



CRS

C&K
C&K Testing

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Test Report

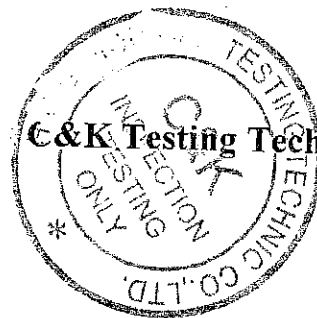
Report No.: TR20162278

Applicant _____

Address _____

Report Date

2016-05-04



C&K Testing Technic Co., Ltd.

HAA
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Test Report

Applicant	
Address	
Sample Name	E
Type/ Model	HL6330
Reference model	HL6328, HL6329, HL6331, HL6332, HL6333, HL6335, HL6336, HL6337, HL6338, HL6339, HL6340, HL6342, HL6098, HL6099, HL6101, HL6343, HL6111, HL6115, HL6130, HL6131, HL6132, HL6133, HL6135, HL6136, HL6137, HL6138, HL6139, HL6311, HL6312, HL6313, HL6315, HL6316, HL6317, HL6004, HL6006, HL6012, HL6014, HL6015, HL6016, HL6017, HL6018, HL6020, HL6022, HL6024, HL6029, HL6034, HL6039, HL6042-A, HL6044, HL6053, HL6055, HL6083, HL6087, <u>HL6001</u> , HL6009, HL6096, HL6026, HL6043, HL6040, HL6025, HL6123
Sample Received Date	2016-04-22
Test Period	2016-04-22 ~ 2016-05-04
Test Requirement	To determine the following items in the submitted sample(s) according to the client's requirement.

Test Item(s)	Test Result(s)
EN 71-1:2014-Mechanical and Physical Properties	Pass (Except clause 7.1 & 7.2)
Labeling requirement- Directive 2009/48/EC	See Test Results
EN 71-2:2011+ A1 :2014-Flammability	Pass
EN 71-3:2013+A1: 2014-Migration of certain elements	Pass
Phthalates Content-Annex XVII of REACH	Pass

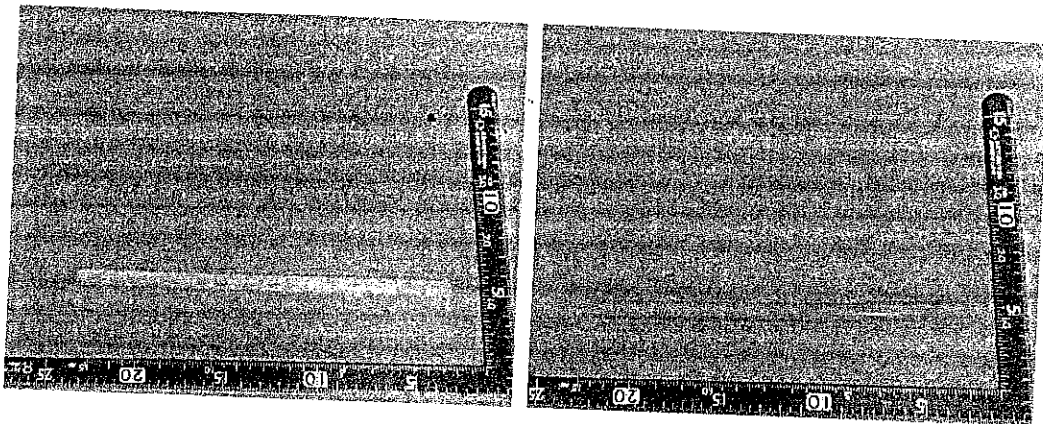
Complied by Crystal Su Inspected by Kate Zhang Authorized by Mark Li
Mark Li/ Lab Manager



Test Component(s):

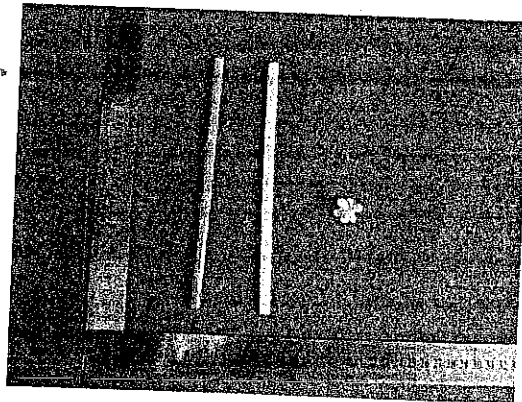
No.	Sample Serial No.	Test Component(s)
1	TR20162278001	Yellow solid
2	TR20162278002	Green solid
3	TR20162278003	BUILDING BLOCKS

Photo(s):



1

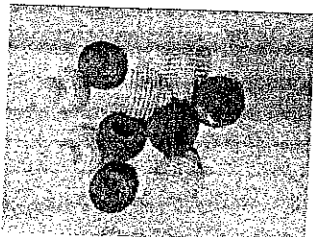
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3

TR20162278

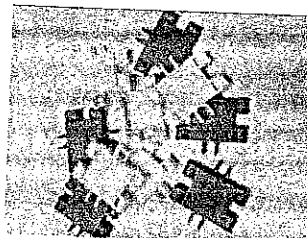
Reference photo:



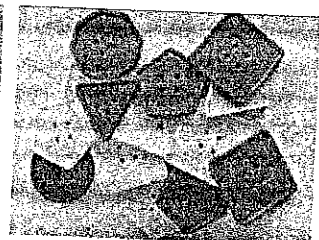
HL6001
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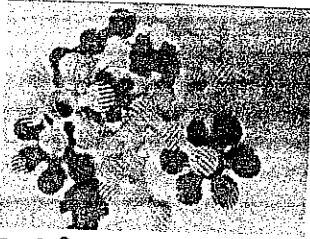
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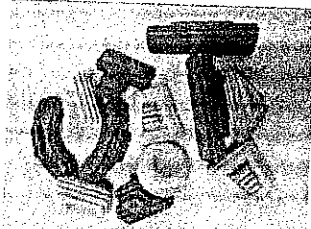
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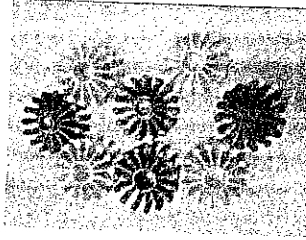
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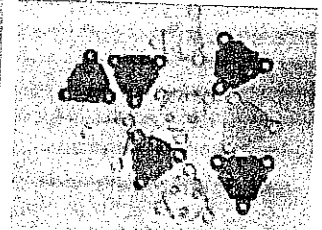
A2328 HL6012



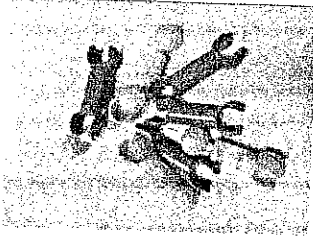
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HL6015



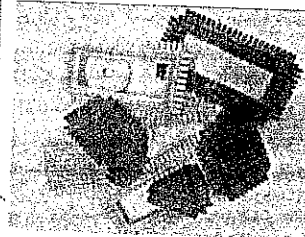
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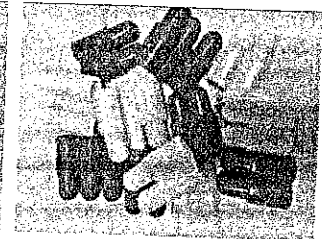
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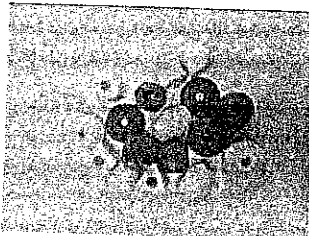
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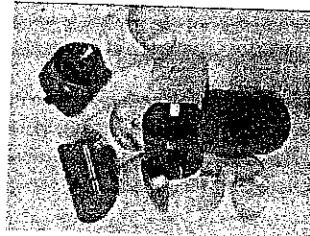
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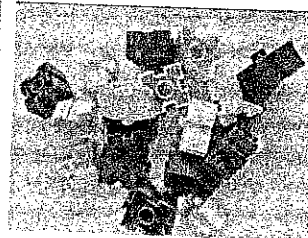
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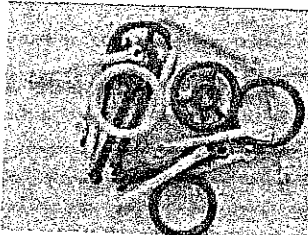
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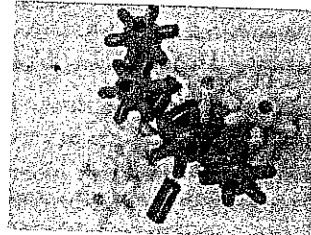
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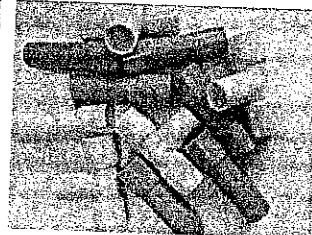
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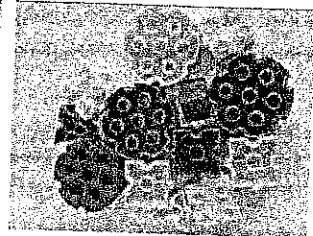
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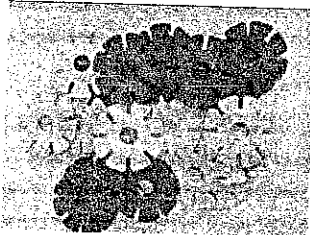
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HL6042-A *A2338*



HL6043



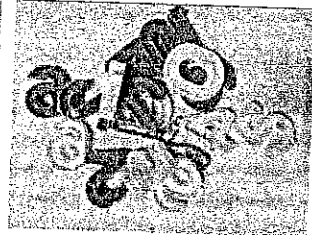
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HL6053 *A2360*



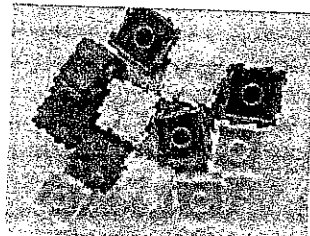
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HL6083



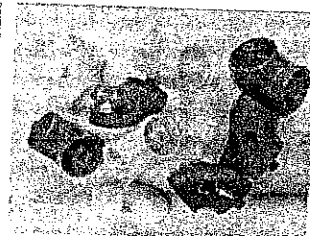
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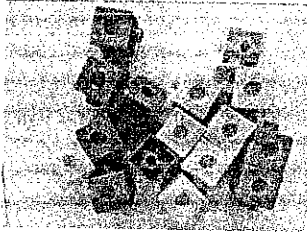
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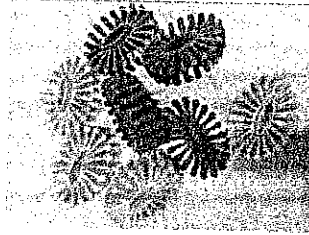
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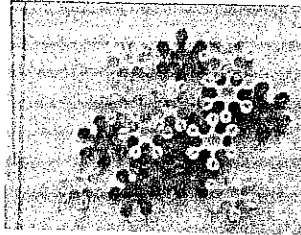
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12347 HL6101



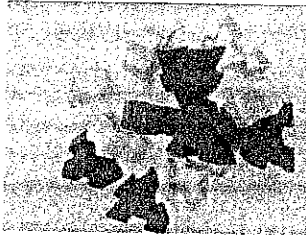
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HL6115



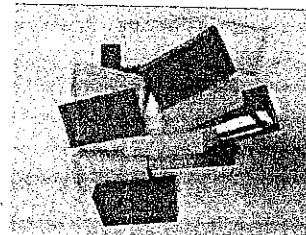
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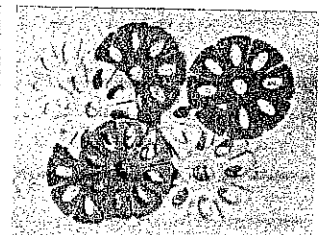
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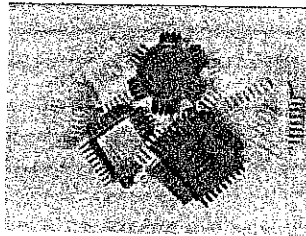
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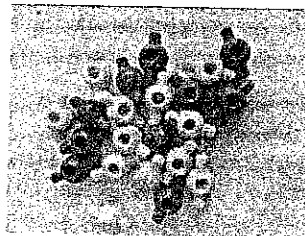
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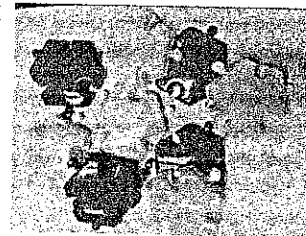
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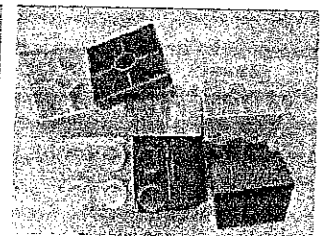
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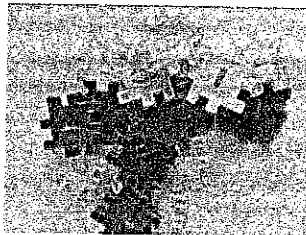
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HL6138



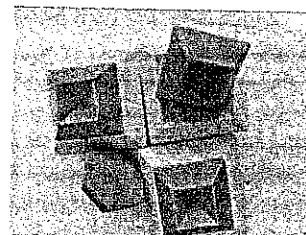
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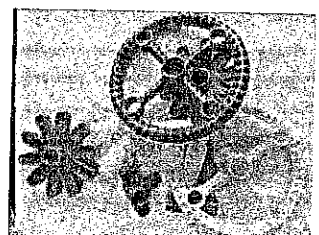
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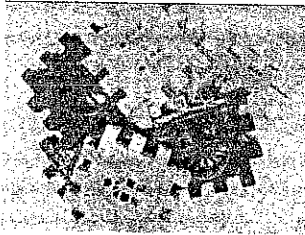
HL6312



HL6313



HL6315



HL6316



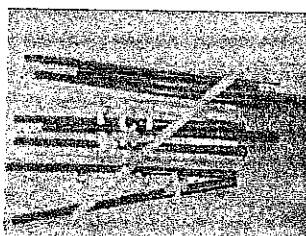
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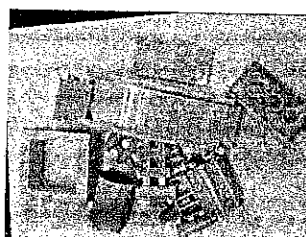
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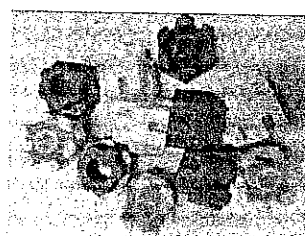
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HL6330



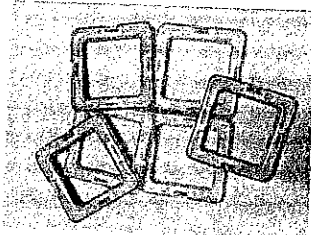
HL6331 /
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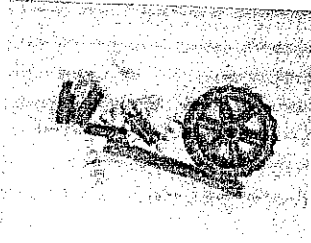
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HL6333



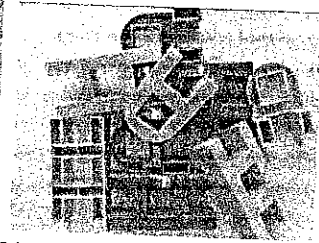
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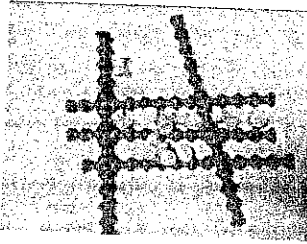
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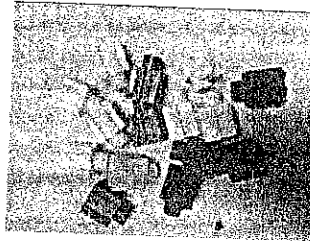
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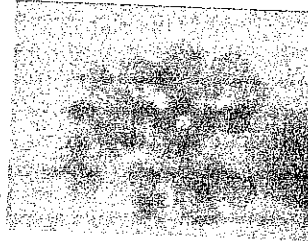
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HL6339



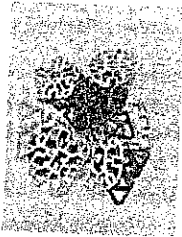
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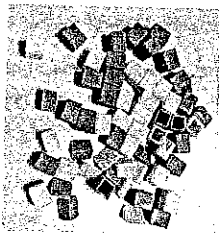
HL6342



HL6343



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HL6123



Mechanical and Physical Properties

As Specified in European Standard on Safety of Toys EN 71-1:2014

Clause	Test Item(s)		Test Result(s)
			3
4	General requirements		
4.1	Material cleanliness (by visual assessment)		Pass
4.2	Assembly		Not Applicable
4.3	Flexible plastics sheeting		Not Applicable
4.4	Toy Bags		Not Applicable
4.5	Glass		Not Applicable
4.6	Expanding Materials		Not Applicable
4.7	Edges		Pass
4.8	Points and Metallic Wires		Pass
4.9	Protruding parts		Not Applicable
4.10	Parts moving against each other:		
	4.10.1	Folding and sliding mechanisms	Not Applicable
	4.10.2	Driving mechanisms	Not Applicable
	4.10.3	Hinges	Not Applicable
	4.10.4	Springs	Not Applicable
4.11	Mouth-actuated toys and other toys intended to be put in the mouth		Not Applicable
4.12	Balloons		Not Applicable
4.13	Cords of toy kites and other flying toys		Not Applicable
4.14	Enclosures:		
	4.14.1	Toys which a child can enter	Not Applicable
	4.14.2	Masks and helmets	Not Applicable
4.15	Toys intended to bear the mass of a child:		
	4.15.1	Toys propelled by the child or by other means	Not Applicable
	4.15.2	Toy bicycles	Not Applicable
	4.15.3	Rocking horses and similar toys	Not Applicable
	4.15.4	Toys not propelled by a child	Not Applicable
	4.15.5	Toys scooters	Not Applicable
4.16	Heavy immobile toys		Not Applicable
4.17	Projectiles		Not Applicable
4.18	Aquatic toys and inflatable toys		Not Applicable
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps		Not Applicable
4.20	Acoustics:		
	4.20.2.1	General	Not Applicable



Clause	Test Item(s)		Test Result(s)
			3
4.20.2.2	Close-to-the-ear toys		Not Applicable
4.20.2.3	Table-top or floor toys		Not Applicable
4.20.2.4	Hand-held toys		Not Applicable
4.20.2.5	Toys using headphones or earphones		Not Applicable
4.20.2.6	Rattles		Not Applicable
4.20.2.7	Squeeze toys		Not Applicable
4.20.2.8	Pull-along or push toys		Not Applicable
4.20.2.9	Percussion toys		Not Applicable
4.20.2.10	Wind toys		Not Applicable
4.20.2.11	Cap-firing toys		Not Applicable
4.20.2.12	Voice toys		Not Applicable
4.21	Toys containing a non-electrical heat source		Not Applicable
4.22	Small balls		Not Applicable
4.23	Magnets		Not Applicable
4.24	Yo-yo balls		Not Applicable
4.25	Toys attached to food		Not Applicable
5	Toys intended for children under 36 months		
5.1	General requirements		Not Applicable
5.2	Soft-filled toys and soft-filled parts of a toy		Not Applicable
5.3	Plastic sheeting		Not Applicable
5.4	Cords, chains and electrical cables in toys		Not Applicable
5.5	Liquid-filled toys		Not Applicable
5.6	Speed limitation of electrically-driven ride-on toys		Not Applicable
5.7	Glass and porcelain		Not Applicable
5.8	Shape and size of certain toys		Not Applicable
5.9	Toys comprising monofilament fibres		Not Applicable
5.10	Small balls		Not Applicable
5.11	Play figures		Not Applicable
5.12	Hemispheric-shaped toys		Not Applicable
5.13	Suction cups		Not Applicable
5.14	Straps intended to be worn fully or partially around the neck		Not Applicable
6	Packaging		Not Applicable
7	Warnings, markings and instructions for use		
7.1	General		Not Request (See Remark)
7.2	Toys not intended for children under 36 months		Not Request (See Remark)
7.3	Latex Balloons		Not Applicable



Clause	Test Item(s)	Test Result(s)
		3
7.4	Aquatic toys	Not Applicable
7.5	Functional Toys	Not Applicable
7.6	Hazardous sharp functional edges and points	Not Applicable
7.7	Projectiles	Not Applicable
7.8	Imitation protective masks and helmets	Not Applicable
7.9	Toy kites	Not Applicable
7.10	Roller skates, inline skates, skateboards and certain other ride-on toys	Not Applicable
7.11	Toys intended to be attached to or strung across a cradle, cot, or perambulator	Not Applicable
7.12	Liquid-filled teethingers	Not Applicable
7.13	Percussion caps specifically designed for use in toys	Not Applicable
7.14	Acoustics	Not Applicable
7.15	Toys bicycles	Not Applicable
7.16	Toys intended to bear the mass of a child	Not Applicable
7.17	Toys comprising monofilament fibres	Not Applicable
7.18	Toy scooters	Not Applicable
7.19	Rocking horses and similar toys	Not Applicable
7.20	Magnetic/electrical experimental sets	Not Applicable
7.21	Toy with electrical cables exceeding 300mm in length	Not Applicable
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months	Not Applicable

Remark: There should be appropriate warning on toy or its packaging. As per client's request, exclude clause 7.1 & 7.2.



Labeling requirement

Washing/Cleaning instruction, CE mark, importer / manufacturer mark (name, address), product identification as specified in Directive 2009/48/EC - Safety of toys

Labeling Content	Observation Result	Location	Conclusion
			3
Washing/Cleaning Instruction	Not Applicable	--	--
CE mark	Not Present	--	See Remark 1
Importer's Name & Address	Not Present	--	See Remark 2
Manufacturer's Name & Address	Not Present	--	
Product ID	Not Present	--	See Remark 3

Remarks:

1. According to TSD 2009/48/EC, The CE marking shall be affixed before the toy is placed on the market and its height must be at least 5mm.
2. According to TSD 2009/48/EC, manufacturer's and Importer's name, registered trade name or registered trade mark and the address at which the manufacturer can be contacted must be indicated on the toy or, where that is not possible, on its packaging or in a document accompanying the toy.
3. According to TSD 2009/48/EC, manufacturers shall ensure that their toys bear a type, batch, serial or model number or other element allowing their identification, or, where the size or nature of the toy does not allow it, that the required information is provided on the packaging or in a document accompanying the toy.

Flammability of Toys

As Specified in European Standard on Safety of Toys EN 71-2:2011+ A1:2014.

Clause	Test Item(s)	Test Result(s)
		3
4	Requirements	
4.1	General Requirements	Pass
4.2	Toys to be worn on the head	Not Applicable
4.3	Toy disguise costumes and toys intended to be worn by a child in play	Not Applicable
4.4	Toys intended to be entered by a child.	Not Applicable
4.5	Soft-filled toys (animals and dolls, etc) (Sample was not tested if its maximum dimension is 150mm or less.)	Not Applicable



Migration of certain elements

(Category III: Scraped-off materials)

Test Methods: EN 71-3:2013+A1: 2014

Test Item(s)	MDL	Limit	Unit	Test Result(s)	
				1	2
Extractable Lead (Pb)	0.55	160	mg/kg	N.D.	N.D.
Extractable Antimony (Sb)	5	560	mg/kg	N.D.	N.D.
Extractable Arsenic (As)	0.75	47	mg/kg	N.D.	N.D.
Extractable Barium (Ba)	5	18750	mg/kg	N.D.	N.D.
Extractable Cadmium (Cd)	0.1	17	mg/kg	N.D.	N.D.
Extractable Mercury (Hg)	0.4	94	mg/kg	N.D.	N.D.
Extractable Selenium (Se)	5	460	mg/kg	N.D.	N.D.
Extractable Boron (B)	5	15000	mg/kg	N.D.	N.D.
Extractable Cobalt (Co)	0.9	130	mg/kg	N.D.	N.D.
Extractable Manganese (Mn)	5	15000	mg/kg	N.D.	N.D.
Extractable Strontium (Sr)	5	56000	mg/kg	N.D.	N.D.
Extractable Zinc (Zn)	5	46000	mg/kg	N.D.	N.D.
Extractable Copper (Cu)	5	7700	mg/kg	N.D.	N.D.
Extractable Aluminum (Al)	5	70000	mg/kg	N.D.	N.D.
Extractable Nickel (Ni)	5	930	mg/kg	N.D.	N.D.
Extractable Tin (Sn)	5	180000	mg/kg	N.D.	N.D.
Extractable Organic Tin	0.12	12	mg/kg	N.D.	N.D.
Extractable Chromium (III) (CrIII)	5	460	mg/kg	N.D.	N.D.
Extractable Chromium (VI) (CrVI)	0.005	0.2	mg/kg	N.D.	N.D.

Remark:

1. MDL = Method Detection Limit, N.D. = Not detected (<MDL)



Phthalates Content

Test Method: EN14372: 2004

Test Item(s)	CAS No.	MDL	Limit	Unit	Test Result(s)	
					1	2
Dibutyl phthalate (DBP)	84-74-2	10	1000	mg/kg	N.D.	N.D.
Bis (2-ethyl(hexyl)phthalate) (DEHP)	117-81-7	10		mg/kg	N.D.	N.D.
Benzyl butyl phthalate (BBP)	85-68-7	10		mg/kg	N.D.	N.D.
Di-"isononyl" phthalate (DINP)	28553-12-0	50	1000	mg/kg	N.D.	N.D.
Di-n-octyl phthalate (DNOP)	117-84-0	10		mg/kg	N.D.	N.D.
Di-"isodecyl" phthalate (DIDP)	26761-40-0	50		mg/kg	N.D.	N.D.

Remark:

1. MDL = Method Detection Limit, N.D. = Not detected (<MDL)

The end of report

