



Institute of Public Health Sremska Mitrovica

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O-045

EXAMINATION REPORT

No.: E-45/18 en

Date: 19.02.2018.

Report ID No.	E-45/18 en Translation of our test report No E-45/18 of February , 2018
Tested by	Institute of Public Health Sremska Mitrovica Stari šor 47 Tel 022/610-511, fax 022/636-509 e-mail:info@zdravlje-sm.org.rs
Test request submitter	MEGAPLAST, Zmaj Jovina 47, Indjija Serbia
Sample	Sample toys: Mosaik (M5, M10, M15, M 20, Letters, Foundations, Numbers, mix), Mega cube i Mega cube S (Network, carboard boxes, box)
Type of testing	Migration tests according to Safety of toys-Part 3: Migration of certain elements ; EN 71-3/A1: 2014. (SRPS EN 71-3, 2015).
Test started (date of receipt in lab)	08.02.2018. The test conditions were applied in accordance with The examination with simulant HCl solution
Test ended	19.02.2018.

Parameter - Migration of certain elements (polimeric material)	Measure unit	Found value	Reference value	Method's mark
Arsenic (As)	mg/kg	< 1,080	47	SRPS EN 71-3, 2015
Mercury(Hg)	mg/kg	< 0,100	94	SRPS EN 71-3, 2015
Zinc(Zn)	mg/kg	< 3,84	46 000	SRPS EN 71-3, 2015
Barium(Ba)	mg/kg	< 17,690	18 750	SRPS EN 71-3, 2015
Cobalt (Co)	mg/kg	< 9,380	130	SRPS EN 71-3, 2015
Cadmium (Cd)	mg/kg	< 2,610	17	SRPS EN 71-3, 2015
Copper(Cu)	mg/kg	< 1,890	7 700	SRPS EN 71-3, 2015
Lead (Pb)	mg/kg	< 27,620	160	SRPS EN 71-3, 2015
Nickel (Ni)	mg/kg	< 2,320	930	SRPS EN 71-3, 2015
Manganese(Mn)	mg/kg	< 2,940	15 000	SRPS EN 71-3, 2015
Parameter - Migration of certain elements (paper and cardboard)	Measure unit	Found value	Reference value	Method's mark
Arsenic (As)	mg/kg	< 1,080	47	SRPS EN 71-3, 2015
Mercury(Hg)	mg/kg	0,100	94	SRPS EN 71-3, 2015
Zinc(Zn)	mg/kg	105,70	46 000	SRPS EN 71-3, 2015
Barium(Ba)	mg/kg	104,79	18 750	SRPS EN 71-3, 2015
Cobalt (Co)	mg/kg	< 9,380	130	SRPS EN 71-3, 2015
Cadmium (Cd)	mg/kg	2,69	17	SRPS EN 71-3, 2015
Copper(Cu)	mg/kg	148,50	7 700	SRPS EN 71-3, 2015
Lead (Pb)	mg/kg	48,82	160	SRPS EN 71-3, 2015
Nickel (Ni)	mg/kg	6,62	930	SRPS EN 71-3, 2015
Manganese(Mn)	mg/kg	122,50	15 000	SRPS EN 71-3, 2015

INTERPRETATION OF THE RESULTS:

On basis of the parameter analysis results, the examined sample:

- Sample toys: : Mosaik (M5, M10, M15, M 20, Letters, Foundations, Numbers, mix), Mega cube i Mega cube S (Network, carboard boxes, box)

- Migration tests according to Safety of toys-Part 3: Migration of certain elements ; EN 71-3/A1: 2014.

(SRPS EN 71-3, 2015), Category III.

Legend:

*method is not accredited

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