EC TYPE EXAMINATION REPORT

NB 1417

ÉMI-TÜV

Add value.
Inspire trust.

ÉMI-TÜV SÜD Kft. Central Laboratory KERMI Department

Szentendre, 07/08/2024

File No.: R-200320001821

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Name of Applicant:

Euro-Matic Kft.

address:

H-1224 Budapest, Máriás utca 30.

Date of application:

05/07/2024

Name of test samples:

60 mm colour ball, 75 mm colour ball, 80 mm colour ball

Producer of tested samples:

Euro-Matic Kft.

Subject of application:

Test of toys according to directive 2009/48/EC,

MSZ EN 71-1:2014+A1:2018,

MSZ EN 71-2:2021,

MSZ EN 71-3:2019+A1:2021,

lead, cadmium, phthalates, TCEP, TCPP, TDCP and

PAH(s) determination.

The MSZ EN 71-9:2005+A1:2008 2D, 2E, 2I

test results based on the test report No. R-1379659 of the

ÉMI-TÜV SÜD Kft. KERMI department.

Receipt date of test samples:

05/07/2024

Testing period:

05/07/2024 - 07/08/2024



Attention: The test results apply only to the tested samples. The test report may only be copied in its total volume, for making extracts the written approval of the issuer should be obtained.

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Name of test samples:



60 mm colour ball, 75 mm colour ball, 80 mm colour ball

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Test results

Tests required by Directive, 2009/48/EC (Harmonized Hungarian legislation: regulation 38/2011 (X.5.) NGM)

General requirements I.

Requirement		Result	
General requirements	Risks related to the shape, construction, composition, use and function shall be minimized	No risk.	

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II. PARTICULAR SAFETY REQUIREMENTS

MSZ EN 71-1:2014+A1:2018 Toy safety

Part 1.: Physical and mechanical properties

Require	Requirements			Results	
4. Gener	al requirements				
4.1.	Material cleanliness		rials must be clear of insect impurities.	Materials are visually clean.	
4.7.	Édges	8.11.	Sharpness of edges	No burr, no sharp edges.	
4.8.	Points and metallic wires	8.12.	Sharpness of points	No hazardous sharp points.	
4.15.	Toys intended to	o bear the r	nass of a child		
5. Toys i	ntended for childre	n under 36	months		
			Small parts	The tested sample does not contain separable smaller parts.	
		8.3.	Torque test	No arise small parts, edges and points.	
		8.4.	Tension test	>90N	
5.1.	General requirements	8.5.	Drop test	No arise small parts, edges and points.	
	1 2 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	8.6.	Tip over test	No arise small parts, edges and points.	
		8.7.	Impact test	No arise small parts, edges and points.	
		8.8.	Compression test	No arise small parts, edges and points.	
3.	Packaging			Not packaged.	
7.	Warnings and instruction for use	7.1.	General requirements	Warning labels according to requirements of Directive No. 2009/48/EC Recommended age group: 3+	

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11/2.

MSZ EN 71-2:2021 Safety of toys 2. Part: Flammability

Requ	Requirement		Result
4.	Requirement		
4.1.	General requirements	Must not contain highly flammable solids.	The samples no contain highly flammable solids.

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II. PARTICULAR SAFETY REQUIREMENTS II./3. **Chemical properties**

II./3.b. MSZ EN 71-3:2019+A1:2021 Safety of toys Part 3. Migration of certain elements

	Result [mg/kg] ± 10 rel. %	LOQ	Limit [mg/kg]
Tested parameter	ball mix red+green+yellow+ orange	ball mix white+blue+ transparent	[mg/kg]	Category III
Aluminium (Al)	<0.25	<0.25	0.25	28130
Antimony (Sb)	<0.025	<0.025	0.025	560
Arsenic (As)	<0.05	<0.05	0.05	47
Barium (Ba)	<0.15	<0.15	0.15	18750
Boron (B)	<0.25	0.3	0.25	15000
Cadmium (Cd)	<0.025	<0.025	0.025	17
Chromium (III) (Cr)	<0.01	<0.01	0.025	460
Chromium (VI) (Cr)	<0.01	<0.01	0.025	0.053
Cobalt (Co)	<0.025	<0.025	0.025	130
Copper (Cu)	0.6	<0.025	0.025	7700
Lead (Pb)	<0.025	<0.025	0.025	23
Manganese (Mn)	<0.025	<0.025	0.025	15000
Mercury (Hg)	<0.025	<0.025	0.025	94
Nickel (Ni)	<0.05	<0.05	0.05	930
Selenium (Se)	<0.05	<0.05	0.05	460
Strontium (Sr)	<0.05	<0.05	0.05	56000
Tin (Sn)	<0.05	<0.05	0.05	180000
Organic tin	<0.05	<0.05	0.05	12
Zinc (Zn)	0.8	<0.25	0.25	46000

LOQ: Limit of Quantification

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MSZ EN 71-9:2005+A1:2008 Safety of toys Part 9: Organic chemical compounds

2 D Monomers (migration):

Test results according to Test report No. R-1379659 of ÉMI-TÜV SÜD Kft. KERMI Department

Tested parameter	Result [mg/l]	LOQ	Limit	
Monomers (CAS No.):	ball mix	[mg/l]	[mg/l]	
Acrylamide (79-06-1)	<loq< td=""><td>0.01</td><td>0.02</td></loq<>	0.01	0.02	
Bisphenol A (80-05-7)	<loq< td=""><td>0.005</td><td>0.04</td></loq<>	0.005	0.04	
Formaldehyde (50-00-0)	<loq< td=""><td>0.1</td><td>2.5</td></loq<>	0.1	2.5	
Phenol (108-95-2)	<loq< td=""><td>1.0</td><td>5</td></loq<>	1.0	5	
Styrene (100-42-5)	<loq< td=""><td>0.01</td><td>0.75</td></loq<>	0.01	0.75	

LOQ: Limit of quantification

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MSZ EN 71-9:2005+A1:2008 Safety of toys Part 9: Organic chemical compounds

2 E Solvents (migration):

Test results according to Test report No. R-1379659 of ÉMI-TÜV SÜD Kft. KERMI Department

Tested Parameter	Result [mg/l]	LOQ	Limit
Migration of solvents (CAS No.):	1.	[mg/l]	[mg/l]
Trichloroethylene (79-01-6)	<loq< td=""><td>0.01</td><td>0.02</td></loq<>	0.01	0.02
Dichloromethane (75-09-2)	<loq< td=""><td>0.05</td><td>0.06</td></loq<>	0.05	0.06
2-Methoxyethyl acetate (110-49-6)	<loq< td=""><td>0.5</td><td></td></loq<>	0.5	
2-Ethoxyethanol (110-80-5)	<loq< td=""><td>0.5</td><td></td></loq<>	0.5	
2-Ethoxyethyl acetate (111-15-9)	<loq< td=""><td>0.5</td><td>0.5</td></loq<>	0.5	0.5
Bis(2-methoxyethyl) ether (111-96-6)	<loq< td=""><td>0.5</td><td></td></loq<>	0.5	
2-Methoxypropyl acetate (70657-70-4)	<loq< td=""><td>0.5</td><td></td></loq<>	0.5	
Methanol (67-56-1)	<loq< td=""><td>0.5</td><td>5</td></loq<>	0.5	5
Nitrobenzene (98-95-3)	<loq< td=""><td>0.01</td><td>0.02</td></loq<>	0.01	0.02
Cyclohexanone (108-88-3)	<loq< td=""><td>0.5</td><td>46</td></loq<>	0.5	46
3.5.5-Trimethyl-2- cyclohexene-1-one (78-59-1)	<loq< td=""><td>0.5</td><td>3</td></loq<>	0.5	3
Toluene (108-88-3)	<loq< td=""><td>0.5</td><td>2</td></loq<>	0.5	2
Ethylbenzene (100-41-4)	<loq< td=""><td>0.5</td><td>1</td></loq<>	0.5	1
Xylene (all isomers) (various No.)	<loq< td=""><td>0.5</td><td>2(total)</td></loq<>	0.5	2(total)

LOQ: Limit of quantification

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MSZ EN 71-9:2005+A1:2008 Safety of toys Part 9: Organic chemical compounds

2 | Determination of Plasticisers (migration)

Test results according to Test report No. R-1379659 of ÉMI-TÜV SÜD Kft. KERMI Department

Tested Parameter	Result [mg/l]		Limit
resteu Farametei	ball mix	[mg/l]	[mg/l]
Triphenyl phosphate	<loq< td=""><td>0.02</td><td>0.03</td></loq<>	0.02	0.03
Tri-o-cresyl phosphate	<loq< td=""><td>0.02</td><td>0.03</td></loq<>	0.02	0.03
Tri-m-cresyl phosphate	<loq< td=""><td>0.02</td><td>0.03</td></loq<>	0.02	0.03
Tri-p-cresyl phosphate	<loq< td=""><td>0.02</td><td>0.03</td></loq<>	0.02	0.03

LOQ: Limit of quantification

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The toy should not contain dangerous substances according to 1907/2006/EC (REACH) and amendments:

Test method: MSZ EN 17294-2:2005, determination: ICP-MS

	Result [n		
Tested Parameter	ball mix red+green+yellow+ orange	ball mix white+blue+ transparent	Limit [mg/kg]
Total cadmium content [mg/kg]	<10	<10	100 mg/kg
Total Lead content [w/w%]	<0.001	<0.001	0.05 w/w%

LOQ: Limit of Quantification, Cadmium: 10 mg/kg, Lead: 0.001 w/w%

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The toy should not contain dangerous substances according to 1907/2006/EC (REACH) and amendments: Phthalates

Test methods: CPSC-CH-C1001-09.4

				sult w%]		
No.	Tested Parameter	CAS No.	ball mix red+ green+ yellow+ orange	ball mix white+ blue+ transpar ent	LOQ [w/w%]	Limit [w/w%]
01	Di-methyl phthalate	131-11-3	<loq< td=""><td><loq< td=""><td>0.005</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.005</td><td></td></loq<>	0.005	
02	Di-ethyl phthalate	84-66-2	<loq< td=""><td><loq< td=""><td>0.005</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.005</td><td></td></loq<>	0.005	
03	Di-propyl phthalate (DPrP)	131-16-8	<loq< td=""><td><loq< td=""><td>0.005</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.005</td><td></td></loq<>	0.005	
04	Di-butyl phthalate (DBP)	84-74-2	<loq< td=""><td><loq< td=""><td>0.005</td><td>0.1</td></loq<></td></loq<>	<loq< td=""><td>0.005</td><td>0.1</td></loq<>	0.005	0.1
05	Di-iso-buthyl phthalate (DiBP)	84-69-5	<loq< td=""><td><loq< td=""><td>0.005</td><td>0.1</td></loq<></td></loq<>	<loq< td=""><td>0.005</td><td>0.1</td></loq<>	0.005	0.1
06	Benzyl butyl phthalate (BBP)	85-68-7	<loq< td=""><td><loq< td=""><td>0.005</td><td>0.1</td></loq<></td></loq<>	<loq< td=""><td>0.005</td><td>0.1</td></loq<>	0.005	0.1
07	Di-pentyl phthalate (DPP)	131-18-0	<loq< td=""><td><loq< td=""><td>0.005</td><td>0.1</td></loq<></td></loq<>	<loq< td=""><td>0.005</td><td>0.1</td></loq<>	0.005	0.1
08	Di-iso-pentyl phthalate (DiPP)	605-50-5	<loq< td=""><td><loq< td=""><td>0.005</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.005</td><td></td></loq<>	0.005	
09	N-pentyl-isopentyl phthalate (nPiPP)	776297-69-9 84777-06-0	<loq< td=""><td><loq< td=""><td>0.005</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.005</td><td></td></loq<>	0.005	
10	Di-hexyl phthalate (DHP) (DnHP)	84-75-3	<loq< td=""><td><loq< td=""><td>0.005</td><td>0.1</td></loq<></td></loq<>	<loq< td=""><td>0.005</td><td>0.1</td></loq<>	0.005	0.1
11	Di-n-octyl phthalate (DnOP)	117-84-0	<loq< td=""><td><loq< td=""><td>0.005</td><td>0.1</td></loq<></td></loq<>	<loq< td=""><td>0.005</td><td>0.1</td></loq<>	0.005	0.1
12	Di-iso-octyl phthalate (DiOP)	27554-26-3	<loq< td=""><td><loq< td=""><td>0.05</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.05</td><td></td></loq<>	0.05	
13	Di-nonyl phthalate (DNP)	84-76-4	<loq< td=""><td><loq< td=""><td>0.05</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.05</td><td></td></loq<>	0.05	
14	Di-iso-nonyl phthalate (DiNP)	68515-48-0	<loq< td=""><td><loq< td=""><td>0.05</td><td>0.1</td></loq<></td></loq<>	<loq< td=""><td>0.05</td><td>0.1</td></loq<>	0.05	0.1
15	Di-decyl phthalate (DDP)	84-77-5	<loq< td=""><td><loq< td=""><td>0.005</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.005</td><td></td></loq<>	0.005	
16	Di-iso-decyl phthalate (DiDP)	26761-40-0	<loq< td=""><td><loq< td=""><td>0.05</td><td>0.1</td></loq<></td></loq<>	<loq< td=""><td>0.05</td><td>0.1</td></loq<>	0.05	0.1
17	Di-un-decyl phthalate (DUP)	3648-20-2	<loq< td=""><td><loq< td=""><td>0.005</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.005</td><td></td></loq<>	0.005	
18	Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7	<loq< td=""><td><loq< td=""><td>0.005</td><td>0.1</td></loq<></td></loq<>	<loq< td=""><td>0.005</td><td>0.1</td></loq<>	0.005	0.1
19	Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8	<loq< td=""><td><loq< td=""><td>0.005</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.005</td><td></td></loq<>	0.005	
20	Di-allyl phthalate (DAP)	131-17-9	<loq< td=""><td><loq< td=""><td>0.005</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.005</td><td></td></loq<>	0.005	
21	Di-phenyl phthalate (DPhP)	84-62-8	<loq< td=""><td><loq< td=""><td>0.005</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.005</td><td></td></loq<>	0.005	
22	1.2-Benzenedicarboxylic acid. di-C6-8-branched alkyl esters. C-7 Rich (DiHP)	71888-89-6	<loq< td=""><td><loq< td=""><td>0.05</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.05</td><td></td></loq<>	0.05	

LOQ: Limit of Quantification

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Polycyclic aromatic hydrocarbons (PAH)

Test method:

AfPS GS 2019:01 PAK

Tested samples:

Sample 1: ball, red Sample 2: ball, green Sample 3: ball, yellow

Sample 4: ball, orange

PAH	CAS No.		Result	[mg/kg]	
IAII	CAO NO.	Sample 1	Sample 2	Sample 3	Sample 4
Benzo [a] pyrene	50-32-8	<loq< td=""><td><loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Benzo[e]pyrene	192-97-2	<loq< td=""><td><loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Benzo[j]fluoranthene	205-82-3	<loq< td=""><td><loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Benzo[a]anthracene	56-55-3	<loq< td=""><td><loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Benzo [b] fluoranthene	205-99-2	<loq< td=""><td><loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Benzo [k]fluoranthene	207-08-9	<loq< td=""><td><loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Chrysene	218-01-9	<loq< td=""><td><loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Dibenzo [a,h] anthracene	53-70-3	<loq< td=""><td><loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Benzo [g,h,i]perylene	191-24-2	<loq< td=""><td><loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Indeno [1,2,3-cd] pyrene	193-39-5	<loq< td=""><td><loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Phenantrene	85-01-8	<loq< td=""><td><loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Pyrene	129-00-0	<loq< td=""><td><loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Anthracene	120-12-	<loq< td=""><td><loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Fluoranthene	206-44-0	<loq< td=""><td><loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Naphthalane	91-20-3	<loq< td=""><td><loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Sum of 15 PAH (EPA)		<loq< td=""><td><loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>

LOQ: Limit of quantification: 0.2 mg/kg per component

Requirement: 1272/2013/EU: max. 0.5 mg/kg for bold labeled components

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Tested samples:

Sample 5: ball, white Sample 6: ball, blue

Sample 7: ball, transparent

РАН	CAS No.		Result [mg/kg]	
· All	OAO NO.	Sample 5	Sample 6	Sample 7
Benzo [a] pyrene	50-32-8	<loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Benzo[e]pyrene	192-97-2	<loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Benzo[j]fluoranthene	205-82-3	<loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Benzo[a]anthracene	56-55-3	<loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Benzo [b] fluoranthene	205-99-2	<loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Benzo [k]fluoranthene	207-08-9	<loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Chrysene	218-01-9	<loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Dibenzo [a,h] anthracene	53-70-3	<loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Benzo [g,h,i]perylene	191-24-2	<loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Indeno [1,2,3-cd] pyrene	193-39-5	<loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Phenantrene	85-01-8	<loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Pyrene	129-00-0	<loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Anthracene	120-12-	<loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Fluoranthene	206-44-0	<loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Naphthalane	91-20-3	<loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Sum of 15 PAH (EPA)		<loq< td=""><td><loq< td=""><td><loq< td=""></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>

LOQ: Limit of quantification: 0.2 mg/kg per component

Requirement: 1272/2013/EU: max. 0.5 mg/kg for bold labeled components

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The toy should not contain dangerous substances according to 2014/81/EU

Test methods: MSZ EN 71-10:2005 MSZ EN 71-11:2005

Tested Parameter	Result [mg/kg]	Limit
(CAS No.)	ball mix	[mg/kg]
TCEP content CAS: 115-96-8	<loq< td=""><td>5</td></loq<>	5
TCPP content CAS: 13674-84-5	<loq< td=""><td>5</td></loq<>	5
TDCP content CAS: 13674-87-8	<loq< td=""><td>5</td></loq<>	5

LOQ: Limit of Quantification: TCEP: 5 mg/kg TCPP, TDCP: 2 mg/kg



II./5. Hygiene

Tested parameter	Requirement	Result
Hygiene	Toys must be so designed and manufactured as to meet the requirements of hygiene and cleanliness in order to avoid any risk of infection. sickness. and contamination	Clean by wet wipe.

Radioactivity II./6.

Tested parameter	Requirement	Result
Radioactivity	Toys must not contain radioactive elements or substances in forms or proportions like to be detrimental to a child's health. According to KERMI-014	The samples did not exceed background radiation.

The samples were used for tests.

ÉMI-TÜV SÜD KR. KERMI Osztály

Zsolt Szépvölgyi Head of department

Gizella Kókai

Expert

Szilveszter Kárpáti

Testing expert