

TECHNICAL REPORT



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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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BS EN 71-1:2005+A9:2009, EN 71-1:2005+A9:2009 – SAFETY OF TOYS – SPECIFICATION FOR MECHANICAL AND PHYSICAL PROPERTIES

The items were tested for children of all ages

SECTION	TEST	RESULTS
4	GENERAL REQUIREMENTS	
4.1	Material	PASS
4.7	Edges	PASS
4.8	Points and Metallic Wires	PASS

5	TOYS INTENDED FOR CHILDREN UNDER 36 MONTHS	
5.1	General Requirements	
	a) Toys and Removable Components	PASS
	b) Use and Abuse Tests & Springs	PASS
	f) Surfaces and Accessible Edges – Free from Splinters	PASS
5.8	Shape and Size of Certain Toys	PASS
5.10	Small Balls	PASS

6	Packaging (plastic bags) <i>Final packaging was not submitted with the above item. If plastic bags are to be used they must be evaluated against the requirements of EN 71 Clause 6</i>	See Comments
7	WARNINGS AND INSTRUCTIONS FOR USE	
7.1	General <i>If the item were to be considered a toy, the item, its packaging or accompanying leaflet must be labelled with:- The name and address of the manufacturer, marketing, importing or retailing organisation in the EU The following advisory note, if the information is not on the toy itself, "Retain for future reference".</i>	See Comments

BS EN 71-2: 2006+A1: 2007, EN 71-2: 2006+A1: 2007 SAFETY OF TOYS – FLAMMABILITY

SECTION	TEST	RESULTS
4.1	GENERAL	
	Celluloid/cellulose nitrate and materials with similar burning behaviour in fire	PASS



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BS EN 71-3: 1995 INCORPORATING AMENDMENT NO. 1 & CORRIGENDUM NO.1, EN 71-3:1994 INCORPORATING AMENDMENT A1 – SPECIFICATION OF MIGRATION OF CERTAIN METALS

MEASUREMENT OF MIGRATION OF CERTAIN ELEMENTS BY INDUCTIVELY COUPLED PLASMA ANALYSIS

Adjusted Analytical Results Results quoted as mg soluble element per Kg material

Clause 8.2 Polymeric and similar materials including laminated (excluding textile) – **PASS**

Element	Antimony	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium
Limit	60	25	1000	75	60	90	60	500
Red Tray	<5	<5	<20	<5	<5	<5	<5	<5
Blue Tray	<5	<5	<20	<5	<5	<5	<5	<5
Green Tray	<5	<5	<20	<5	<5	<5	<5	<5
Yellow Tray	<5	<5	<20	<5	<5	<5	<5	<5
Clear Tray	<5	<5	<20	<5	<5	<5	<5	<5

BS 2782-0: 2004 Method 508A – RATE OF BURNING (LABORATORY METHOD)

Colour	Rate of Burn (mm/min)			Classification
	Specimen 1	Specimen 2	Specimen 3	
Red Tray	7.34	7.70	12.07	“TP(b)”
Blue Tray	6.00	4.49	10.49	“TP(b)”
Green Tray	5.63	16.26	5.80	“TP(b)”
Yellow Tray	6.50	10.85	9.62	“TP(b)”
Clear Tray	16.30	16.26	18.07	“TP(b)”



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CONCLUSION

The samples of Q2 Plastic Trays (Red, Blue, Green Yellow and Clear) successfully satisfied the applicable requirements from BS EN 71-1:2005, BS EN 71-2:2006 and BS EN 71-3:1995.

When assessed in accordance with the criteria specified in Appendix A of the Building Regulation 2000, Approved Document B "Fire Safety", the Q2 Plastic Trays (Red, Blue, Green Yellow and Clear) samples, as tested, are classified as "TP(b)"

Tested by: UKAS Accredited Test Laboratories

Written and Approved by: Rishi Odhavji
Technical Specialist

