

Test Report

Number: GZHH00382701

Applicant: BBURAGO INTERNATIONAL LIMITED
UNIT 901-2, 9/F., EAST OCEAN CENTRE,
98 GRANVILLE ROAD, TSIMSHATSUI EAST,
KOWLOON, HONG KONG

Date: Oct 27, 2020

Attn: ICY HUANG

Sample Description:

Five (5) styles of submitted sample said to be :

No.	Item	Description	Color
1	18-31611	10cm Fendt 1050 Vario	Green
2	18-32001	1:50 Iveco Magirus 150E 28	Red
3	18-32010	1:50 Crane	Red
4	18-32017	1:52 Mercedes-Benz Unimog U5000 (round siren)	Red
5	18-32083	1:50 New Holland W170D	Yellow/Black

Labelled Age Group : "Ages 3+"
 Appropriate Age Grade for Testing : Over 3 years
 Packaging Provided by Applicant : Yes
 Country of Origin : China
 Applicant's Ref. : 18-31610 10cm Farm Tractor
 18-31650 10cm Farm Tractor w/trailer
 18-31651 10cm Fendt 1050 Vario with Tree Forwarder
 18-31630 #18-31630 10cm Farm Tractor w/front loader
 18-31652 10cm Fendt 1050 Vario Variowith Livestock Trailer
 18-31653 10cm Fendt 1050 Vario Variowith Combination Trailer ('19)
 18-31654 10cm Fendt 1050 Vario Variowith Tipping Trailer ('19)
 18-60020 Farm + Construction Floor Display
 18-60021 10cm Farm Tractor Floor Display
 18-31665 10 cm Fendt 1050 Vario with Whirl Rake ~ Asst 1
 18-31666 10 cm Fendt 1050 Vario with Cultivator ~ Asst 1
 18-31750 10 cm Farm Tractor with new accessories asst. in w/b
 18-32000 1/50 Emergency Force Collezione
 18-32001 1/50 Emergency Force Collezione ~ Iveco Magirus 150E 28
 18-32002 1/50 Emergency Force Collezione ~ Renault Premium
 18-32025 1/50 Emergency Force Collezione in Dispenser
 18-32050 1:50 VW Crafter + 1:43 Ford Focus Combi 2 pack (Hungarian Ambulance/Police)
 18-32051 VW Crafter, 54 pcs in Floor Display
 18-32055 VW Crafter, 12 pcs in dispenser
 Above sample information is submitted and/or identified by client

Date Sample Received : Oct 16, 2020
 Testing Period : Oct 16, 2020 ~ Oct 26, 2020

Tests conducted:

As requested by the applicant, refer to attached page(s) for details.

To be continued



Test Report

Number: GZHH00382701

Conclusion:

<u>Tested sample</u> Submitted sample(s)	<u>Standard</u>	<u>Result</u>
	EN71-1:2014+A1:2018 for mechanical and physical properties	Pass
	EN71-2:2011+A1:2014 Flammability test	Pass
Tested component(s) of submitted sample(s)	EN 71-3:2019 on migration of certain elements and (EU) 2019/1922 amending 2009/48/EC (applies from 20 May 2021) for Aluminium migration	Pass
	Cadmium Content Requirement in Annex XVII Entry 23 of the REACH Regulation (EC) No 1907/2006 and Amendment (EC) No 552/2009, (EU) No 494/2011, (EU) No 835/2012 and (EU) 2016/217	Pass
	Phthalates Content Requirement in Annex XVII Entry 51 & 52 of the REACH Regulation (EC) No 1907/2006 and Amendment (EC) No 552/2009 and (EU) 2018/2005	Pass
	<u>Test Item</u> Phthalates Content	See Test Conducted 6#
	<u>Standard</u> Polycyclic Aromatic Hydrocarbons (PAHs) Content Requirement In Annex XVII Item 50 of the REACH Regulation (EC) NO. 1907/2006 & Amendment No. 552/2009 and 1272/2013 with effect from 27 December 2015	Pass

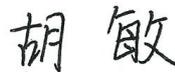
: This test in the report is not in the CNAS accredited testing scope.

Approved:




Albert Chen
Toys Lab Assistant Manager

Approved:



Bella Hu
Assistant Supervisor



Test Report

Number: GZHH00382701

Tests Conducted

1 Physical and Mechanical Tests

As per European Standard on Safety of toys EN71-1:2014+A1:2018

The submitted samples were undergone the following abuse tests:

Test	Clause	Parameter
Drop test	8.5	850 mm x 5 times
Impact test	8.7	1 kg

Clause	Testing Items	Assessment
4	General requirements	
4.1	Material	P
4.2	Assembly	NA
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	NA
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
4.15	Toys intended to bear the mass of a child	NA
4.16	Heavy immobile toys	NA
4.17	Projectile toys	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 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
4.26	Toy disguise costumes	NA
4.27	Flying toys	NA
5	Toys intended for children under 36 months	
5.1	General requirements	NA



Test Report

Number: GZHH00382701

Tests Conducted

Clause	Testing Items	Assessment
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
5.15	Sledges with cords for pulling	NA
6	Packaging	NA
7	Warnings, markings and instructions for use	
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	Projectile toys	NA
7.8	Imitation protective masks and helmets	NA
7.9	Toy kites	NA
7.10	Roller skates, inlineskates and skateboards and certain other ride-on toys	NA
7.11	Toys intended to be attached to 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 horses and similar toys	NA
7.20	Magnetic/electrical experimental sets	NA
7.21	Toys with electrical cables exceeding 300 mm in length	NA
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months	NA
7.23	Toys intended to be attached to a cradle, cot or perambulator	NA
7.24	Sledges with cords for pulling	NA
7.25	Flying toys	NA
7.26	Improvised projectiles	NA



Test Report

Number: GZHH00382701

Tests Conducted

Remark: P = Pass NA = Not Applicable

= Age warning statement and indication of hazard was found on the packaging.

Remark: Additional information according to the Toy Safety Directives 2009/48/EC requirement. These information also appears as a note within the EN71 but are not standard requirements:

1. Marking

The manufacturer's and importer's name, registered trade name or registered trade mark, the address and the CE-marking shall be indicated on the toy or, where that is not possible, on its packaging or in a document accompany the toy. In addition, 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.

- Manufacturer's name was on the packaging and toy.
- Manufacturer's address was on the packaging.
- Importer's name was on the packaging and toy.
- Importer's address was on the packaging.
- Product identification code was on the packaging.
- the CE-marking was on packaging and was in a correct format.

2 Flammability Test

As per European Standard on Safety of Toys EN71-2:2011+A1:2014

Clause	Testing Items	Assessment
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 a child in play	NA
4.4	Toys intended to be entered by a child	NA
4.5	Soft filled toys	NA

Remark: P = Pass NA = Not Applicable



Test Report

Number: GZHH00382701

Tests Conducted

3 19 Toxic Element Migration Test

(A) Test Result

As per EN 71-3:2019 and followed by Inductively Coupled Plasma Atomic Emission Spectrometry, Ion Chromatography with UV-VIS.

Category (III): Scraped-off toy material

Element	Result (mg/kg)					Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component						
	(1)	(2)	(4)	(5)	(7)		
Aluminium (Al)	4519	1130	2382	2564	2906	300	70000 / 28130▲
Antimony (Sb)	ND	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	ND	10	47
Barium (Ba)	ND	ND	ND	ND	ND	10	18750
Boron (B)	ND	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	ND	5	17
Chromium (III) (Cr III) #	ND	ND	ND	ND	ND	10	460
Chromium (VI) (Cr VI)	ND	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	ND	10	130
Copper (Cu)	ND	ND	ND	ND	ND	10	7700
Lead (Pb)	ND	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	ND	ND	ND	10	15000
Mercury (Hg)	ND	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	ND	ND	2.5	180000
Organic tin **	ND	ND	ND	ND	ND	5	12
Zinc (Zn)	8767	415	309	8377	8814	100	46000



Test Report

Number: GZHH00382701

Tests Conducted

Element	Result (mg/kg)				Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component					
	(10)	(11)	(14)	(15)		
Aluminium (Al)	20693	3310	10487	1380	300	70000 / 28130 [▲]
Antimony (Sb)	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	10	47
Barium (Ba)	ND	ND	ND	ND	10	18750
Boron (B)	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	5	17
Chromium (III) (Cr III) [#]	ND	ND	ND	ND	10	460
Chromium (VI) (Cr VI)	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	10	130
Copper (Cu)	ND	ND	ND	ND	10	7700
Lead (Pb)	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	ND	ND	10	15000
Mercury (Hg)	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	ND	2.5	180000
Organic tin ^{**}	ND	ND	ND	ND	5	12
Zinc (Zn)	923	8903	134	7717	100	46000

Element	Result (mg/kg)				Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component					
	(17)to(29)	(30)	(31)	(34)		
Aluminium (Al)	ND	ND	ND	ND	300	70000 / 28130 [▲]
Antimony (Sb)	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	10	47
Barium (Ba)	ND	ND	ND	ND	10	18750
Boron (B)	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	5	17
Chromium (III) (Cr III) [#]	ND	ND	ND	ND	10	460
Chromium (VI) (Cr VI)	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	10	130
Copper (Cu)	ND	ND	ND	ND	10	7700
Lead (Pb)	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	ND	ND	10	15000
Mercury (Hg)	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	ND	2.5	180000
Organic tin ^{**}	ND	ND	ND	ND	5	12
Zinc (Zn)	ND	230	ND	ND	100	46000



Test Report

Number: GZHH00382701

Tests Conducted

Remark : mg/kg = milligram per kilogram
 ++ = Unless the test results were marked with "Δ", Organic tin contents were not directly determined and were derived from migration results of total tin.
 - Organic tin test result was expressed as tributyl tin.
 ND = Not detected (less than reporting limit)
 ▲ = The new Aluminium migration limit were quoted from Directive (EU) 2019/1922 amending Directive 2009/48/EC applicable from 20 May 2021.
 # = The reported value of migration of Chromium (III) = migration value of total Chromium – migration value of Chromium(VI).

Tested component(s):

Sequence No.	Test Component No.	Test Component Description(s)
SN1	(1)	Coatings (dark green, dark grey, white, red) on metal (pattern of body of #18-31611) (sample weight: 96.1mg).
SN2	(2)	Coatings (dark green, white, red, flesh color) on plastic (pattern of body, fender of #18-31611).
SN3	(4)	Coatings (white, yellow, dark blue, black, silver color) on plastic (pattern of #18-32017) (sample weight: 26.7mg).
SN4	(5)	Coatings (red, white, yellow, dark blue, black, silver color) on metal (pattern of head of #18-32017).
SN5	(7)	Coatings (yellow, white, black) on metal (head of #18-32083).
SN6	(8) @	Coatings (black, red, orange, silver color) on plastic (pattern of #18-32083).
SN7	(10)	Coatings (silver color, yellow, orange, white, black, dark blue) on plastic (body, wheels of #18-32001).
SN8	(11)	Coatings (red, silver color, yellow, orange, white, black, dark blue) on metal (head of #18-32001).
SN9	(12) @	Transparent blue coating on plastic (LED of #18-32001, #18-32010).
SN10	(14)	Coatings (silver color, orange, white, black, dark blue) on plastic (body, wheels of #18-32010).
SN11	(15)	Coatings (red, silver color, yellow, orange, white, black, dark blue) on metal (head, rod of #18-32010).
SN12	(17)	Black 70°PVC plastic (tire of #18-31611).
SN13	(18)	Black 60°PVC plastic (tire of #18-32017, #18-32083, #18-32001).
SN14	(19)	Transparent plastic (windows of #18-31611, #18-32017, #18-32083, #18-32001, #32010).
SN15	(20)	Black-grey plastic (fender of #18-31611).
SN16	(21)	Red plastic (wheels of #18-31611, body of #18-32017, #18-32001, #32010).
SN17	(22)	Black plastic (chassis, body, joint of #18-31611, #18-32017, #18-32001, chassis, wheels, joint of #18-32010).
SN18	(23)	White plastic excluding coating (exhaust pipe of #18-32010).
SN19	(24)	White plastic (top of #18-32017).
SN20	(25)	Dark yellow plastic (wheels of #18-32083).



Test Report

Number: GZHH00382701

Tests Conducted

Tested component(s):

Sequence No.	Test Component No.	Test Component Description(s)
SN21	(26)	Light yellow plastic (base of windows, joint of car hopper of #18-32083).
SN22	(27)	Light black plastic (base, top of windows of #18-32083).
SN23	(28)	Silver-grey plastic (ladder of #18-32001).
SN24	(29)	Dark grey plastic (wheels of #18-32001, #18-32010).
SN25	(30)	Transparent plastic excluding coating (LED of #18-32001, #18-32010).
SN26	(31)	Transparent blue plastic (LED of #18-32017) (sample weight: 30.1mg).
SN27	(32) @	White paper label with transparent plastic film and inaccessible coatings (sticker of #18-32001).
SN28	(33) @	White paper label with printings (blue, red, black) (sticker of #18-32010).
SN29	(34)	White string (fastener of #32010).

@: Since the sample weight of the component was less than 10 mg, soluble heavy metal analysis was not applicable.

(B) Categories of various toy materials

Category I: Dry, brittle, powder like or pliable

Solid toy material from which powder-like material is released during playing and semi-solid materials that may also leave residues on the hands during play. The material can be ingested. Contamination of the hands with the material may contribute to the oral exposure of the material. (e.g. the cores of colouring pencils, chalk, crayons, modelling clays and plaster).

Category II: Liquid or sticky

Fluid or viscous toy material, which can be ingested or to which dermal exposure may occur during playing. (e.g. liquid paints, finger paints, liquid ink in pens, glue sticks, slimes, bubble solution).

Category III: Scraped-off

Solid toy material with or without a coating, which can be ingested as a result of biting, tooth scraping, sucking or licking. (e.g. coatings, lacquers, plastics, paper, textiles, glass, ceramic, metallic, wooden, bone, leather and other materials).



Test Report

Number: GZHH00382701

Tests Conducted

4 Cadmium (Cd) Content

With reference to test method IEC 62321-5:2013, acid digestion method was used and total Cadmium content was determined by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (%)	Reporting Limit (%)
	Tested Component	
	(1), (2), (4), (5), (7/8), (10), (11/12), (14), (15), (17+18+19), (20+21+22), (23+24+25), (26+27+28), (29+30+31), (32)	
Cadmium (Cd)	ND	0.0005

Limit:

Category	Limit (%)
Wet paint	0.01
Surface coating	0.1
Plastic	0.01
Metal parts of jewellery and hair accessories	0.01

The limit was quoted according to Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and Amendment (EC) No 552/2009, (EU) No 494/2011, (EU) No 835/2012 and (EU) 2016/217, Annex XVII Entry 23 on Cadmium Content.

ND = Not detected (less than reporting limit)

The Cadmium content test of the tested components (7), (8), (11), (12) were conducted in composite for the materials which sample size is not sufficient to carry out the test individually.

Tested component(s):

Sequence No.	Test Component No.	Test Component Description(s)
SN1	(1)	Coatings (dark green, dark grey, white, red) on metal (pattern of body of #18-31611).
SN2	(2)	Coatings (dark green, white, red, flesh color) on plastic (pattern of body, fender of #18-31611).
SN3	(4)	Coatings (white, yellow, dark blue, black, silver color) on plastic (pattern of #18-32017).
SN4	(5)	Coatings (red, white, yellow, dark blue, black, silver color) on metal (pattern of head of #18-32017).
SN5	(7)	Coatings (yellow, white, black) on metal (head of #18-32083).
SN6	(8)	Coatings (black, red, orange, silver color) on plastic (pattern of #18-32083).
SN7	(10)	Coatings (silver color, yellow, orange, white, black, dark blue) on plastic (body, wheels of #18-32001).



Test Report

Number: GZHH00382701

Tests Conducted

Tested Component(s)

Sequence No.	Test Component No.	Test Component Description(s)
SN8	(11)	Coatings (red, silver color, yellow, orange, white, black, dark blue) on metal (head of #18-32001).
SN9	(12)	Transparent blue coating on plastic (LED of #18-32001, #18-32010).
SN10	(14)	Coatings (silver color, orange, white, black, dark blue) on plastic (body, wheels of #18-32010).
SN11	(15)	Coatings (red, silver color, yellow, orange, white, black, dark blue) on metal (head, rod of #18-32010).
SN12	(17)	Black 70°PVC plastic (tire of #18-31611).
SN13	(18)	Black 60°PVC plastic (tire of #18-32017, #18-32083, #18-32001).
SN14	(19)	Transparent plastic (windows of #18-31611, #18-32017, #18-32083, #18-32001, #32010).
SN15	(20)	Black-grey plastic (fender of #18-31611).
SN16	(21)	Red plastic (wheels of #18-31611, body of #18-32017, #18-32001, #32010).
SN17	(22)	Black plastic (chassis, body, joint of #18-31611, #18-32017, #18-32001, chassis, wheels, joint of #18-32010).
SN18	(23)	White plastic excluding coating (exhaust pipe of #18-32010).
SN19	(24)	White plastic (top of #18-32017).
SN20	(25)	Dark yellow plastic (wheels of #18-32083).
SN21	(26)	Light yellow plastic (base of windows, joint of car hopper of #18-32083).
SN22	(27)	Light black plastic (base, top of windows of #18-32083).
SN23	(28)	Silver-grey plastic (ladder of #18-32001).
SN24	(29)	Dark grey plastic (wheels of #18-32001, #18-32010).
SN25	(30)	Transparent plastic excluding coating (LED of #18-32001, #18-32010).
SN26	(31)	Transparent blue plastic (LED of #18-32017).
SN27	(32)	White paper label with transparent plastic film and inaccessible coatings (sticker of #18-32001).



Test Report

Number: GZHH00382701

Tests Conducted

5 Phthalate Content

With reference to ISO 8124-6:2018, and phthalate content was determined by Gas Chromatographic-Mass Spectrometric (GC-MS).

For 7 phthalates

Test Item	CAS No.	Result (%)	Reporting Limit (%)	Limit (%)
		Tested Component (3+6+9), (13+16), (17+18), (19+20+21), (22+23+24), (25+26+27), (28+29), (30+31), (32), (33)		
Dibutyl phthalate (DBP)	84-74-2	ND	0.005	--
Di-(2-ethyl hexyl) phthalate (DEHP)	117-81-7	ND	0.005	--
Benzyl butyl phthalate (BBP)	85-68-7	ND	0.005	--
Diisobutyl phthalate (DIBP)	84-69-5	ND	0.005	--
Sum of DBP, DEHP, BBP and DIBP	--	ND	--	0.1
Di-iso-nonyl phthalate (DINP)	28553-12-0	ND	0.005	--
Di-n-octyl phthalate(DNOP)	117-84-0	ND	0.005	--
Di-iso-decyl phthalate (DIDP)	26761-40-0	ND	0.005	--
Sum of DINP, DNOP and DIDP	--	ND	--	0.1

The limit was quoted according to Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and Amendment (EC) No 552/2009 and (EU) 2018/2005, Annex XVII Entry 51 & 52 on Phthalate Content.

ND = Not detected (less than reporting limit)

Tested component(s):

Sequence No.	Test Component No.	Test Component Description(s)
SN1	(3)	Coatings (dark green, dark grey, white, red) on metal/plastic (pattern of body, fender of #18-31611).
SN2	(6)	Coatings (red, white, yellow, dark blue, black, silver color) on metal/plastic (pattern of #18-32017).
SN3	(9)	Coatings (yellow, white, black, orange, silver color, red) on metal/plastic (head, pattern of #18-32083).
SN4	(13)	Coatings (silver color, yellow, orange, white, black, dark blue, red, transparent blue) on plastic/metal (body, wheels, LED of #18-32001).
SN5	(16)	Coatings (red, silver color, yellow, orange, white, black, dark blue) on metal/plastic (body, head, rod of #18-32010).



Test Report

Number: GZHH00382701

Tests Conducted

Tested Component(s):

Sequence No.	Test Component No.	Test Component Description(s)
SN6	(17)	Black 70°PVC plastic (tire of #18-31611).
SN7	(18)	Black 60°PVC plastic (tire of #18-32017, #18-32083, #18-32001).
SN8	(19)	Transparent plastic (windows of #18-31611, #18-32017, #18-32083, #18-32001, #32010).
SN9	(20)	Black-grey plastic (fender of #18-31611).
SN10	(21)	Red plastic (wheels of #18-31611, body of #18-32017, #18-32001, #32010).
SN11	(22)	Black plastic (chassis, body, joint of #18-31611, #18-32017, #18-32001, chassis, wheels, joint of #18-32010).
SN12	(23)	White plastic excluding coating (exhaust pipe of #18-32010).
SN13	(24)	White plastic (top of #18-32017).
SN14	(25)	Dark yellow plastic (wheels of #18-32083).
SN15	(26)	Light yellow plastic (base of windows, joint of car hopper of #18-32083).
SN16	(27)	Light black plastic (base, top of windows of #18-32083).
SN17	(28)	Silver-grey plastic (ladder of #18-32001).
SN18	(29)	Dark grey plastic (wheels of #18-32001, #18-32010).
SN19	(30)	Transparent plastic excluding coating (LED of #18-32001, #18-32010).
SN20	(31)	Transparent blue plastic (LED of #18-32017).
SN21	(32)	White paper label with transparent plastic film and inaccessible coatings (sticker of #18-32001).
SN22	(33)	White paper label with printings (blue, red, black) (sticker of #18-32010).

6 Phthalates Content

By solvent extraction and followed by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Test item	Result (%)	
	Tested component	
	(3+6+9), (13+16), (17+18), (19+20+21), (22+23+24), (25+26+27), (28+29), (30+31), (32), (33)	
		Reporting limit (%)
Di-n-hexyl phthalate (DnHP)	ND	0.01
Di-iso-butyl phthalate (DIBP)	ND	0.01
Di-cyclohexyl phthalate (DCHP)	ND	0.01
Di-n-pentyl phthalate (DPENP)	ND	0.01

ND = Not Detected



Test Report

Number: GZHH00382701

Tests Conducted

Tested Components:

Sequence No.	Test Component No.	Test Component Description(s)
SN1	(3)	Coatings (dark green, dark grey, white, red) on metal/plastic (pattern of body, fender of #18-31611).
SN2	(6)	Coatings (red, white, yellow, dark blue, black, silver color) on metal/plastic (pattern of #18-32017).
SN3	(9)	Coatings (yellow, white, black, orange, silver color, red) on metal/plastic (head, pattern of #18-32083).
SN4	(13)	Coatings (silver color, yellow, orange, white, black, dark blue, red, transparent blue) on plastic/metal (body, wheels, LED of #18-32001).
SN5	(16)	Coatings (red, silver color, yellow, orange, white, black, dark blue) on metal/plastic (body, head, rod of #18-32010).
SN6	(17)	Black 70°PVC plastic (tire of #18-31611).
SN7	(18)	Black 60°PVC plastic (tire of #18-32017, #18-32083, #18-32001).
SN8	(19)	Transparent plastic (windows of #18-31611, #18-32017, #18-32083, #18-32001, #32010).
SN9	(20)	Black-grey plastic (fender of #18-31611).
SN10	(21)	Red plastic (wheels of #18-31611, body of #18-32017, #18-32001, #32010).
SN11	(22)	Black plastic (chassis, body, joint of #18-31611, #18-32017, #18-32001, chassis, wheels, joint of #18-32010).
SN12	(23)	White plastic excluding coating (exhaust pipe of #18-32010).
SN13	(24)	White plastic (top of #18-32017).
SN14	(25)	Dark yellow plastic (wheels of #18-32083).
SN15	(26)	Light yellow plastic (base of windows, joint of car hopper of #18-32083).
SN16	(27)	Light black plastic (base, top of windows of #18-32083).
SN17	(28)	Silver-grey plastic (ladder of #18-32001).
SN18	(29)	Dark grey plastic (wheels of #18-32001, #18-32010).
SN19	(30)	Transparent plastic excluding coating (LED of #18-32001, #18-32010).
SN20	(31)	Transparent blue plastic (LED of #18-32017).
SN21	(32)	White paper label with transparent plastic film and inaccessible coatings (sticker of #18-32001).
SN22	(33)	White paper label with printings (blue, red, black) (sticker of #18-32010).



Test Report

Number: GZHH00382701

Tests Conducted

7 Polycyclic Aromatic Hydrocarbons (PAHs) Content

With reference to AfPS GS 2019:01 PAK (PAH), PAHs content was determined by Gas Chromatography-Mass Spectrometry (GC-MS).

Test item	Result (mg/kg)	Reporting limit (mg/kg)	Limit (mg/kg)
	Tested component		
	(1+2), (5+15), (7+10), (11+14), (17+18), (19+20), (21+22), (23+24), (25+26), (27+28), (29+30)		
Benzo[a]anthracene	ND	0.1	0.5
Chrysene	ND	0.1	0.5
Benzo[b]fluoranthene	ND	0.1	0.5
Benzo[k]fluoranthene	ND	0.1	0.5
Benzo[a]pyrene	ND	0.1	0.5
Dibenzo[a,h]anthracene	ND	0.1	0.5
Benzo[j]fluoranthene	ND	0.1	0.5
Benzo[e]pyrene	ND	0.1	0.5

ND= Not detected (less than reporting limit)

Tested Component(s):

Sequence No.	Test Component No.	Test Component Description(s)
SN1	(1)	Coatings (dark green, dark grey, white, red) on metal (pattern of body of #18-31611).
SN2	(2)	Coatings (dark green, white, red, flesh color) on plastic (pattern of body, fender of #18-31611).
SN3	(5)	Coatings (red, white, yellow, dark blue, black, silver color) on metal (pattern of head of #18-32017).
SN4	(7)	Coatings (yellow, white, black) on metal (head of #18-32083).
SN5	(10)	Coatings (silver color, yellow, orange, white, black, dark blue) on plastic (body, wheels of #18-32001).
SN6	(11)	Coatings (red, silver color, yellow, orange, white, black, dark blue) on metal (head of #18-32001).
SN7	(14)	Coatings (silver color, orange, white, black, dark blue) on plastic (body, wheels of #18-32010).
SN8	(15)	Coatings (red, silver color, yellow, orange, white, black, dark blue) on metal (head, rod of #18-32010).
SN9	(17)	Black 70°PVC plastic (tire of #18-31611).
SN10	(18)	Black 60°PVC plastic (tire of #18-32017, #18-32083, #18-32001).
SN11	(19)	Transparent plastic (windows of #18-31611, #18-32017, #18-32083, #18-32001, #32010).
SN12	(20)	Black-grey plastic (fender of #18-31611).



Test Report

Number: GZHH00382701

Tests Conducted

Tested Component(s):

Sequence No.	Test Component No.	Test Component Description(s)
SN13	(21)	Red plastic (wheels of #18-31611, body of #18-32017, #18-32001, #32010).
SN14	(22)	Black plastic (chassis, body, joint of #18-31611, #18-32017, #18-32001, chassis, wheels, joint of #18-32010).
SN15	(23)	White plastic excluding coating (exhaust pipe of #18-32010).
SN16	(24)	White plastic (top of #18-32017).
SN17	(25)	Dark yellow plastic (wheels of #18-32083).
SN18	(26)	Light yellow plastic (base of windows, joint of car hopper of #18-32083).
SN19	(27)	Light black plastic (base, top of windows of #18-32083).
SN20	(28)	Silver-grey plastic (ladder of #18-32001).
SN21	(29)	Dark grey plastic (wheels of #18-32001, #18-32010).
SN22	(30)	Transparent plastic excluding coating (LED of #18-32001, #18-32010).



Test Report

Number: GZHH00382701

Tests Conducted



End of report

The statements of conformity reported have considered the decision rule agreed, namely that Intertek have taken account of measurement uncertainty as calculated by Intertek, and applied according to ILAC-G8/09:2019 (Non-binary acceptance based on guard band $w = U$) except designation from the customer, regulation or test specification.

This report is made solely on the basis of your instructions and/or information and materials supplied by you. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the Review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or wilful misconduct. This report shall not be reproduced unless with prior written approval from Intertek Testing Services Shenzhen Limited, Guangzhou Branch.



Page 17 of 17

