	3	4		
1. Naphthalene	91-20-3	ND	ND	ND	ND	0.2	--
2. Acenaphthylene	208-96-8	ND	ND	ND	ND	0.2	--
3. Acenaphthene	83-32-9	ND	ND	ND	ND	0.2	--
4. Fluorene	86-73-7	ND	ND	ND	ND	0.2	--
5. Phenanthrene	85-01-8	ND	ND	ND	ND	0.2	--
6. Anthracene	120-12-7	ND	ND	ND	ND	0.2	--
7. Fluoranthene	206-44-0	ND	ND	ND	ND	0.2	--
8. Pyrene	129-00-0	ND	ND	ND	ND	0.2	--
9. Benz(a)anthracene	56-55-3	ND	ND	ND	ND	0.2	--
10. Chrysene	218-01-9	ND	ND	ND	ND	0.2	--
11. Benzo(b)fluoranthene	205-99-2	ND	ND	ND	ND	0.2	--
12. Benzo(k)fluoranthene	207-08-9	ND	ND	ND	ND	0.2	--
13. Benzo(j)fluoranthene	205-82-3	ND	ND	ND	ND	0.2	--
14. Benzo(a)pyrene	50-32-8	ND	ND	ND	ND	0.2	1
15. Benzo(e)pyrene	192-97-2	ND	ND	ND	ND	0.2	--
16. Indeno(1,2,3-cd)pyrene	193-39-5	ND	ND	ND	ND	0.2	--
17. Dibenzo(a,h)anthracene	53-70-3	ND	ND	ND	ND	0.2	--
18. Benzo(g,h,i)perylene	191-24-2	ND	ND	ND	ND	0.2	--
Total PAHs	--	ND	ND	ND	ND	--	10
Comment	--	Pass	Pass	Pass	Pass	--	--

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Test Item	CAS Number	Result (mg/kg)			Reporting Limit (mg/kg)	Reference Limit (mg/kg)
		5	6	7		
1. Naphthalene	91-20-3	ND	ND	ND	0.2	--
2. Acenaphthylene	208-96-8	ND	ND	ND	0.2	--
3. Acenaphthene	83-32-9	ND	ND	ND	0.2	--
4. Fluorene	86-73-7	ND	ND	ND	0.2	--
5. Phenanthrene	85-01-8	ND	ND	ND	0.2	--
6. Anthracene	120-12-7	ND	ND	ND	0.2	--
7. Fluoranthene	206-44-0	ND	ND	ND	0.2	--
8. Pyrene	129-00-0	ND	ND	ND	0.2	--
9. Benz(a)anthracene	56-55-3	ND	ND	ND	0.2	--
10. Chrysene	218-01-9	ND	ND	ND	0.2	--
11. Benzo(b)fluoranthene	205-99-2	ND	ND	ND	0.2	--
12. Benzo(k)fluoranthene	207-08-9	ND	ND	ND	0.2	--
13. Benzo(i)fluoranthene	205-82-3	ND	ND	ND	0.2	--
14. Benzo(a)pyrene	50-32-8	ND	ND	ND	0.2	1
15. Benzo(e)pyrene	192-97-2	ND	ND	ND	0.2	--
16. Indeno(1,2,3-cd)pyrene	193-39-5	ND	ND	ND	0.2	--
17. Dibenzo(a,h)anthracene	53-70-3	ND	ND	ND	0.2	--
18. Benzo(g,h,i)perylene	191-24-2	ND	ND	ND	0.2	--
Total PAHs	--	ND	ND	ND	--	10
Comment	--	Pass	Pass	Pass	--	--

Sample Description

1. Orange plastic
2. Blue plastic
3. Light blue plastic
4. Green plastic
5. Yellow plastic
6. Red plastic
7. Transparent plastic

Note:

1. mg/kg = milligram per kilogram
2. ND = Not Detected

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Remark: Reference limits are quoted from ZEK 01.4-08 – Prüfung und Bewertung von Polycyclischen Aromatischen Kohlenwasserstoffen (PAK) bei der GS-Zeichen-Zuerkennung.



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GRATNELLS LTD
8 HOWARD WAY
HARLOW
ESSEX
CM20 2SU
Attn: Robin Wass

Test Report No. BTO 184248/7
Issue Date: 3rd January 2014

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

Sample Name: Assorted Plastic Storage Trays and Lids

Sample Description: Plastic storage trays in four sizes (different depths). The trays come in blue, yellow, red, green, orange and a light blue. Supplied with a clear plastic lid that fits all trays.

Date of Receipt: 21st November 2013

Testing Period: Testing conducted between 16th December 2013 and 27th December 2013.
(Please note that this testing was conducted at another laboratory within the SGS group of companies)

Testing Required: Please refer to the result summary

Test Method & Results: Please refer to next page(s)

Result Summary:	Test Requested	Conclusion
	EN71 Part 9:2005+A1:2007- Organic Chemical Compounds-Requirement (Selected tests item as specified by the applicant, please refer to test result page(s) for details)	PASS
	1) Solvents (Migration)	

Signed for and on behalf of
SGS United Kingdom Ltd.

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

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Test Results:

EN71 Part 9:2005 + A1:2007 - Organic Chemical Compounds-Requirements

1) Solvents (Migration)

Method: With reference to EN714-10:2005 and EN71-11:2005

Analysis was performed by Headspace Gas Chromatography Mass Spectrometer (HS-GC-MS) and Gas

Chromatography Mass Spectrometer (GC-MS)

Test items	CAS Number	Result (mg/L)	Detection Limit (mg/L)	Limit (mg/L)
Specimen No.	--	1 - 3		
Trichloroethylene	79-01-6	ND	0.006	0.02
Dichloromethane	75-09-2	ND	0.02	0.06
2-Methoxyethyl acetate	110-49-6	ND	0.1	0.5 (total)
2-Ethoxyethanol	110-80-5			
2-Ethoxyethyl acetate	111-15-9			
Bis (2-methoxyethyl) ether	111-96-6			
2-Methoxypropyl acetate	70657-70-4			
Methanol	67-56-1	ND	0.5	5
Nitrobenzene	98-95-3	ND	0.006	0.02
Cyclohexanone	108-94-1	ND	0.1	46
3,5,5-Trimethyl-2-cyclohexene-1-one	78-59-1	ND	0.1	3
Toluene	108-88-3	ND	0.1	2
Ethylbenzene	100-41-4	ND	0.1	1
Xylene (all isomers)	Various	ND	0.3	2(total)

1. Composite testing of orange, blue and light blue plastic
2. Composite testing of green and yellow plastic
3. Composite testing of red and translucent plastic

Note:

- mg/L = milligram per litre
- ND = Not detected
- MDL = Method Detection Limit
- Composite test has been performed as per clients request and the results are calculated using the total specimen weight.

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Registered in England No. 1193985 Rossmore Business Park, Ellesmere Port, Cheshire CH65 3EN www.sgs.com

Member of SGS Group (SA Group)

Test Report No. BTO 184248/6
Issue Date: 3rd January 2014

GRATNELLS LTD
 8 HOWARD WAY
 HARLOW
 ESSEX
 CM20 2SU
 Attn: Robin Wass

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

Sample Name: Assorted Plastic Storage Trays and Lids

Sample Description: Plastic storage trays in four sizes (different depths). The trays come in blue, yellow, red, green, orange and a light blue. Supplied with a clear plastic lid that fits all trays.

Date of Receipt: 21st November 2013

Testing Period: Testing conducted between 16th December 2013 and 27th December 2013.
(Please note that this testing was conducted at another laboratory within the SGS group of companies)

Testing Required: Please refer to the result summary

Test Method & Results: Please refer to next page(s)

Result Summary:

Test Requested	Conclusion
EN71 Part 9:2005+A1:2007- Organic Chemical Compounds-Requirement (Selected tests item as specified by the applicant, please refer to test result pages(s) for details)	PASS
1) Monomers (Migration)	

Signed for and on behalf of
 SGS United Kingdom Ltd.

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

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Test Results:

EN71 Part 9:2005 + A1:2007 - Organic Chemical Compounds-Requirements

1) Monomers (Migration)

Method: With reference to EN71-10:2005 and EN71-11:2005

Analysis was performed by High Performance Liquid Chromatography with Diode Array Detector (HPLC-DAD) and Gas Chromatography Mass Spectrometer (GC-MS)

Test Item(s)	CAS Number	Result(s) (mg/L)	MDL (mg/L)	Limit (mg/L)
Specimen No.	--	1 - 3		
Acrylamide	79-06-1	ND	0.02	0.02
Bisphenol A	80-05-7	ND	0.1	0.1
Formaldehyde	50-00-0	ND	0.8	2.5
Phenol	108-95-2	ND	1	15
Styrene	100-42-5	ND	0.1	0.75

Specimen Description:

1. Composite testing of orange, blue and light blue plastic
2. Composite testing of green and yellow plastic
3. Composite testing of red and translucent plastic

Note:

- mg/L = milligram per litre
- ND = Not detected
- MDL = Method Detection Limit
- Composite test has been performed as per clients request and the results are calculated using the total specimen weight.

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GRATNELLS LTD
8 HOWARD WAY
HARLOW
ESSEX
CM20 2SU

Attn: Robin Wass

Test Report No. BTO 184248/3

Issue Date: 3rd January 2014

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

Sample Name: Assorted Plastic Storage Trays and Lids

Sample Description: Plastic storage trays in four sizes (different depths). The trays come in blue, yellow, red, green, orange and a light blue. Supplied with a clear plastic lid that fits all trays.

Sample Reference: None supplied

Date of Receipt: 21st November 2013

Testing Period: Testing conducted between 4th December 2013 and 12th December 2013

Test Method: Total Cadmium determination to IHM ANA 004 using a microwave digestion method with reference to BS EN1122

Test Requirements: To show compliance to entry 23 of regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No.1907/2006 (previously restricted under Directive 91/338/EC)

Results: See Page 2

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

Signed for and on behalf of
SGS United Kingdom Ltd.



.....
Jo Pinkess BA (Hons) C Text ATI
Operations Manager

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Opinions and interpretations expressed herein are outside the scope of UKAS Accreditation.

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Results:

Total Cadmium Tests carried out in compliance with in house method ANA 004 based on BSEN 1122:2001 Method B. This test was conducted using Inductively Coupled Argon Plasma Spectrometry with a microwave digestion method.

Element	Limit (mg/kg)	Analytical Results (mg/kg)				
		Sample Reference				
		1	2	3	4	5
Cadmium	100	< 5	< 5	< 5	< 5	< 5

Element	Limit (mg/kg)	Analytical Results (mg/kg)	
		Sample Reference	
		6	7
Cadmium	100	< 5	< 5

Details of Analytical Samples:

1. Orange plastic
2. Blue plastic
3. Light blue plastic
4. Green plastic
5. Yellow plastic
6. Red plastic
7. Translucent plastic lid

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GRATNELLS LTD
8 HOWARD WAY
HARLOW
ESSEX
CM20 2SU

Test Report No. BTO184248/8

Issue Date: 6th January 2014

Attn: Robin Wass

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

Sample Name: Assorted Plastic Storage Trays and Lids

Sample Description: Plastic storage trays in four sizes (different depths). The trays come in blue, yellow, red, green, orange and a light blue. Supplied with a clear plastic lid that fits all trays.

Date of Receipt: 21st November 2013

Testing Period: Testing conducted between 16th December 2013 and 31st December 2013
(Please note that this testing was conducted at another laboratory within the SGS group of companies)

Test Requested: As requested by client, SVHC screening is performed according to:

- (151) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before December 16, 2013 regarding Regulation (EC) No 1907/2006 concerning the REACH.

Test Results: Please refer to next page(s).

Summary:

According to the specified scope and analytical techniques, concentrations of tested SVHC are $\leq 0.1\%$ (w/w) in the submitted sample
--

PASS

Signed for and on behalf of
SGS United Kingdom Ltd.

Chris Walker BSc (Hons)
Technical Manager

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Remark :

1. The chemical analysis of specified SVHC is performed by means of currently available analytical techniques against the following SVHC related documents published by ECHA:

- <http://echa.europa.eu/web/guest/candidate-list-table> (Candidate list)

These lists are under evaluation by ECHA and may subject to change in the future.

2. Test results in this report are based on the tested sample.

This report refers to testing result of tested sample submitted as homogenous material(s). In case such material is being used to compose an article, the results indicated in this report may not represent SVHC concentration in such article.

3. If a SVHC is found over 0.1% (w/w), client is suggested to identify the component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.
4. If the sample is a substance or mixture, and it directly exports to EU, client has the obligation to comply with the supply chain communication obligation under Article 31 of Regulation (EC) No. 1907/2006 and the conditions of Authorization of substance of very high concern included in the Annex XIV of the Regulation (EC) No. 1907/2006.

Test Sample:

Sample Description: Assorted Plastic Storage Trays And Lids

Group No.	Component No.	Component Description
A	1.	Orange plastic
A	2.	Blue plastic
A	3.	Lt. blue plastic
A	4.	Green plastic
B	5.	Yellow plastic
B	6.	Red plastic
B	7.	Transparent plastic from lid

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Test Method:

SGS In-House method - Analyzed by ICP-OES, GC-MS, UV-VIS, HPLC-DAD, HPLC-MS and colorimetric method

Test Result (per test group):

No.	Substance Name	CAS No./ EC No.	RL (%)	Concentration (%)	
				A	B
-	All tested SVHC in the Candidate List	-	-	ND	ND

Notes :

1. RL = Reporting Limit. All RL are based on homogenous material
2. The table above only shows detected SVHC, and SVHC that below RL are not reported. Please refer to Appendix for the full list of tested SVHC.
3. The result is calculated based on the minimum sample weight for composite testing.

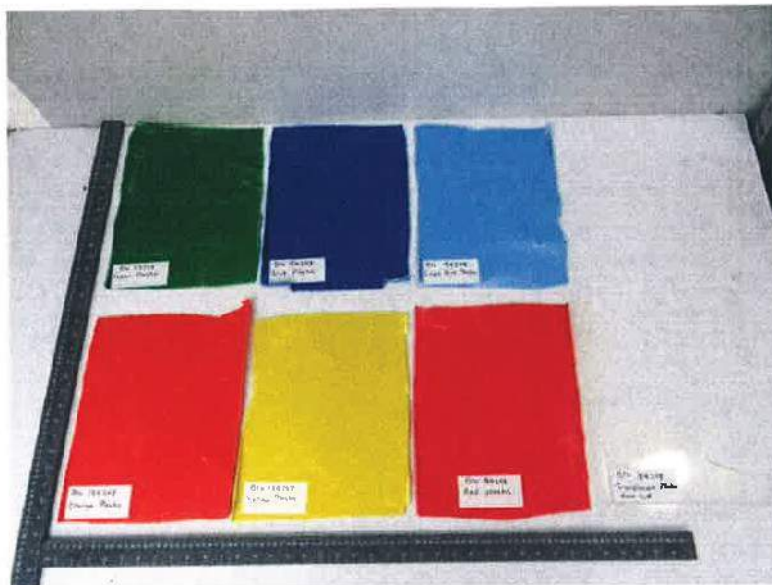
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Sample photo:



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No.	Substance Name	CAS No./ EC No.	RL (%)	No.	Substance Name	CAS No./ EC No.	RL (%)
Candidate List of Substances of Very High Concern (SVHC) for authorization published on June 20, 2013 (Batch X)							
139	4-Nonylphenol, branched and linear, ethoxylated	-	0.050	140	Ammoniumpentadecafluorooctanoate (APFO)	3825-26-1/ 223-320-4	0.050
141	Cadmium	7440-43-9/ 231-152-8	0.005	142	Cadmium oxide*	1306-19-0/ 215-146-2	0.005
143	Di-n-pentyl phthalate	131-18-0/ 205-017-9	0.050	144	Pentadecafluorooctanoic acid (PFOA)	335-67-1/ 206-397-9	0.050
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Dec 16, 2013 (Batch XI)							
145	Cadmium sulphide*	1306-23-6/ 215-147-8	0.005	146	Dihexyl phthalate	84-75-3/ 201-559-5	0.050
147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0/ 209-358-4	0.050	148	Disodium 4-amino-3-[[4'-[[2,4-diaminophenyl]azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7/ 217-710-3	0.050
149	Imidazolidine-2-thione; 2-imidazoline-2-thiol	96-45-7/ 202-506-9	0.050	150	Lead di(acetate)*	301-04-2/ 206-104-4	0.005
151	Trixylyl phosphate	25155-23-1/ 246-677-8	0.050				

Notes:

1. RL = Reporting Limit. All RL are based on homogenous material
2. * The test result is based on the calculation of selected element(s) / marker(s) and to the worst-case scenario. For detail information, please refer to the SGS REACH website:

<http://www.sgs.com/en/Consumer-Goods-Retail/Toys-and-Juvenile-Products/Toys/REACH/Management-of-SVHC.aspx>

The client is advised to review the chemical formulation to ascertain above metal substances present in the article.

RL = 0.005% is evaluated for element (i.e. cobalt, arsenic, lead, sodium, chromium, chromium (VI), silicon, aluminum, zirconium, zinc, antimony, calcium, titanium, barium, potassium, strontium and cadmium respectively), except molybdenum RL = 0.0005%, boron RL = 0.0025%.

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No.	Substance Name	CAS No./ EC No.	RL (%)	No.	Substance Name	CAS No./ EC No.	RL (%)
105	Dinoseb	88-85-7/ 201-861-7	0.050	106	Dioxobis(stearato)trilead*	12578-12-0/ 235-702-8	0.005
107	Fatty acids, C16-18, lead salts*	91031-62-8/ 292-966-7	0.005	108	Furan	110-00-9/ 203-727-3	0.050
109	Henlicosafuoroundecanoic acid	2058-94-8/ 218-165-4	0.050	110	Heptacosafuorotetradecanoic acid	376-06-7/ 206-803-4	0.050
111	Hexahydro-2-benzofuran-1,3-dione, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	85-42-7/ 201-604-9; 13149-00-3/ 236-086-3; 14166-21-3/ 238-009-9	0.050	112	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	25550-51-0/ 247-094-1; 19438-60-9/ 243-072-0; 48122-14-1/ 256-356-4; 57110-29-9/ 260-566-1	0.050
113	Lead bis(tetrafluoroborate)*	13814-96-5/ 237-486-0	0.005	114	Lead cyanamidate*	20837-86-9/ 244-073-9	0.005
115	Lead dinitrate*	10099-74-8/ 233-245-9	0.005	116	Lead monoxide*	1317-36-8/ 215-267-0	0.005
117	Lead oxide sulphate*	12036-76-9/ 234-853-7	0.005	118	Lead tetroxide*	1314-41-6/ 215-235-6	0.005
119	Lead titanium trioxide*	12060-00-3/ 235-038-9	0.005	120	Lead titanium zirconium oxide*	12626-81-2/ 235-727-4	0.005
121	Methoxyacetic acid	625-45-6/ 210-894-6	0.050	122	N,N-Dimethylformamide	68-12-2/ 200-679-5	0.050
123	N-Methylacetamide	79-16-3/ 201-182-6	0.050	124	N-Pentyl-isopentylphthalate	776297-69-9 /-	0.050
125	o-Aminoazotoluene	97-56-3/ 202-591-2	0.050	126	o-Toluidine	95-53-4/ 202-429-0	0.050
127	Pentacosafuorotridecanoic acid	72629-94-8/ 276-745-2	0.050	128	Pentalead tetraoxide sulphate*	12065-90-6/ 235-067-7	0.005
129	Propylene oxide	75-56-9/ 200-879-2	0.050	130	Pyrochlore, antimony lead yellow*	8012-00-8/ 232-382-1	0.005
131	Silicic acid, barium salt, lead-doped*	68784-75-8/ 272-271-5	0.005	132	Silicic acid, lead salt*	11120-22-2/ 234-363-3	0.005
133	Sulfurous acid, lead salt, dibasic*	62229-08-7/ 263-467-1	0.005	134	Tetraethyllead*	78-00-2/ 201-075-4	0.005
135	Tetralead trioxide sulphate*	12202-17-4/ 235-380-9	0.005	136	Tricosafuorododecanoic acid	307-55-1/ 206-203-2	0.050
137	Trilead bis(carbonate)dihydroxide*	1319-46-6/ 215-290-6	0.005	138	Trilead dioxide phosphonate*	12141-20-7/ 235-252-2	0.005

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No.	Substance Name	CAS No./ EC No.	RL (%)	No.	Substance Name	CAS No./ EC No.	RL (%)
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Dec 19, 2012 (Batch IX)							
85	[Phthalato(2-)]dioxotrilead*	69011-06-9/ 273-688-5	0.005	86	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0/ 284-032-2	0.050
87	1,2-Diethoxyethane	629-14-1/ 211-078-1	0.050	88	1-Bromopropane	106-94-5/ 203-445-0	0.050
89	3-Ethyl-2-methyl-2-(3- methylbutyl)-1,3-oxazolidine	143860-04-2/ 421-150-7	0.050	90	4-(1,1,3,3- tetramethylbutyl)phenol, ethoxylated	-	0.050
91	4,4'-Methylenedi- <i>o</i> -toluidine	838-88-0/ 212-658-8	0.050	92	4,4'-Oxydianiline	101-80-4/ 202-977-0	0.050
93	4-Aminoazobenzene	60-09-3/ 200-453-6	0.050	94	4-Methyl- <i>m</i> -phenylenediamine	95-80-7/ 202-453-1	0.050
95	4-Nonylphenol, branched and linear	-	0.050	96	6-Methoxy- <i>m</i> -toluidine	120-71-8/ 204-419-1	0.050
97	Acetic acid, lead salt, basic*	51404-69-4/ 257-175-3	0.005	98	Biphenyl-4-ylamine	92-67-1/ 202-177-1	0.050
99	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5/ 214-604-9	0.050	100	C,C'-azodi(formamide) (ADCA)	123-77-3/ 204-650-8	0.050
101	Dibutyltin dichloride (DBT)	683-18-1/ 211-670-0	0.050	102	Diethyl sulphate	64-67-5/ 200-589-6	0.050
103	Diisopentylphthalate (DIPP)	605-50-5/ 210-088-4	0.050	104	Dimethyl sulphate	77-78-1/ 201-058-1	0.050

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No.	Substance Name	CAS No./ EC No.	RL (%)	No.	Substance Name	CAS No./ EC No.	RL (%)
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 18, 2012 (Batch VIII)							
72	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue 26)	2580-56-5/ 219-943-6	0.050	73	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)	548-62-9/ 208-953-6	0.050
74	1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme)	112-49-2/ 203-977-3	0.050	75	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4/ 203-794-9	0.050
76	4,4'-bis(dimethylamino) benzophenone (Michler's Ketone)	90-94-8/ 202-027-5	0.050	77	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1/ 209-218-2	0.050
78	Diboron trioxide*	1303-86-2/ 215-125-8	0.005	79	Formamide	75-12-7/ 200-842-0	0.050
80	Lead(II) bis(methanesulfonate)*	17570-76-2/ 401-750-5	0.005	81	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1/ 202-959-2	0.050
82	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	2451-62-9/ 219-514-3	0.050	83	α,α-Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0/ 229-851-8	0.050
84	β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6/ 423-400-0	0.050				

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Candidate List

No.	Substance Name	CAS No./ EC No.	RL (%)	No.	Substance Name	CAS No./ EC No.	RL (%)
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Oct 28, 2008 (Batch I)							
1	4,4'-Diaminodiphenylmethane (MDA)	101-77-9/ 202-974-4	0.050	2	5-tert-butyl-2,4,6-trinitro- <i>m</i> -xylene (musk xylene)	81-15-2/ 201-329-4	0.050
3	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8/ 287-476-5	0.050	4	Anthracene	120-12-7/ 204-371-1	0.050
5	Benzyl butyl phthalate (BBP)	85-68-7/ 201-622-7	0.050	6	Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7/ 204-211-0	0.050
7	Bis(tributyltin)oxide (TBTO)	56-35-9/ 200-268-0	0.050	8	Cobalt dichloride*	7646-79-9/ 231-589-4	0.005
9	Diarsenic pentaoxide*	1303-28-2/ 215-116-9	0.005	10	Diarsenic trioxide*	1327-53-3/ 215-481-4	0.005
11	Dibutyl phthalate (DBP)	84-74-2/ 201-557-4	0.050	12	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α -HBCDD, β -HBCDD, γ -HBCDD)	25637-99-4/ 247-148-4; 3194-55-8/ 221-695-9; (134237-50-6/-; 134237-51-7/-; 134237-52-8/-)	0.050
13	Lead hydrogen arsenate*	7784-40-9/ 232-064-2	0.005	14	Sodium dichromate*	7789-12-0 10588-01-9/ 234-190-3	0.005
15	Triethyl arsenate*	15606-95-8/ 427-700-2	0.005				
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jan 13, 2010 (Batch II)							
16	2,4-Dinitrotoluene	121-14-2/ 204-450-0	0.050	17	Anthracene oil*	90640-80-5/ 292-602-7	0.050
18	Anthracene oil, anthracene paste*	90640-81-6/ 292-603-2	0.050	19	Anthracene oil, anthracene paste, anthracene fraction*	91995-15-2/ 295-275-9	0.050
20	Anthracene oil, anthracene paste; distn. Lights*	91995-17-4/ 295-278-5	0.050	21	Anthracene oil, anthracene-low*	90640-82-7/ 292-604-8	0.050
22	Diisobutyl phthalate	84-69-5/ 201-553-2	0.050	23	Lead chromate molybdate sulfate red (C.I. Pigment Red 104)*	12656-85-8/ 235-759-9	0.005
24	Lead chromate*	7758-97-6/ 231-846-0	0.005	25	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	1344-37-2/ 215-693-7	0.005
26	Pitch, coal tar, high temp.*	65996-93-2/ 266-028-2	0.050	27	Tris(2-chloroethyl)phosphate	115-96-8/ 204-118-5	0.050
Candidate List of Substances of Very High Concern (SVHC) for authorization published on March 30, 2010 (Batch III)							
28	Acrylamide	79-06-1/ 201-173-7	0.050				

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No.	Substance Name	CAS No./ EC No.	RL (%)	No.	Substance Name	CAS No./ EC No.	RL (%)
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Dec 19, 2011 (Batch VII)							
52	1,2-Dichloroethane	107-06-2/ 203-458-1	0.050	53	2,2'-dichloro-4,4'- methylenedianiline (MOCA)	101-14-4/ 202-918-9	0.050
54	2-Methoxyaniline	90-04-0/ 201-963-1	0.050	55	4-tert-Octylphenol	140-66-9/ 205-426-2	0.050
56	Aluminosilicate Refractory Ceramic Fibres*	650-017-00-8 (Index no.)	0.005	57	Arsenic acid*	7778-39-4/ 231-901-9	0.005
58	Bis(2-methoxyethyl) ether	111-96-6/ 203-924-4	0.050	59	Bis(2-methoxyethyl) phthalate	117-82-8/ 204-212-6	0.050
60	Calcium arsenate*	7778-44-1/ 231-904-5	0.005	61	Dichromium tris(chromate)*	24613-89-6/ 246-356-2	0.005
62	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4/ 500-036-1	0.050	63	Lead diazide*	13424-46-9/ 236-542-1	0.005
64	Lead dipicrate*	6477-64-1/ 229-335-2	0.005	65	Lead styphnate*	15245-44-0/ 239-290-0	0.005
66	N,N-dimethylacetamide (DMAC)	127-19-5/ 204-826-4	0.050	67	Pentazinc chromate octahydroxide*	49663-84-5/ 256-418-0	0.005
68	Phenolphthalein	77-09-8/ 201-004-7	0.050	69	Potassium hydroxyoctaoxodizincatedichrom ate*	11103-86-9/ 234-329-8	0.005
70	Trilead diarsenate*	3687-31-8/ 222-979-5	0.005	71	Zirconia Aluminosilicate Refractory Ceramic Fibres*	650-017-00-8 (Index no.)	0.005

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No.	Substance Name	CAS No./ EC No.	RL (%)	No.	Substance Name	CAS No./ EC No.	RL (%)
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 18, 2010 (Batch IV)							
29	Ammonium dichromate*	7789-09-5/ 232-143-1	0.005	30	Boric acid*	10043-35-3/ 233-139-2; 11113-50-1/ 234-343-4	0.005
31	Disodium tetraborate, anhydrous*	1303-96-4 1330-43-4 12179-04-3/ 215-540-4	0.005	32	Potassium chromate*	7789-00-6/ 232-140-5	0.005
33	Potassium dichromate*	7778-50-9/ 231-906-6	0.005	34	Sodium chromate*	7775-11-3/ 231-889-5	0.005
35	Tetraboron disodium heptaoxide, hydrate*	12267-73-1/ 235-541-3	0.005	36	Trichloroethylene	79-01-6/ 201-167-4	0.050
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Dec 15, 2010 (Batch V)							
37	2-Ethoxyethanol	110-80-5/ 203-804-1	0.050	38	2-Methoxyethanol	109-86-4/ 203-713-7	0.050
39	Acids generated from chromium trioxide and their oligomers: Chromic acid Dichromic acid Oligomers of chromic acid and dichromic acid*	7738-94-5/ 231-801-5; 13530-68-2/ 236-881-5	0.005	40	Chromium trioxide*	1333-82-0/ 215-607-8	0.005
41	Cobalt(II) carbonate*	513-79-1/ 208-169-4	0.005	42	Cobalt(II) diacetate*	71-48-7/ 200-755-8	0.005
43	Cobalt(II) dinitrate*	10141-05-6/ 233-402-1	0.005	44	Cobalt(II) sulphate*	10124-43-3/ 233-334-2	0.005
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 20, 2011 (Batch VI)							
45	1,2,3-Trichloropropane	96-18-4/ 202-486-1	0.050	46	1,2-Benzenedicarboxylic acid, di- C6-8-branched alkyl esters, C7- rich	71888-89-6/ 276-158-1	0.050
47	1,2-Benzenedicarboxylic acid, di- C7-11-branched and linear alkyl esters	68515-42-4/ 271-084-6	0.050	48	1-Methyl-2-pyrrolidone	872-50-4/ 212-828-1	0.050
49	2-Ethoxyethyl acetate	111-15-9/ 203-839-2	0.050	50	Hydrazine	7803-57-8 302-01-2/ 206-114-9	0.050
51	Strontium chromate*	7789-06-2/ 232-142-6	0.005				

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Test Report

Ref: 144196	Date work reported: 12 June 2014	Batch No: 64
Page: 1 of 2	Date work received: 09 June 2014	

Method:	Measurement of migration of elements by ICP-OES analysis (IHM 57A). The method is based on the procedures described in BS EN 71-3: 2013-[with reference to new toy safety directive 2009/48/EC as amended]
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Toy Material Type	Category		
	I	II	III
Coating of paints, varnishes, Lacquers, printing inks, polymers, foam and similar coatings and similar coatings			X
Polymeric and similar materials, including laminates whether textile reinforced or not, but excluding other textile			X
Paper and paper board			X
Textile, whether natural or synthetic			X
Glass/Ceramic/Metallic Material			X
Other materials whether mass coloured or not (e.g. wood, fibre board, hard board, bone and leather)			X
Compressed paint tablets, Material intended to leave trace or similar material in solid form appearing as such in the toy (e.g. the cores of colouring pencils, chalk crayons)	X		
Pliable modelling materials, including modelling clays and plasters	X		
Liquid Paints, including finger paints, varnishes, lacquers, liquid ink in pens and similar materials in liquid form appearing as such in the toys (e.g. glue stick, slimes, bubble solution)		X	

Interpretation of results

A measurement of an element in a sample after migration procedure shall be reported as a **Non-Compliant** when Decision Limit (DL) expressed as a concentration (mg/kg) exceeds the Limit (L) for that restricted element as defined in the reference test method (EN71-3:2013). The value of DL is calculated as below.

DL = Results (mg/kg) after migration procedure + g,

Where $g = k \times \% \text{ Relative uncertainty of restricted element} \times \text{Results (mg/kg) after migration procedure}$, with $k = 1.645$

Non – Compliant: If Decision Limit is greater than the Migration Limit proposed in EN71-3:2013 standard

Compliant: If DL Less than the Migration Limit proposed in EN71-3:2013 standard

***Explanatory note:** EN71-3:2013 specifies migratory limits for 19 elements, but Organo-tin (BAO Method 120) and Chromium VI (BAO Method 63) have only been determined if specifically requested.

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Ref: 144196	Date work reported: 12 June 2014
Page: 2 of 2	Date work received: 09 June 2014

Materials Sampled (and sample weight if less than 100mg)

Customer Reference	Component Description	Component Ref.	Weight (mg)	Category	Compliance 'C' / Non-Compliance 'NC'
ALTECH PP-B B4925/500	White Plastic Beads	1		CAT III	C

RESULT (mg/kg)

Component Ref.	As	Ba	Cd	Cr (Total)	Hg	Pb	Sb	Se	Al	B	Co	Cu	Mn	Ni	Sr	Sn	Zn	C' / 'NC'
1	ND	0.5	ND	ND	ND	ND	ND	ND	11.0	ND	0.2	16.5	0.1	ND	0.9	ND	3.8	C

Note1: C = Compliant, NC = Non-Compliant, ND = Not Detected

Note 2: For the samples whose weight was less than 100mg their toxic metal content were calculated as though the sample weight were 100mg.

Note 3: #: Arsenic (As) & Mercury (Hg) are outside the scope of UKAS accreditation if Sample size taken is less than 300mg for category II.

Note 4: All samples were adjusted to 1mol/l if kept for more than the working day.

EN71-3:2013 - Compliance Statement interpretation (relates specifically to the above 17 elements tested – As to Zn inclusive, EXCLUDING *Organo-tin and *Chromium VI [unless specifically requested])		
Sr. No.	Sample Description	Compliant/ Non-Compliant
1	ALTECH PP-B B4925/500	Compliant



G. Bhogal BSc
Assistant Chemist



D. Manchanda MSc, CSci, C.CHEM, FRSC
Technical Director

AC 10:47

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Limits of element migration from toy materials

Element	EN71-3: 2013 - Migration limit (mg/kg)		
	Category I (Dry, brittle, powder like or pliable materials)	Category II (Liquid or sticky material)	Category III (Scraped of material)
Aluminium	5 625	1 406	70 000
Antimony	45	11.3	560
Arsenic	3.8	0.9	47
Barium	1 500	375	18750
Boron	1 200	300	15 000
Cadmium	1.3	0.3	17
Chromium (III)	37.5	9.4	460
*Chromium (VI)	0.02	0.005	0.2
Cobalt	10.5	2,6	130
Copper	622.5	156	7 700
Lead	13.5	3,4	160
Manganese	1 200	300	15 000
Mercury	7.5	1.9	94
Nickel	75	18,8	930
Selenium	37.5	9.4	460
Strontium	4 500	1 125	56 000
Tin	15 000	3 750	180 000
*Organic tin	0.9	0.2	12
Zinc	3 750	938	46 000

Note: The information contained in this report is given in good faith on the basis of samples and information received. The Assay Office does not take responsibility for the Customer's interpretation of the report nor any consequence arising from this. This test report shall not be reproduced except in full, without written approval of the Assay Office. Our standard conditions and tolerances apply. Opinions and interpretations are outside the scope of accreditation.



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TEST REPORT

Job No:	144197	Date reported:	10 June 2014
Page 1 of 2	Date work received:	09 June 2014	
Reference:	20941	Albis UK	

Subject:	Phthalate Content
Method:	CPSC-CH-C1001-09.3 - Standard Operating Procedure for Determination of Phthalates Extraction with THF followed by GC-MS analysis Phthalate content in children's toys and child care articles covered by the standard set forth in the Consumer Product Safety Improvement Act Section 108 (Ref.: Regulation (EC) No. 1907/2006 Annex XVII as amended by Regulation (EC) No 276/2010 – Substances 51 & 52 (6 Phthalates listed in appendix (mg/kg))
Requirements:	Banned phthalates – total concentrations of less than 1000 mg/kg per plasticized component part of a children's toy or child care article (by mass of the plasticized material)
Method Detection Limit:	30 mg/kg in plastic

Sr. No.	Item Reference Number	Sample Description	Concentration (mg/kg)†		Compliant/ Non-Compliant
1	ALTECH PP-B B4925/500	White Plastic Material	DBP	None Detected (<30mg/kg)	Compliant
			BBP	None Detected (<30mg/kg)	
			DEHP	None Detected (<30mg/kg)	
			DNOP	None Detected (<30mg/kg)	
			DINP	None Detected (<30mg/kg)	
			DIDP	None Detected (<30mg/kg)	

† see list of tested compounds.

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Job No:	144197	Date reported:	10 June 2014
Page 2 of 2		Date work received:	09 June 2014
Reference:	20941		Albis UK

Tested Compounds	
Name	CAS-No.
Dibutylphthalate, DBP	84-74-2
Butylbenzylphthalate, BBP	85-68-7
Bis(2-ethylhexyl)phthalate, DEHP	117-81-7
Di-n-octylphthalate, DNOP	117-84-0
Di-iso-nonylphthalate, DINP	28553-12-0
Di-iso-decylphthalate, DIDP	26761-40-0



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Technical Director

Memberships



WORLDIDAC

Certificate

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Executive Director

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and has agreed to abide by
the BESA Code of Practice
for the year to
31 March 2011

A handwritten signature in red ink. The signature is cursive and appears to read "Dominic Savage". It is written over a horizontal line.

Dominic Savage
Director General

British Educational
Suppliers Association
20 Beaufort Court
Admirals Way
London E14 9XL

Membership



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Category: Innovation Product Awards – non ICT / Equipment /
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