

TEST REPORT

LAB LOCATION: Dongguan, China
DATE IN: June 03, 2014

REPORT NUMBER: 62314-01928
DATE OUT: June 13, 2014

Applicant:	APEXCEL CO., LTD.		
Contact:	Connie Lin		
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<u>OVERALL RATING</u>	
SATISFACTORY	<u> X </u>
UNSATISFACTORY	<u> -- </u>

Sample Information			
Product Description:	MINI BUGGY		
Item/ Style Number:	#9012 / #9012L / #9012S / #600 / #601		
Purchase Order Number:	--	No. of Sample Submitted:	1 PC
Country of Origin:	CHINA	Country of Destination:	GERMANY
Buyer/ Agent:	BAYER CHIC 2000	Manufacturer:	--

Testing Status							
Pre-production	<input type="checkbox"/>	Production	<input type="checkbox"/>	Retest	<input type="checkbox"/>	Previous Report No.:	--
Other/ Comments:							

Photos of submitted sample



For and on behalf of
Modern Testing Services (HK) Ltd., Taiwan Branch

Johnny Tsai

Johnny Tsai
Manager, Hardlines

TESTING RESULT SUMMARY			
TEST PROPERTY	PASS	FAIL	COMMENTS
Safety of Toys – Mechanical & Physical Properties (EN71 Part 1: 2011+A2:2013)	X	--	See Test Result 1
Safety of Toys – Flammability (EN71 Part 2: 2011)	X	--	See Test Result 2
Safety of Toys – Migration of Certain Elements (EN 71-3:2013)	X	--	See Test Result 3

TEST RESULT:

1. EN71 Part 1: 2011+A2:2013, “Safety of toys – Part 1: Mechanical and physical properties”

AGE GRADE EVALUATION:

Client requested age grade: Ages 3 and up
Labeled age grade: Not declared
Appropriate age grade: Not applicable
Age grade for testing: Ages 3 and up

RESULTS:

<u>SUBCLAUSE</u>	<u>REQUIREMENT</u>	<u>RESULT</u>
4	GENERAL REQUIREMENTS	P
4.1	Material cleanliness	P
4.2	Assembly	P
4.3	Flexible plastic sheeting	NA
4.4	Toy Bags	NA
4.5	Glass	NA
4.6	Expanding materials	NA
4.7	Edges	P
4.8	Points and metallic wires	P
4.9	Protruding parts	P
4.10	Parts moving against each other	P
4.11	Mouth actuated toys and other toys intended to be put in the mouth	NA
4.12	Balloons	NA
4.13	Cords of toy kites and other flying toys	NA
4.14	Enclosures	NA

<u>SUBCLAUSE</u>	<u>REQUIREMENT</u>	<u>RESULT</u>
4.15	Toys intended to bear the mass of a child	NA
4.16	Heavy immobile toys	NA
4.17	Projectiles	NA
4.18	Aquatic toys and inflatable toys	NA
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps	NA
4.20	Acoustics	NA
4.21	Toys containing a non-electrical heat source	NA
4.22	Small balls	NA
4.23	Magnets	NA
4.24	Yo-yo balls	NA
4.25	Toys attached to food	NA
5	<u>TOYS INTENDED FOR CHILDREN UNDER 36 MONTHS</u>	<u>NA</u>
5.1	General requirements	NA
5.2	Soft-filled toys and soft-filled parts of a toy	NA
5.3	Plastic sheeting	NA
5.4	Cords, chains and electrical cables in toys	NA
5.5	Liquid-filled toys	NA
5.6	Speed limitation of electrically-driven ride-on toys	NA
5.7	Glass and porcelain	NA
5.8	Shape and size of certain toys	NA
5.9	Toys comprising monofilament fibres	NA
5.10	Small balls	NA
5.11	Play figures	NA
5.12	Hemispheric-shaped toys	NA
5.13	Suction cups	NA
5.14	Straps intended to be worn fully or partially around the neck	NA
6	<u>PACKAGING</u>	<u>NA</u>
7	<u>WARNING AND INSTRUCTION FOR USE</u>	<u>See Note</u>
7.1	General.	P
7.2	Toys not intended for children under 36 months	P
7.3	Latex balloons	NA
7.4	Aquatic toys	NA
7.5	Functional toys	NA
7.6	Hazardous sharp functional edges and points	NA
7.7	Projectiles	NA
7.8	Imitation protective masks and helmets	NA
7.9	Toy kites	NA

SUBCLAUSE	REQUIREMENT	RESULT
7.10	Roller skates, inline skates, skateboards and certain other ride-on toys	NA
7.11	Toys intended to be attached to or strung across a cradle, cot, or perambulator	NA
7.12	Liquid-filled teethingers	NA
7.13	Percussion caps specifically designed for use in toys	NA
7.14	Acoustics	NA
7.15	Toy bicycles	NA
7.16	Toys intended to bear the mass of a child	NA
7.17	Toys comprising monofilament fibres	NA
7.18	Toy Scooters	NA
7.19	Rocking horse and similar toys	NA
7.20	Magnetic/electrical experimental sets	NA
7.21	Toys with electrical cables exceeding 300mm in length	NA
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months	NA

Note: P = Pass F = Fail NA = Not Applicable NR = Not Requested

Note to clause 7:

The manufacturers obligations set out in the text of the note in EN71-1:2011 Clause 7 is for information only and the indents do not constitute requirements of this European Standard. The information is not exhaustive and Directive 2009/48/EC and the associated guidance documents should be consulted for further details.

- The 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.
- Manufacturers must 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.
- Manufacturers and importers must ensure that the toy is accompanied by instructions and safety information in a language or languages easily understood by consumers, as determined by the Member State concerned.

2. EN71: Part 2: 2011, "Safety of toys – Part 2: Flammability"

SUBCLAUSE	REQUIREMENT	RESULT
4	REQUIREMENTS	P
4.1	General	P
4.2	Toys to be worn on the head	NA
4.3	Toy disguise costumes and toys intended to be worn by child in play	NA
4.4	Toys intended to be entered by a child	NA
4.5	Soft-filled toys	NA

Notes: P = Pass F = Fail NA = Not applicable NR = Not requested



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COMPONENT BREAKDOWN LIST:

Test Item	Component Description
1	Silvery grey coating (On doll buggy)
2	White / black / red (Label)
3	Deep blue foam (Handle of doll buggy)
4	White plastic (Washer of silvery rivet / wheel)
5	Deep blue plastic (V-connector)
6	Deep blue plastic (U-connector)
7	Deep blue plastic (Lock)
8	Deep blue plastic (Tire / wheel)
9	White plastic (Buckle)
10	Deep blue fabric (Strap / edge of seat)
11	Deep blue fabric (Seat)
12	White fabric (Excluding coating) (Label)

3. Migration of Certain Elements – EN 71-3:2013

Category III: Scraped-off materials

Extractable Elements Test Item	Result (mg/kg)						Migration Limit (mg/kg)
	1	2	3	4	5	6	
Mass of Trace Amount (mg)	NA	17.6	NA	NA	NA	NA	-
Aluminum (Al)	179	78	13	<10	<10	<10	70000
Antimony (Sb)	<10	<10	<10	<10	<10	<10	560
Arsenic (As)	<10	<10	<10	<10	<10	<10	47
Barium (Ba)	10	<10	<10	<10	<10	<10	18750
Boron (B)	<100	<100	<100	<100	<100	<100	15000
Cadmium (Cd)	<5	<5	<5	<5	<5	<5	17
Chromium (III) (Cr III) (Remark 2)	<10	<10	<10	<10	<10	<10	460
Chromium (VI) (Cr VI) (Remark 2)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2
Cobalt (Co)	<10	<10	<10	<10	<10	<10	130
Copper (Cu)	<10	<10	<10	<10	<10	<10	7700
Lead (Pb)	<10	<10	<10	<10	<10	<10	160
Manganese (Mn)	<10	<10	<10	<10	<10	<10	15000
Mercury (Hg)	<10	<10	<10	<10	<10	<10	94
Nickel (Ni)	<10	<10	<10	<10	<10	<10	930
Selenium (Se)	<10	<10	<10	<10	<10	<10	460
Strontium (Sr)	13	15	<10	<10	<10	<10	56000
Tin (Sn)	<10	<10	<10	<10	<10	<10	180000
Organic Tin (Remark 2)	<3	<3	<3	<3	<3	<3	12
Zinc (Zn)	65	<10	475	46	<10	<10	46000
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	-

Extractable Elements	Result (mg/kg)						Migration Limit (mg/kg)
	7	8	9	10	11	12	
Test Item	7	8	9	10	11	12	-
Mass of Trace Amount (mg)	NA	NA	NA	NA	NA	NA	-
Aluminum (Al)	<10	<10	<10	14	12	93	70000
Antimony (Sb)	<10	<10	<10	<10	<10	<10	560
Arsenic (As)	<10	<10	<10	<10	<10	<10	47
Barium (Ba)	<10	<10	<10	<10	<10	<10	18750
Boron (B)	<100	<100	<100	<100	<100	<100	15000
Cadmium (Cd)	<5	<5	<5	<5	<5	<5	17
Chromium (III) (Cr III) (Remark 2)	<10	<10	<10	<10	<10	<10	460
Chromium (VI) (Cr VI) (Remark 2)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2
Cobalt (Co)	<10	<10	<10	<10	<10	<10	130
Copper (Cu)	<10	<10	<10	<10	<10	<10	7700
Lead (Pb)	<10	<10	<10	<10	<10	<10	160
Manganese (Mn)	<10	<10	<10	<10	<10	<10	15000
Mercury (Hg)	<10	<10	<10	<10	<10	<10	94
Nickel (Ni)	<10	<10	<10	<10	<10	<10	930
Selenium (Se)	<10	<10	<10	<10	<10	<10	460
Strontium (Sr)	<10	<10	<10	<10	<10	18	56000
Tin (Sn)	<10	<10	<10	<10	<10	<10	180000
Organic Tin (Remark 2)	<3	<3	<3	<3	<3	<3	12
Zinc (Zn)	<10	<10	<10	<10	11	<10	46000
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	-

Method: EN 71-3:2013. The contents of elements were determined by Inductively Coupled Argon Plasma Spectrometer / Inductively Coupled Plasma Mass Spectrometer.

Remark: 1. The material categories of tested item(s) are classified as below per clause 4.1 of this standard.

Category I: Dry, brittle, power like or pliable materials
Compressed paint tablets, materials intended to leave a trace or similar materials in solid form appearing as such in the toy (e.g. the cores of colouring pencils, chalk, crayons)
Pliable modelling materials, including modelling clays and plaster
Category II: Liquid or sticky materials
Liquid paints, including finger paints, varnishes, lacquers, liquid ink in pens and similar materials in liquid form appearing as such in the toy (e.g. slimes, bubble solution)
Glue sticks
Category III: Scraped-off materials
Coatings of paints, varnishes, lacquers, printing inks, polymers, foams and similar coatings



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Polymeric and similar materials, including laminates, whether textile reinforced or not, but excluding other textiles
Paper and paper board
Textiles, whether natural or synthetic
Glass, ceramic, metallic materials
Other materials whether mass coloured or not (e.g. wood, fibre board, hard board, bone and leather)

- The detection of Chromium element acts as the screening of Chromium (III) and Chromium (VI). The confirmation of Chromium (III) and Chromium (VI) content was conducted according to Annex F of EN 71-3: 2013 with analysis by Liquid Chromatography Coupled with Inductively Coupled Plasma Mass spectrometer. The detection of Tin element acts as the screening of Organic tin. The confirmation of Organic tin content was conducted according to Annex G of EN 71-3: 2013 with analysis by Gas Chromatograph Mass Spectrometer
- The accessibility of the submitted sample is verified according to EN71-1 before and after abuse.

Note: mg/kg = milligram per kilogram
 mg = milligram
 "<" = less than
 NA = Not applicable

Remark: According to the applicant's request, the following Warnings are shown in this report:
 WARNING! Not suitable for children below the age of 3, as there is a choking hazard from swallowable small parts, Assembly should be carried out by an adult.

NOTE:

If there is question or concern regarding the above results, please contact the appropriate lab person below:

General question & concern: **Kevin Chang**
 Sales Engineer
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Technical question & concern: **Johnny Tsai**
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The testing lab overall rating is provided to client as an aid in reviewing report data. The rating is based on lab results. Final product acceptance or rejection is per client only. Testing of vendor's merchandise by client is not a substitute for vendor's own testing and other quality assurance related obligations in connection with its sale of merchandise to client. Client testing shall not limit client's rights, or diminish or remove any of vendor's responsibilities.