



Test Report

Report No.: TR20162278

12326
12328
12330/
12336/
12337
12338
12339
12340
12341
12342
12343
12344
12345
12347
12353/
12357

Applicant _____

Address _____

Report Date

2016-05-04

Hangzhou C&K Testing Technic Co., Ltd.



Hangzhou C&K Testing Technic Co., Ltd

Add : 1/F, No. 4 Building, Huaye Hi-Tech Industrial Park, No. 1180, Bin'an Road, Binjiang District, Hangzhou 310052, China.

Hotline : 4006-721-723 Lab Tel : +86 571-8720 6535 Fax : +86 571-8990 0719 E-mail : test@crs-group.com Website : www.crs-ck.com

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Test Report

Applicant	
Address	
Sample Name	F
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

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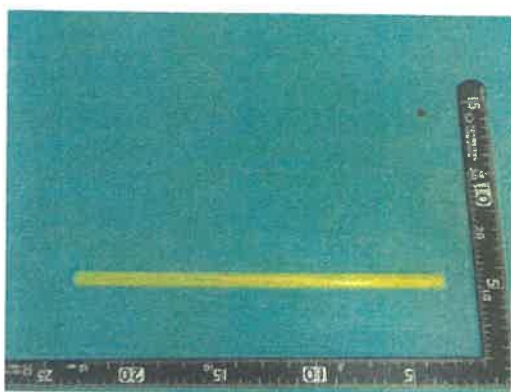
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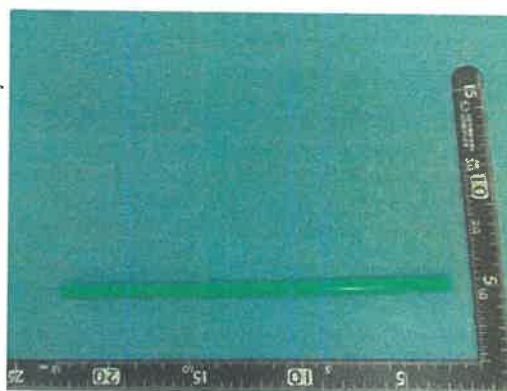
Test Component(s):

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

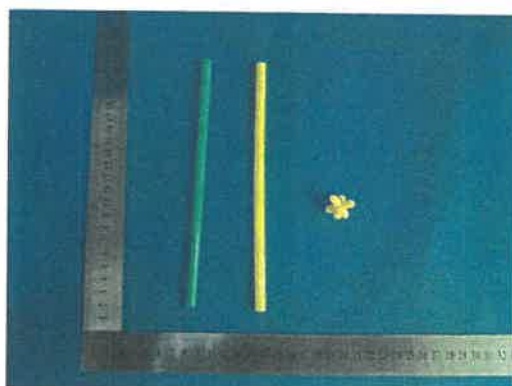
Photo(s):



1



2



3

TR20162278

Reference photo:



HL6001
17376



HL6004



HL6006
17361



HL6009

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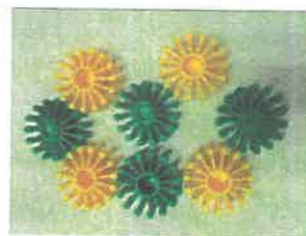
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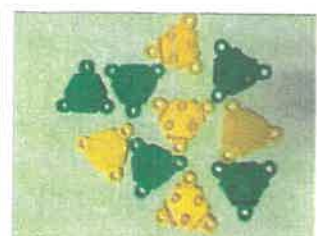
12328 HL6012



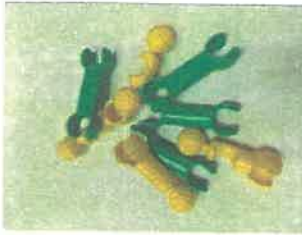
HL6014



HL6015



HL6016



HL6017



HL6018



HL6020 12330



HL6022



HL6024 12339



HL6026



HL6029



HL6034 12363



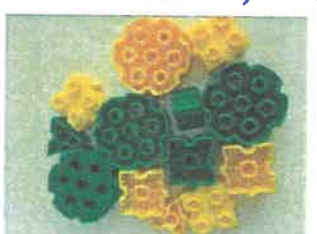
HL6039



HL6040



HL6042-A 12338



HL6043



HL6044 12364/65



HL6053 12360



HL6055



HL6083



HL6087



HL6096



HL6098



HL6099

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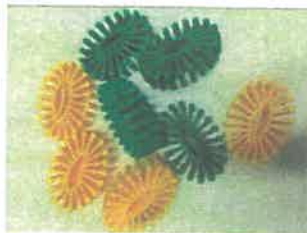
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12367 HL6101



HL6111



HL6115



HL6130



HL6131



HL6132



HL6133



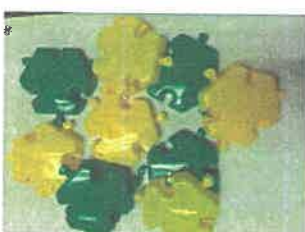
HL6135



HL6136



HL6137



HL6138



HL6139



HL6311



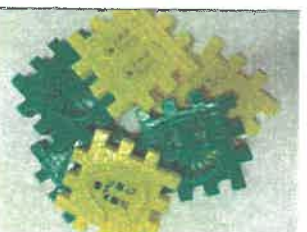
HL6312



HL6313



HL6315



HL6316



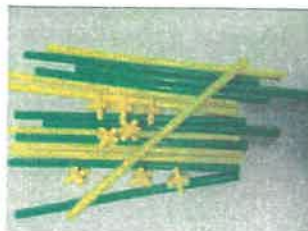
HL6317



HL6328



HL6329



HL6330



HL6331
12353



HL6332



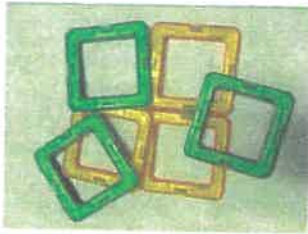
HL6333

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HL6335 12357



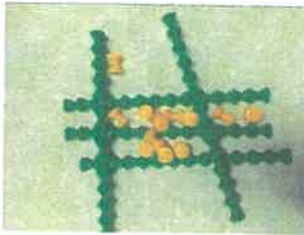
HL6336



HL6337 12334



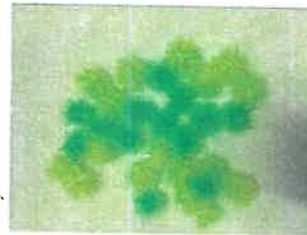
HL6338



HL6339



HL6340



HL6342



HL6343



HL6025
12342



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

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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

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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:

I. 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

