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# Test Report

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Report No. : AGC08169230301-001

**SAMPLE NAME** : TRUCK

**MODEL NAME** : Please refer to the following page(s).

**APPLICANT** : GUANGDONG HUINA MODEL CO., LTD.

**STANDARD(S)** : Please refer to the following page(s).

**DATE OF ISSUE** : Mar.14, 2023

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Applicant : GUANGDONG HUINA MODEL CO., LTD.  
Address : No.9 Xin Xing Five Road,Xin Ning,Chenghai District,Shantou City  
Test Site : 2,6/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,  
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

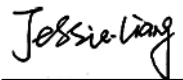
**Report on the submitted sample(s) said to be:**

Sample Name : TRUCK  
1310,1320,1330,1340,1350,1360,1370,1380,1390,1331,1332,1333,  
1334,1335,1336,1337,1338,1339,1510,1520,1530,1540,1550,1551,  
1552,1553,1554,1555,1556,1557,1558,1559,1560,1561,1562,1563,  
1564,1565,1566,1567,1568,1569,1570,1571,1572,1573,1574,1575,  
1576,1577,1578,1579,1580,1581,1582,1583,1584,1585,1586,1587,  
1588,1589,1590,1591,1592,1593,1594,1595,1596,1597,1598,1599,  
1511,1521,1531,1512,1522,1532,1513,1523,1533,1514,1524,1534,  
1515,1525,1535,1516,1526,1536,1517,1527,1537,1518,1528,1538,  
Model : 1519,1529,1539,K970-100,K970-100S,K350-100,K350-100S,  
K350-200,K970-200,K970-300,K3361,K3362,K3363,K3364,K988,  
K966,K336,K900,K911,K922,K933,K944,K955,K966,K977,K988,  
K999,K960,K961,K962,K963,K964,K965,K967,K968,K969,TR-122,  
TR-120,TR-113G,TR-112G,TR-211,TR-211-215,TR-215,TR-214,  
TR-212,TR-216,TR-217,TR-211M,TR-213,TR-111D-112D,TR-162,  
TR-134D,TR-123D,TR-211D,TR-218D,TR-212D,TR-213D,TR-311,  
TR-611,TR-211K,TR-133G,TR-143G,TR-1219D,TR-1420D,  
1535-1,1661  
Labeled Age Grading : 8+  
Age Group Applied in Testing : 8+  
Age Group Assessed by AGC : 8+  
As Per Age Guideline : 8+  
Sample receiving state : Normal  
Sample Received Date : Mar.10, 2022  
Testing Period : Mar.10, 2022 to Mar.28, 2022

Approved by: 

Qinlianzhi, Reed

Laboratory Supervisor

Approved by: 

Liangdan, Jessie.Liang

Technical Director

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Report Revise Record

Report Version	Issued Date	Valid Version	Notes
/	Mar.14, 2023	Valid	Initial release

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**Test Requested:**

**Conclusion**

(1) European Standard on Safety of Toys:

- |  |             |
|--|-------------|
| - EN 71-1: 2014+A1:2018 – Mechanical and Physical Properties | <b>Pass</b> |
| - EN 71-2:2020 – Flammability of Toys                        | <b>Pass</b> |
| - EN 71-3:2019+A1:2021 –Migration of certain elements        | <b>Pass</b> |

(2) Labeling requirement (Washing/Cleaning Label, CE mark, importer / manufacturer mark (name, address), product identification) according to the Directive 2009/48/EC-Safety of toys

**Pass**

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**Test Result(s):**
**European Standard on Safety of Toys**
**(1)-1:EN 71 Part 1: 2014+A1:2018 - Mechanical and Physical Properties**

Clause	Description	Result
4	GENERAL REQUIREMENTS	
4.1	Material cleanliness	Pass
4.2	Assembly	N/A
4.3	Flexible plastics sheeting	N/A
4.4	Toy bags	N/A
4.5	Glass	N/A
4.6	Expanding materials	N/A
4.7	Edges	Pass
4.8	Points and metallic wires	Pass
4.9	Protruding parts	N/A
4.10	Parts moving against each other	Pass
4.10.1	Folding and sliding mechanisms	N/A
4.10.2	Driving mechanisms	Pass
4.10.3	Hinges	N/A
4.10.4	Springs	N/A
4.11	Mouth-actuated toys and other toys intended to be put in the mouth	N/A
4.12	Balloons	N/A
4.13	Cords of toy kites and other flying toys	N/A
4.14	Enclosures	N/A
4.15	Toys intended to bear the mass of a child	N/A
4.16	Heavy immobile toys	N/A
4.17	Projectiles	N/A
4.18	Aquatic toys and inflatable toys	N/A
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps	N/A
4.20	Acoustics	Pass
4.21	Toys containing a non-electrical heat source	N/A
4.22	Small balls	N/A
4.23	Magnets	N/A

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Clause	Description	Result
4.24	Yo-yo balls	N/A
4.25	Toys attached to food	N/A
4.26	Toy Disguise Costumes	N/A
4.27	Flying toys	N/A
5	TOYS INTENDED FOR CHILDREN UNDER 36 MONTHS	
5.1	General requirements	N/A
5.2	Filling materials	N/A
5.3	Plastic sheeting	N/A
5.4	Cords, chains and electrical cables in toys	N/A
5.5	Liquid-filled toys	N/A
5.6	Speed limitation of electrically driven toys	N/A
5.7	Glass and porcelain	N/A
5.8	Shape and size of certain toys	N/A
5.9	Toys comprising monofilament fibres	N/A
5.10	Small balls	N/A
5.11	Play figures	N/A
5.12	Hemispheric-shaped toys	N/A
5.13	Suction cups	N/A
5.14	Straps intended to be worn fully or partially around the neck	N/A
5.15	Sledges with cords for pulling	N/A
6	PACKAGING	N/A
7	Warnings, markings and instructions for use	Pass

#### USE AND ABUSE TESTS

The samples were undergo the tests in accordance with section 8.3 through 8.13, whichever is applicable	
Clause	Test parameters
8.5 Drop Test	5*850 mm
8.7 Impact Test	1*100mm

#### Note:

- N/A=Not Application

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**(1)-2:EN 71 Part 2:2020 - Flammability of Toys**

Clause	Description	Result
4	Requirements	
4.1	General	Pass
4.2	Toys to be worn on the head	N/A
4.2.1	General	N/A
4.2.2	Beards, moustaches, wigs, etc. made from hair, pile or material with similar features (e.g. freehanging ribbons, paper or cloth strands), which protrude more than or equal to 50 mm from the surface of the toy	N/A
4.2.3	Beards, moustaches, wigs etc. made from hair, pile or material with similar features (e.g. freehanging ribbons, paper or cloth strands etc.), which protrude less than 50 mm from the surface of the toy	N/A
4.2.4	Full or partial moulded head masks	N/A
4.2.5	Flowing elements of toys to be worn on the head (except those covered by 4.2.2 and 4.2.3), hoods, head-dresses etc. and fabric masks which partially or fully cover the head, but excluding those items covered by 4.3	N/A
4.3	Toys disguise costumes and other toys intended to be worn by a child in play	N/A
4.4	Toys intended to be entered by a child	N/A
4.5	Soft Filled Toys (animals and dolls, etc) with a piled or textile surface	N/A

**Note:**

N/A=Not Application

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**(1)-3 EN 71-3:2019+A1:2021 –Migration of certain elements.**
**Table 1**

Permissible Limit for Different Materials(Unit: mg/kg)

Item	Category III In scraped-off toy material	Category II In liquid or sticky toy material	Category I In dry, brittle, powder-like or pliable toy material
Aluminium (Al) (M)	28130	560	2250
Antimony (Sb) (M)	560	11.3	45
Arsenic (As) (M)	47	0.9	3.8
Barium (Ba) (M)	18750	375	1500
Boron (B) (M)	15000	300	1200
Cadmium (Cd) (M)	17	0.3	1.3
Chromium III(Cr(III)) (M)	460	9.4	37.5
Chromium VI (Cr(VI)) (M)	0.053	0.005	0.02
Cobalt (Co) (M)	130	2.6	10.5
Copper (Cu) (M)	7700	156	622.5
Lead (Pb) (M)	23	0.5	2.0
Manganese (Mn) (M)	15000	300	1200
Mercury (Hg) (M)	94	1.9	7.5
Nickel (Ni) (M)	930	18.8	75
Selenium (Se) (M)	460	9.4	37.5
Strontium (Sr) (M)	56000	1125	4500
Tin (Sn) (M)	180000	3750	15000
Organic Tin (M)	12	0.2	0.9
Zinc (Zn) (M)	46000	938	3750

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**Category III: Scrapped - off toy material**
**Test method:** EN 71-3:2019+A1:2021, Analysis was performed by ICP-OES, GC-MS.

Unit: mg/kg

Tested Item(s)	Result(s)							MDL	Limit
	1	2	3	4	5	10	11		
Aluminium (Al) (M)	N.D.	N.D.	N.D.	N.D.	1075	N.D.	N.D.	50	See Table 1
Antimony (Sb) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.0	
Arsenic (As) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.5	
Barium (Ba) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
Boron (B) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
Cadmium (Cd) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.3	
Chromium III (Cr(III)) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.2	
Chromium VI (Cr(VI)) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.005	
Cobalt (Co) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.5	
Copper (Cu) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
Lead (Pb) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.25	
Manganese (Mn) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
Mercury (Hg) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1.0	
Nickel (Ni) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	10	
Selenium (Se) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	
Strontium (Sr) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
Tin (Sn) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
Organic Tin* (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.15	
Zinc (Zn) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
<b>Conclusion</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/	

Note: \* = Migration of organic tin is expressed as tributyl tin cation content in mg/kg.

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Tested Item(s)	Result(s)							MDL	Limit
	12	13	14	15	16	17	18		
Aluminium (Al) (M)	N.D.	N.D.	N.D.	N.D.	254	N.D.	737	50	See Table 1
Antimony (Sb) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.0	
Arsenic (As) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.5	
Barium (Ba) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
Boron (B) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
Cadmium (Cd) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.3	
Chromium III (Cr(III)) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.2	
Chromium VI (Cr(VI)) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.005	
Cobalt (Co) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.5	
Copper (Cu) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
Lead (Pb) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.25	
Manganese (Mn) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
Mercury (Hg) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1.0	
Nickel (Ni) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	10	
Selenium (Se) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	
Strontium (Sr) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
Tin (Sn) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
Organic Tin* (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.15	
Zinc (Zn) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	4910	50	
<b>Conclusion</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/	

Note: \* = Migration of organic tin is expressed as tributyl tin cation content in mg/kg.

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Tested Item(s)	Result(s)							MDL	Limit
	19	20	21	22	23	24	26		
Aluminium (Al) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	66	N.D.	50	See Table 1
Antimony (Sb) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.0	
Arsenic (As) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.5	
Barium (Ba) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
Boron (B) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
Cadmium (Cd) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.3	
Chromium III (Cr(III)) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.2	
Chromium VI (Cr(VI)) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.005	
Cobalt (Co) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.5	
Copper (Cu) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
Lead (Pb) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.25	
Manganese (Mn) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
Mercury (Hg) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1.0	
Nickel (Ni) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	10	
Selenium (Se) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	
Strontium (Sr) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
Tin (Sn) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
Organic Tin* (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.15	
Zinc (Zn) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
<b>Conclusion</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/	

Note: \* = Migration of organic tin is expressed as tributyl tin cation content in mg/kg.

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Tested Item(s)	Result(s)							MDL	Limit
	27	28	29	30	32	33	34		
Aluminium (Al) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	6882	N.D.	50	See Table 1
Antimony (Sb) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.0	
Arsenic (As) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.5	
Barium (Ba) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	51	N.D.	50	
Boron (B) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
Cadmium (Cd) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.3	
Chromium III (Cr(III)) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.2	
Chromium VI (Cr(VI)) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.005	
Cobalt (Co) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.5	
Copper (Cu) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
Lead (Pb) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.25	
Manganese (Mn) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
Mercury (Hg) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1.0	
Nickel (Ni) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	10	
Selenium (Se) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	
Strontium (Sr) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
Tin (Sn) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
Organic Tin* (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.15	
Zinc (Zn) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	5630	160	50	
<b>Conclusion</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/	

Note: \* = Migration of organic tin is expressed as tributyl tin cation content in mg/kg.

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Tested Item(s)	Result(s)							MDL	Limit
	35	36	37	38	39	41	42		
Aluminium (Al) (M)	N.D.	N.D.	2396	N.D.	N.D.	N.D.	N.D.	50	See Table 1
Antimony (Sb) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.0	
Arsenic (As) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.5	
Barium (Ba) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
Boron (B) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
Cadmium (Cd) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.3	
Chromium III (Cr(III)) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.2	
Chromium VI (Cr(VI)) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.005	
Cobalt (Co) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.5	
Copper (Cu) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
Lead (Pb) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.25	
Manganese (Mn) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
Mercury (Hg) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1.0	
Nickel (Ni) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	10	
Selenium (Se) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	
Strontium (Sr) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
Tin (Sn) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
Organic Tin* (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.15	
Zinc (Zn) (M)	N.D.	N.D.	5059	120	N.D.	N.D.	N.D.	50	
<b>Conclusion</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/	

Note: \* = Migration of organic tin is expressed as tributyl tin cation content in mg/kg.

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Unit: mg/kg

Tested Item(s)	Result(s)							MDL	Limit
	43	44	45	46	47	48	49		
Aluminium (Al) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	See Table 1
Antimony (Sb) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.0	
Arsenic (As) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.5	
Barium (Ba) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
Boron (B) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
Cadmium (Cd) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.3	
Chromium III (Cr(III)) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.2	
Chromium VI (Cr(VI)) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.005	
Cobalt (Co) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.5	
Copper (Cu) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
Lead (Pb) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.25	
Manganese (Mn) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
Mercury (Hg) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1.0	
Nickel (Ni) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	10	
Selenium (Se) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	
Strontium (Sr) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
Tin (Sn) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
Organic Tin* (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.15	
Zinc (Zn) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
<b>Conclusion</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/	

Note: \* = Migration of organic tin is expressed as tributyl tin cation content in mg/kg.

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Unit: mg/kg

Tested Item(s)	Result(s)	MDL	Limit
	50		
Aluminium (Al) (M)	N.D.	50	See Table 1
Antimony (Sb) (M)	N.D.	2.0	
Arsenic (As) (M)	N.D.	0.5	
Barium (Ba) (M)	N.D.	50	
Boron (B) (M)	N.D.	50	
Cadmium (Cd) (M)	N.D.	0.3	
Chromium III (Cr(III)) (M)	N.D.	0.2	
Chromium VI (Cr(VI)) (M)	N.D.	0.005	
Cobalt (Co) (M)	N.D.	2.5	
Copper (Cu) (M)	N.D.	50	
Lead (Pb) (M)	N.D.	0.25	
Manganese (Mn) (M)	N.D.	50	
Mercury (Hg) (M)	N.D.	1.0	
Nickel (Ni) (M)	N.D.	10	
Selenium (Se) (M)	N.D.	5	
Strontium (Sr) (M)	N.D.	50	
Tin (Sn) (M)	N.D.	50	
Organic Tin* (M)	N.D.	0.15	
Zinc (Zn) (M)	N.D.	50	
<b>Conclusion</b>	<b>Pass</b>	/	

Note: \* = Migration of organic tin is expressed as tributyl tin cation content in mg/kg.

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**(2) Labeling requirement (Washing/Cleaning Label, CE mark, importer / manufacturer mark (name, address), product identification) according to the Directive 2009/48/EC-Safety of toys\***

Summary table:

	On product	On packaging
Washing/Cleaning instruction	/	/
CE mark	Absent	Present
Manufacturer's name	Absent	Present
Manufacturer's address	Absent	Present
Importer's name	Absent	Present
Importer's address	Absent	Present
Product ID	Absent	Present

**Remark:**

1: Washing/Cleaning label According to Directive 2009/48/EC the following safety requirements apply regarding cleaning and washing: A toy intended for use by children under 36 months must be designed and manufactured in such a way that it can be cleaned. A textile toy must, to this end, be washable, except if it contains a mechanism that may be damaged if soak washed. The toy must fulfill the safety requirements also after having been cleaned in accordance with this point and the manufacturer's instructions. The manufacturer should, if applicable, provide instructions on how the toy has to be cleaned.

2: Toys made available on the market must bear the CE marking. The CE marking must be subject to the general principles set out in Article 30 of Regulation (EC) No 765/2008. The CE marking must be affixed visibly, legibly and indelibly to the toy, to an affixed label or to the packaging. In the case of small toys and toys consisting of small parts, the CE marking may alternatively be affixed to a label or an accompanying leaflet. Where, in the case of toys sold in counter displays, that is not technically possible, and on condition that the counter display was originally used as packaging for the toy, the CE marking may be affixed to the counter display. Where the CE marking is not visible from outside the packaging, if any, it shall as a minimum be affixed to the packaging. Where specific legislation does not impose specific dimensions, the CE marking must be at least 5 mm high.

3: The manufacturer'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. This requirement applies also to the name and address etc. of any importer.

4: 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

Test result was resubmitted sample on Mar.22, 2022.



Note:

mg/kg = milligram per kilogram      M = Migration

MDL = Method detection limit      N.D.= Not Detected (lower than method detection limit)

**Remark:**

- \* =The test items are not accredited by CNAS.

As received, the test portion of specimen No.6, No.7, No.8, No.9, No.25, No.31, No.40 are less than 10mg by weight on one single sample.No need to test for EN 71-3:2019+A1:2021–Migration of certain elements.

**Test Point Description**

Test point	Test parts	Test point description
1.	---	Grey plastic shell
2.	---	Black rubber chimney
3.	---	Orange plastic fence
4.	---	Bright black plastic
5.	---	Silver coating
6.	---	Earthy yellow coating
7.	---	Red coating
8.	---	Black coating
9.	---	White coating
10.	Rubber belt	Black rubber belt
11.		Black thread button
12.	wire rod	Black wire jacket
13.		Thread buckle
14.	---	Transparent window
15.	---	Black plastic frame
16.	---	Yellow coating
17.	---	Yellowish plastic gear
18.	Digging shovel	Grey coating
19.	Terminal connecting wire	Red wire jacket
20.		Black wire jacket
21.		Black plastic terminal
22.	---	Black plastic bottom shell
23.	---	Black plastic toggle switch
24.	---	White label
25.	---	Black Label
26.	Wheel	Black plastic wheel
27.		Black rubber tire
Remote control		
28.	---	Orange plastic shell
29.	---	Black plastic rocker
30.	---	Red LED
31.	---	Silver coating
32.	---	Black plastic toggle switch
Parts		

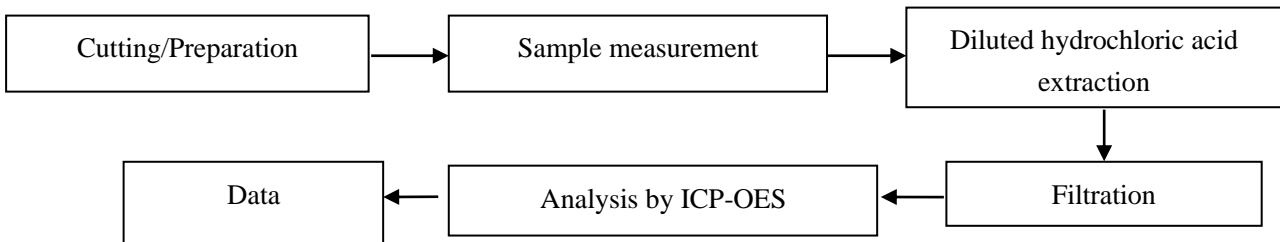
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Test point	Test parts	Test point description
33.	bit	Silver gray coating
34.		Black thread button
35.		Black outer wire jacket
36.		Black plastic plug
37.	grab	Black gray coating
38.		Black plastic frame
(NO 1550) difference		
39.	---	Earthy yellow plastic
40.	---	Crimson coating
41.	---	Red plastic terminal
(Remote control) difference		
42.	---	Earthy yellow plastic shell
(NO 1520) difference		
43.	---	Red plastic lampshade
44.	---	Black plastic inner seat
45.	---	Black plastic wheel
46.	---	Black rubber wheel
(NO 1540) difference		
47.	---	Milky plastic support
48.	---	Hot melt adhesive
49.	---	Red wire jacket
50.	---	Blue wire jacket

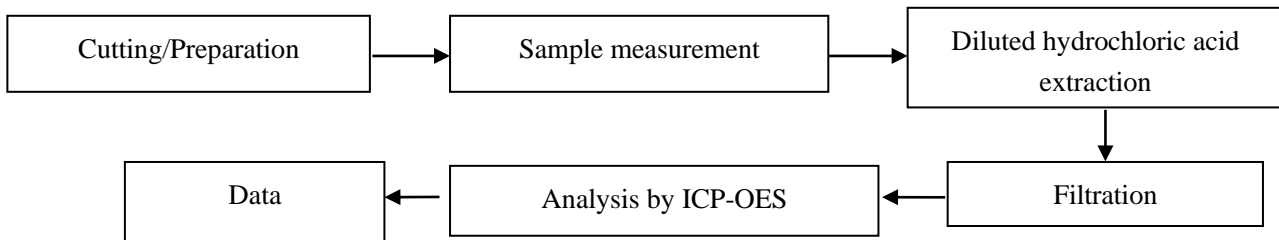
Note: "---" = The test point exists alone in the sample and is not attached to the test parts.

### Test Flow Chart

1. Test Flow Chart for Migration of 17 Heavy Metals-Lead, Cadmium, Chromium, Mercury, Antimony, Barium, Arsenic, Selenium, Aluminum, Boron, Cobalt, Copper, Manganese, Nickel, Strontium, Zinc and Tin:

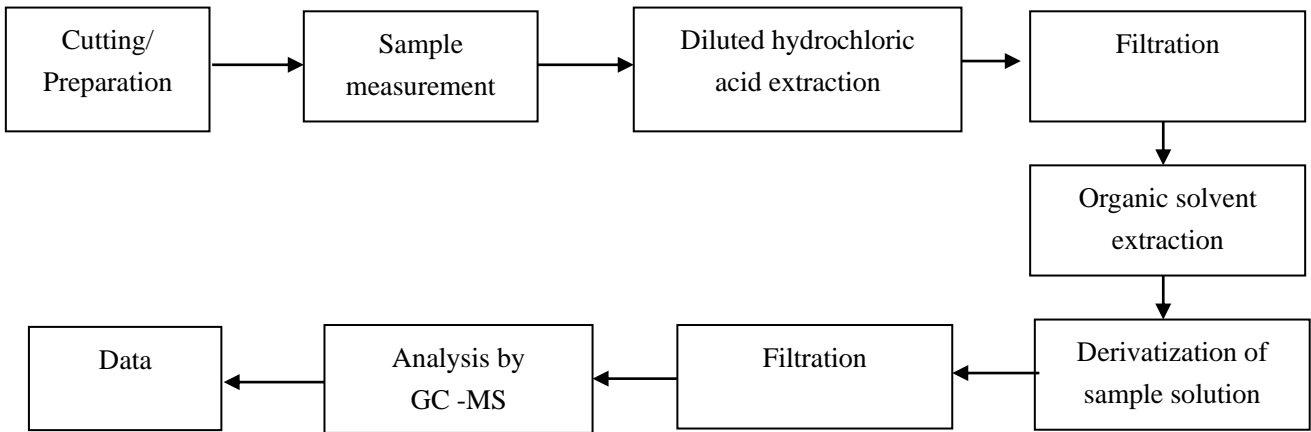


2. Test Flow Chart for Migration of Chromium(III) and Chromium(VI):



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3. Test Flow Chart for Migration of Organic Tin Compounds:



As client’s request, add this report that the results are copied from report No.: AGC08169220301-001.

**The photo of the sample**



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**AGC08169230301-001**

AGC authenticate the photo only on original report

\*\*\* End of Report \*\*\*

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2. Any report issued by Company as a result of this application for testing services (the “Report”) shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.
3. The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.
4. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.
5. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.
6. The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.
7. Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
8. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.
9. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

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