



TEST REPORT



AB-0505-T

72202370435

27.08.2020

LAB LOCATION: TURKEY

LAB NO. : (7220)237-0435

SERVICE TYPE: Regular

DATE IN: August 24th, 2020

DATE OUT: August 27th, 2020

MATERIAL SUBMITTED : RM EDUCATIONAL RESOURCES LTD
(Address: Park Lane Business Park, Kirkby-in-Ashfield,
Nottinghamshire, NG17, 9GU)

SUPPLIER REFERENCE : 249688

STYLE NO : /

BUYER : /

MANUFACTURER : /

COUNTRY OF ORIGIN : /

SAMPLE DESCRIPTION : **Sample A: WOODEN MIRRORED BLOCKS AND STORAGE
TRAY- EY01139, EY04704, EY01189**

COLOR : /

SUBMITTED CARE : /

INSTRUCTION : /

LOT NO : /

TESTED AGE :

GENERAL CONCLUSION : **PASS**

SUMMARY OF TEST RESULTS

TEST REQUIRED	Sample A
EN 71 Part 3: 2019 Migration of Certain Elements*	P
*TURKAK ACCREDITED TESTS	

P:PASS

F:FAIL

REMARK 1*= The reported expanded uncertainty is based on the standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95%. Unless otherwise is specified, the uncertainty of measurement has not been taken into account when assessing pass/fail of the sample against the requirements of the standard. In case consideration of measurement uncertainties when assessing pass/ fail limits, some results may be in borderline.

The test result, the uncertainties (if applicable) with confidence probability are given on the following pages which are part of this report.

EXECUTIVE SUMMARY: Only vendor selected tests have been performed and submitted samples have been rated as “PASS”.

C/N GY/EY

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BV CPS TEST LABORATUVARLARI LTD. STI.
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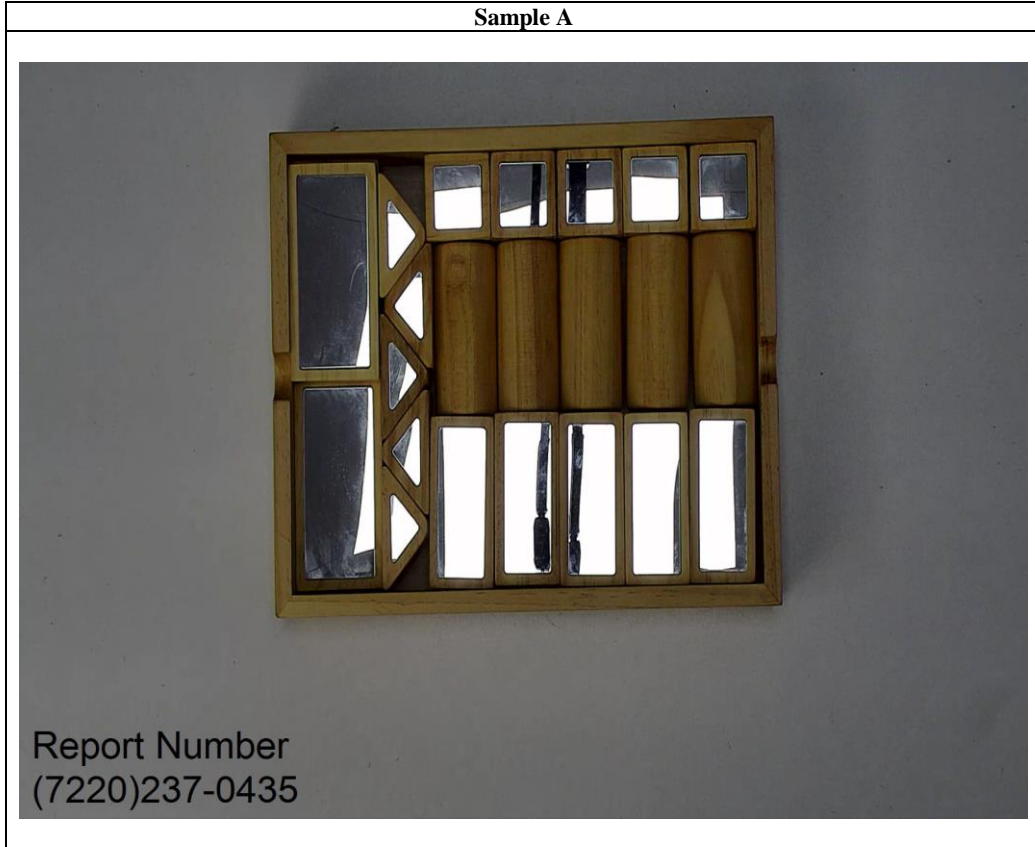
**Bureau Veritas Consumer Products Services Turkey
BV CPS Test Lab. Ltd. Sti.**

Eylem Yaldizli
Senior Client Team Lead -Hardline

Yagiz Barin
Hardline & Pharma Lab. Manager

-Photo of the Submitted Sample-

Sample A



TEST RESULTS

MIGRATION OF CERTAIN ELEMENTS

Test Method: European Standard EN 71 Part 3: 2019, Section 8.

Tested Item(s) : I001 Bare wood
Sample A : I002 Mirrored plastic

See Soluble Element (Parameter) and its corresponding Maximum Allowable Limit (Req.) in Result Table	Type I	Dry, brittle, powder-like or pliable toy material
	Type II	Liquid or sticky toy material
	Type III	Scraped-off toy material

Test Item(s)	Unit	Req.	Result	
			I001	I002
Type	-	III	III	III
Parameter	-	-	-	-
Aluminium (Al)	mg/kg	70000	3.7	18
Antimony (Sb)	mg/kg	560	ND	ND
Arsenic (As)	mg/kg	47	ND	ND
Barium (Ba)	mg/kg	18750	ND	ND
Boron (B)	mg/kg	15000	ND	ND
Cadmium (Cd)	mg/kg	17	ND	ND
Chromium III (Cr III)	mg/kg	460	ND	ND
Chromium VI (Cr VI)	mg/kg	0.053	ND	ND
Cobalt (Co)	mg/kg	130	ND	ND
Copper (Cu)	mg/kg	7700	8.8	2.3
Lead (Pb)	mg/kg	23	ND	ND
Manganese (Mn)	mg/kg	15000	22.6	ND
Mercury (Hg)	mg/kg	94	ND	ND
Nickel (Ni)	mg/kg	930	ND	ND
Selenium (Se)	mg/kg	460	ND	ND
Strontium (Sr)	mg/kg	56000	ND	ND
Tin (Sn)	mg/kg	180000	ND	ND
Organic tin	mg/kg	12	ND	ND
Zinc (Zn)	mg/kg	46000	27.5	2,2
Conclusion	-	-	PASS	PASS



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Note / Key :

ND = Not detected " > " = Greater than Req. = Requirement
 NR = Not requested g = gram(s) INCON: Inconclusive
 mg/kg = milligram(s) per kilogram = ppm = part(s) per million
 [] = Detection Limit by test method with reference to EN 71 Part 3: 2019, Annex F
 Detection Limit (mg/kg) :
 For Type I and Type II - Each (As, Cd, Cr III and Hg) : 0.15 ; Cr VI : 0.005 [0.002] ; Organic tin : 0.04 ;
 Pb : 0.5 ; Each (Others) : 2
 For Type III - Cr III : 0.15 ; Cr VI : 0.05 [0.002] ; Each (Others) : 2

Remark :

- Result(s) of organic tin was (were) calculated by assuming the soluble tin content was wholly contributed from tributyltin (TBT) cation unless further specified.
- The European Commission amended the maximum allowable limit(s) of migratable lead of European Parliament and Council Directive 2009/48/EC in particular regarding to Annex II, Part III, Point 13. See details in Comment.

Proposals to amendment of European Parliament and Council Directive 2009/48/EC, Annex II, Part III, Point 13 :			
-	Type I	Type II	Type III
Element(s)	Aluminium (Al)	Aluminium (Al)	Aluminium (Al)
Current	5 625 mg/kg	1 406 mg/kg	70 000 mg/kg
Proposed^[a]	2 250 mg/kg	560 mg/kg	28 130 mg/kg

[a] denotes as these maximum allowable limits apply from May 20, 2021 according to European Commission Directive (EU) 2019/1922 of 18 November 2019 amending, for the purposes of adaptation to technical and scientific developments, point 13 of part III of Annex II to Directive 2009/48/EC of the European Parliament and of the Council on the Safety of Toys, as regards aluminium.

APPENDIX A

TEST NAME	STANDARD NAME	MEASUREMENT UNCERTAINTY
Heavy Metal	DIN EN 71 Part 3	± %9
	BS EN 71: Part 3	± %9

-END OF REPORT-