

TEST REPORT

Applicant: Make a Material Difference,
Innovation House,
Wellington Way,
Airfield Business Park,
Market Harborough,
Leicestershire,
LE16 7WB

For The Attention of: Jonty

Item Description: Ref IP 154059 described as “Mini Maths Shapes (Key Stage 1)”
(x1 sample submitted)

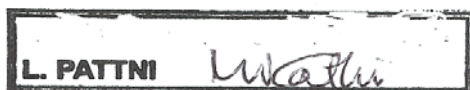
Report No: 21101907

Report Date: 7th December 2021

Test Request: See page 2 of this report.

Results & Comments: See pages 2—6 of this report.

Conclusion: The above item as tested PASSES the requested standards



L. PATTNI

Lax Pattni
Laboratory Manager
For and on behalf of
Northern Testhouse (Leicester) Limited.

Opinions and interpretations expressed in this report are outside our ISO 17025 accreditation.

Results reported in this report apply to the submitted item/samples only.
This test report shall not be reproduced except in full, without written approval of the laboratory.

We sincerely hope that our service has met with or exceeded your requirements and would appreciate any comments from yourselves about the level of service you have received. Such feedback will assist us in our efforts to continually improve.

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Test Request

EN71 Part 1: 2014 + A1:2018 Physical and mechanical properties of toys

EN71 Part 2: 2011 + A1:2014 Flammability properties of toys (general requirements examined)

EN71 Part 3:2019, Migration of certain elements from toys and their materials, (Chromium (VI) and Organic Tin as first action, category III)

General Comments

Packaging

Plastic bag affixed with labels and accompanied with warnings leaflet in visibly undamaged state.

Country of origin

Made in China (stated on affixed label), Designed in UK by Make a Material Difference

Age grading/markings

The following proposed markings were received on 6th December 2021:

Warning!

Not suitable for children under 3years due to potential small parts which may pose a choking hazard.

The following markings were evident on the affixed label:

WARNING:

CHOKING HAZARD—Small parts

Not for children under 3 years

Photograph of Submission



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Governing Document: EN71 Part1: 2014 +A1:2018

Comments: Relevant clauses applicable to the item examined are reported in this test report.

Field of application: General toy examined for children of over 3 years of age

Clause 4.1 Materials Pass

The item examined was visually clean and free from infestation.

Clause 4.7 Edges Pass

Accessible sharp edges were not present.

Clause 4.8 Points Pass

Accessible sharp points were not present.

Clause 6 Packaging Pass

The plastic bag packed with the item examined had dimensions greater than 100mm by 100mm and had average thickness greater than 0.038mm

Clause 7.1 Markings & instructions for use Pass

The item examined passes the requirements of this clause provided it is labelled in accordance with the proposed labelling information received on 7th December 2021

Details	
Manufactures details	Make a Material Difference Ltd were considered as the UK based responsible party
Warning	

Instructions for use were considered self evident to the user

Other markings on the proposed labelling:

Details
Product code
CE mark.
Batch Number/Barcode

Clause 7.2 Warning for under 3 years Pass

A suitable warning, expressed in text form and considered visible at point of sale was evident on the affixed label

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Governing Document: EN71 Part 2: 2011 + A1:2014

Scope of application: General Toy

Clause 4.1	General Requirements	Pass
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Celluloid (cellulose nitrate) and materials with same behaviour in fire were not present.

Materials with pile surface were not present.

Extremely flammable, highly flammable, and flammable prohibited materials were not present.

Comments

This standard is still harmonised in the Toy Safety Directive

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Governing Document: EN71 Part 3: 2019, migration of certain elements from toys and toy materials

Analyses were conducted by ICP--OES.

Clause	Application	Results	Category
7.2.2	Coatings etc	PASS	III
7.2.2	Polymers	PASS	III
7.2.2	Paper and paperboard	PASS	III

All results are expressed in mg/kg.

Element	Symbol	Category III Limits
Aluminium	Al	70,000
Antimony	Sb	560
Arsenic	As	47
Barium	Ba	18,750
Boron	B	15,000
Cadmium	Cd	17
Chromium (III)	Cr	460
Cobalt	Co	130
Copper	Cu	7,700
Lead	Pb	23
Manganese	Mn	15,000
Mercury	Hg	94
Nickel	Ni	930
Selenium	Se	460
Strontium	Sr	56,000
Tin	Sn	180,000
Zinc	Zn	46,000
Chromium (VI)	Cr	0.2
		0.053 scrapped materials
Organic Tin		12

Comments

The samples examined comply with revised aluminium limit of 28,130mg/kg (Category III Materials) specified in (EU) 2019/1922 incorporated as Amendment 1

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Chromium (VI) & Organic Tin

Requirements	First Screening Action	Category
Chromium (VI)	Pass	III
Organic Tin	Pass	III

Materials Sampled /Sample Numbers (S)

Polymers (Shapes)

- 1) Green
- 2) Yellow
- 3) Blue
- 4) Red

Paper and paperboard

- 5) White with Black Print (Warnings Leaflet)

As Lab Ref 21101906

Category III Results (Chromium as total soluble, chromium (III) limit reporting limit, <= less than)

S	Al	Sb	As	Ba	B	Cd	Cr	Co	Cu	Pb	Mn	Hg	Ni	Se	Sr	Sn	Zn
1	<30	<7	<5	<30	<30	<2	<1	<10	<10	<9	<10	<7	<10	<7	<30	<8	<30
2	<30	<7	<5	<30	<30	<2	<1	<10	<10	<9	<10	<7	<10	<7	<30	<8	<30
3	<30	<7	<5	<30	<30	<2	<1	<10	<10	<9	<10	<7	<10	<7	<30	<8	<30
4	<30	<7	<5	<30	<30	<2	<1	<10	<10	<9	<10	<7	<10	<7	<30	<8	<30
5	<30	<7	<5	<30	<30	<2	<1	<10	<10	<9	<10	<7	<10	<7	90	<8	<30

Date of Testing: 27th October 2021

End of Report