

**Test Report** No.: T51810211366TY Date: MAY 02, 2018 Page 1 of 23

GUANGDONG XINYU TECHNOLOGY INDUSTRIAL CO., LTD. LAIMEI INDUSTRIAL ZONE, CHENGHAI DISTRICT, SHANTOU, GUANGDONG

The following samples were submitted and identified by/on behalf of the client as:

1:14AA FORD F150

Item No.: 3338Labeled Age Grading: 8+

Requested Age Grading : OVER 8 YEARS
Age Group Assessed As Per Age : OVER 6 YEARS

Guideline

Age Group Applied in Testing : OVER 6 YEARS
Sample Receiving Date : MAR 16, 2018

Testing Period : MAR 16, 2018 TO MAY 02, 2018



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Test R	equested	Conclusion
1.	For compliance with the European standard on Safety of toys:-	
	EN 71-1:2014 – Safety of toys – Part 1: Mechanical and Physical Properties	PASS
	EN 71-2:2011+A1:2014 - Safety of toys - Part 2: Flammability	PASS
	Labeling requirement (Washing/Cleaning Label, CE mark, importer / manufacturer mark (name, address), product identification) according to the Directive 2009/48/EC-Safety of toys	SEE RESULT
	Directive 2009/48/EC and its amendment Council Directive (EU) 2017/738 – EN 71-3:2013 + A2:2017 – Migration of certain elements (All conclusive testing)	PASS
2.	European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendments – Phthalates content	PASS
3.	Phthalates Content	SEE RESULT

\*\*\*\*\*\*\* FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) \*\*\*\*\*\*\*\*

Signed for and on behalf of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch Testing Center

Feng Shaohong, Jessica

Lab Manager





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Results:

## **EUROPEAN STANDARD ON SAFETY OF TOYS**

#### EN 71-1:2014 - SAFETY OF TOYS - PART 1: MECHANICAL AND PHYSICAL PROPERTIES

AS SPECIFIED IN EN 71-1:2014 - SAFETY OF TOYS - PART 1: MECHANICAL AND PHYSICAL PROPERTIES

#### Clauses relevant to the item:

<u>Clause</u>	<u>Description</u>	<u>Result</u>
4	General requirements	
4.1	Material cleanliness	<u>Pass</u>
4.7	Edges	<u>Pass</u>
4.8	Points and metallic wires	Pass Pass
4.10	Parts moving against each other:	
	4.10.2 Driving mechanisms	<u>Pass</u>
7	Warnings, markings and instructions for use	
7.1	General Requirements	Pass Pass
	Note: Please note that for assessing the visibility and legibility of warnings, CEN has introduced good practice in the informative Annex A.33 by addressing the following aspects:	
	a) Emphasising the warning	
	b) Contrast, background and colours	
	c) Reflecting surfaces and obscuring material	
	d) Font type	
	e) Font size	
	f) Logical direction of text	
	For more details, see EN 71-1.	
7.2	Toys not intended for children under 36 months (Remark: The toy contains small parts. It is acceptable because appropriate warning is found on packaging.)	<u>Pass</u> <u>See Remark</u>

Only English warnings were checked for the clause 7. According to 2009/48/EC, warnings and safety instructions shall be written in a language or languages easily understood by consumers.



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#### EN 71-2:2011+A1:2014 - SAFETY OF TOYS - PART 2: FLAMMABILITY

AS SPECIFIED IN EN 71-2:2011+A1:2014 - SAFETY OF TOYS - PART 2: FLAMMABILITY

Clauses relevant to the item:

Clause Description

Result

4.1 General requirements

<u>Pass</u>

Type of gas: Butane gas used in the test burner

# LABELING REQUIREMENT (WASHING/CLEANING INSTRUCTION, CE MARK, IMPORTER / MANUFACTURER NAME AND ADDRESS, PRODUCT IDENTIFICATION) ACCORDING TO THE DIRECTIVE 2009/48/EC – SAFETY OF TOYS

#### Summary table:

	Observation Result	Location
Washing/Cleaning instruction	Not Applicable	
CE mark	Present	Toy / Packaging
Importer's Name & Address	Absent	
Manufacturer's Name & Address	Present	Packaging
Product ID	Present	Packaging

#### Note:

- 1. According to Directive 2009/48/EC, 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 manufacturer should, if applicable, provide instructions on how the toy has to be cleaned.
- 2. CE marking should be visible from outside the packaging and its height must be at least 5mm.
- 3. 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.
- 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.



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## <u>Directive 2009/48/EC and its amendment Council Directive (EU) 2017/738 – EN 71-3:2013 + A2:2017 – Migration of certain elements</u>

Category III: Scraped-off toy material

Method: With reference to EN 71-3:2013 + A2:2017. Analysis of general elements was performed by ICP-OES. Chromium (III) was obtained by calculation, chromium (VI) was analyzed by LC-ICP-MS and organic tin was analyzed by GC-MS.

Test Item(s)				Result(s)		MDL	Permissible Limit
Specimen No.			1	2	3		
Mass of trace amount		(mg)		22.5			
Soluble Aluminium	(AI)	(mg/kg)	ND	ND	ND	50	70000
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium	(Cr)	(mg/kg)	ND	ND	ND	0.15	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.12	0.2
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	10	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.3	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	ND	ND	ND	50	46000



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Test Item(s)				Result(s)		MDL	Permissible Limit
Specimen No.			4	5	6		-
Mass of trace amount		(mg)	13.6				
Soluble Aluminium	(AI)	(mg/kg)	ND	ND	ND	50	70000
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium	(Cr)	(mg/kg)	ND	ND	ND	0.15	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.12	0.2
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	10	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.3	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	ND	ND	ND	50	46000



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Test Item(s)				Result(s)		MDL	Permissible Limit
Specimen No.			7	8	9		
Mass of trace amount		(mg)					
Soluble Aluminium	(AI)	(mg/kg)	ND	ND	ND	50	70000
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium	(Cr)	(mg/kg)	ND	ND	ND	0.15	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.12	0.2
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	10	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.3	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	ND	ND	ND	50	46000



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Test Item(s)				Result(s)		MDL	Permissible Limit
Specimen No.			10	11	12		
Mass of trace amount		(mg)					
Soluble Aluminium	(AI)	(mg/kg)	ND	ND	ND	50	70000
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium	(Cr)	(mg/kg)	ND	ND	ND	0.15	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.12	0.2
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	10	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.3	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	ND	ND	ND	50	46000



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Test Item(s)				Result(s)		MDL	Permissible Limit
Specimen No.			13	14	15		
Mass of trace amount		(mg)			68.3		
Soluble Aluminium	(AI)	(mg/kg)	ND	ND	ND	50	70000
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium	(Cr)	(mg/kg)	ND	ND	ND	0.15	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.12	0.2
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	10	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.3	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	ND	ND	ND	50	46000



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Test Item(s)			Resu	ılt(s)	MDL	Permissible Limit
Specimen No.			16	17		
Mass of trace amount		(mg)	27.8	13.8		
Soluble Aluminium	(AI)	(mg/kg)	ND	ND	50	70000
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	5	17
Soluble Chromium	(Cr)	(mg/kg)	ND	ND	0.15	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	0.12	0.2
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	10	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	3.3	180000
Soluble Organic Tin		(mg/kg)	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	ND	ND	50	46000



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#### Specimen Description:

- 1. Black plastic (Body)
- 2. Laminated paper label w/ black printing (Sticker)
- 3. Black plastic (Switch)
- 4. Transparent red plastic (LED)
- 5. Black plastic (Rocker, button, battery door)
- 6. Black plastic (Antenna)
- 7. Black plastic (Bodywork, window, chassis, wheel, accessory, tank, holder)
- 8. Black soft plastic (Mirror)
- 9. Black plastic (Bodywork, bumper)
- 10. Transparent plastic (Light)
- 11. Black soft plastic (Tire)
- 12. Black plastic (Bumper, accessory)
- 13. Matt-black plastic (Point, accessory)
- 14. Black plastic (Bodywork above)
- 15. Black coating (Bodywork)
- 16. Red coating (Bodywork, connector)
- 17. Shiny silvery coating (Tank, light)

Note: - mg/kg = milligram per kilogram

- mg = milligram
- ND = Not Detected (lower than MDL)
- MDL = Method Detection Limit
- -1% = 10000 mg/kg = 10000 ppm
- As received, test portion of silvery plastic label (Sticker), pearl silvery coating (Bodywork, top), black coating on soft plastic (Mirror), transparent red coating (Light), multi-color coating (Pattern) is(are) less than 10 mg, therefore such component(s) was(were) not tested for migration of certain elements, as specified in EN 71-3:2013 + A2:2017.



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## European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendments - Phthalate content

Method: With reference to CPSC-CH-C1001-09.3 Analysis was performed by Gas Chromatography Mass Spectrometer (GC-MS)

## Materials can be placed in the mouth

Test Item(s)	CAS No.	F	esult (s) (%) MDL Pern			Permissible
Specimen No.		1	2	3	(%)	Limit (%)
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	ND	0.003	
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	ND	0.003	
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	ND	ND	0.003	
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	0.010	
Di-n-octyl Phthalate (DNOP)	117-84-0	ND	ND	ND	0.003	
Diisodecyl Phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	0.010	
Total (DBP+BBP+DEHP)	•	ND	ND	ND		0.1
Total (DINP+DNOP+DIDP)		ND	ND	ND		0.1

Test Item(s)	CAS No.	F	Result (s) (%	<b>5</b> )	MDL	Permissible	
Specimen No.		4	5	6	(%)	Limit (%)	
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	ND	0.003		
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	ND	0.003		
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	ND	ND	0.003		
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	0.010		
Di-n-octyl Phthalate (DNOP)	117-84-0	ND	ND	ND	0.003		
Diisodecyl Phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	0.010		
Total (DBP+BBP+DEHP)		ND	ND	ND		0.1	
Total (DINP+DNOP+DIDP)		ND	ND	ND		0.1	



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Test Item(s)	CAS No.	F	Result (s) (%	6)	MDL	Permissible
Specimen No.		7	8	9	(%)	Limit (%)
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	ND	0.003	
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	ND	0.003	
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	ND	ND	0.003	
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	0.010	
Di-n-octyl Phthalate (DNOP)	117-84-0	ND	ND	ND	0.003	
Diisodecyl Phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	0.010	
Total (DBP+BBP+DEHP)		ND	ND	ND		0.1
Total (DINP+DNOP+DIDP)		ND	ND	ND		0.1

Test Item(s)	CAS No.	F	Result (s) (%	6)	MDL	Permissible
Specimen No.		10	11	12	(%)	Limit (%)
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	ND	0.003	
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	ND	0.003	
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	ND	ND	0.003	
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	0.010	
Di-n-octyl Phthalate (DNOP)	117-84-0	ND	ND	ND	0.003	
Diisodecyl Phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	0.010	
Total (DBP+BBP+DEHP)		ND	ND	ND		0.1
Total (DINP+DNOP+DIDP)		ND	ND	ND		0.1



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Test Item(s)	CAS No.	F	Result (s) (%	6)	MDL	Permissible
Specimen No.		13	14	15	(%)	Limit (%)
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	ND	0.003	
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	ND	0.003	
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	ND	ND	0.003	
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	0.010	
Di-n-octyl Phthalate (DNOP)	117-84-0	ND	ND	ND	0.003	
Diisodecyl Phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	0.010	
Total (DBP+BBP+DEHP)		ND	ND	ND		0.1
Total (DINP+DNOP+DIDP)		ND	ND	ND		0.1

Test Item(s)	CAS No.	Result	(s) (%)	MDL	Permissible
Specimen No.		16	17	(%)	Limit (%)
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	0.003	
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	0.003	
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	ND	0.003	
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	0.010	
Di-n-octyl Phthalate (DNOP)	117-84-0	ND	ND	0.003	
Diisodecyl Phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	0.010	
Total (DBP+BBP+DEHP)		ND	ND		0.1
Total (DINP+DNOP+DIDP)		ND	ND		0.1



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Test Item(s)	CAS No.	Result	(s) (%)	MDL	Permissible
Specimen No.		18	19	(%)	Limit (%)
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	0.003	
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	0.003	
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	ND	0.003	
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	0.010	
Di-n-octyl Phthalate (DNOP)	117-84-0	ND	ND	0.003	
Diisodecyl Phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	0.010	
Total (DBP+BBP+DEHP)		ND	ND		0.1
Total (DINP+DNOP+DIDP)		ND	ND		0.1

#### Specimen Description:

- Black plastic (Body)
- 2. Laminated paper label w/ black printing (Sticker)
- 3. Black plastic (Switch)
- 4. Transparent red plastic (LED)
- 5. Black plastic (Rocker, button, battery door)
- 6. Black plastic (Antenna)
- 7. Black plastic (Bodywork, window, chassis, wheel, accessory, tank, holder)
- 8. Black soft plastic (Mirror)
- 9. Black plastic (Bodywork, bumper)
- 10. Transparent plastic (Light)
- 11. Black soft plastic (Tire)
- 12. Black plastic (Bumper, accessory)
- 13. Matt-black plastic (Point, accessory)
- 14. Silvery plastic label (Sticker)
- 15. Black plastic (Bodywork above)
- 16. Black coating (Bodywork)
- 17. Red coating (Bodywork, connector)
- 18. Shiny silvery coating (Tank, light) w/ pearl silvery coating (Bodywork, top)
- 19. Black coating on soft plastic (Mirror) w/ transparent red coating (Light), multi-color coating (Pattern)



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## Materials can not be placed in the mouth

Test Item(s)	CAS No.	F	Result (s) (%	MDL	Permissible	
Specimen No.		1	2	3	(%)	Limit (%)
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	ND	0.003	
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	ND	0.003	
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	ND	ND	0.003	
Total (DBP+BBP+DEHP)		ND	ND	ND		0.1

Test Item(s)	CAS No.	Result (s) (%)			MDL	Permissible
Specimen No.		4	5	6	(%)	Limit (%)
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	ND	0.003	
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	ND	0.003	
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	ND	ND	0.003	
Total (DBP+BBP+DEHP)		ND	ND	ND		0.1

Test Item(s)	CAS No.	Result (s) (%)			MDL	Permissible
Specimen No.		7	8	9	(%)	Limit (%)
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	ND	0.003	
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	ND	0.003	
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	ND	ND	0.003	
Total (DBP+BBP+DEHP)		ND	ND	ND		0.1

Test Item(s)	CAS No.	Result (s) (%)			S No. Result (s) (%) MDL	MDL	Permissible
Specimen No.		10	11	12	(%)	Limit (%)	
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	ND	0.003		
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	ND	0.003		
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	ND	ND	0.003		
Total (DBP+BBP+DEHP)		ND	ND	ND		0.1	



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Test Item(s)	CAS No.	F	Result (s) (%	<b>6</b> )	MDL	Permissible Limit (%)
Specimen No.		13	14	15	(%)	
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	ND	0.003	
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	ND	0.003	
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	ND	ND	0.003	
Total (DBP+BBP+DEHP)		ND	ND	ND		0.1

Test Item(s)	CAS No.	Result (s) (%)			MDL	Permissible	
Specimen No.		16	17	18	(%)	Limit (%)	
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	ND	0.003		
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	ND	0.003		
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	ND	ND	0.003		
Total (DBP+BBP+DEHP)		ND	ND	ND		0.1	

Test Item(s)	CAS No.	Result (s) (%)			MDL	Permissible
Specimen No.		19	20	21	(%)	Limit (%)
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	ND	0.003	
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	ND	0.003	
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	ND	ND	0.003	
Total (DBP+BBP+DEHP)		ND	ND	ND		0.1



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#### Specimen Description:

- 1. Transparent plastic washer (Battery door)
- 2. Matt-black plastic (Button)
- 3. Matt-black plastic (Base)
- 4. Black plastic (Thin wire jacket)
- 5. Red plastic (Thin wire jacket)
- 6. Cream adhesive paper tape (Inner)
- Matt-black plastic (Wire jacket)
- 8. White paper label (Sticker)
- 9. Off-white plastic (Gear, holder)
- 10. Black w/ red printed white paper label (Sticker)
- 11. Transparent hot melt glue
- 12. Dark orange plastic (Motor cover)
- 13. White printed dark green plastic (Electrolytic capacitor)
- 14. Black rubber (Electrolytic capacitor)
- 15. Dark cream plastic (Motor cover)
- 16. Translucent cream plastic part (Motor)
- 17. Matt-black plastic (Wire jacket)
- 18. Black heat shrinkable plastic tube
- 19. Black plastic (Medium wire jacket)
- 20. Red plastic (Medium wire jacket)
- 21. Dark cream plastic (Motor cover) w/ black coating on paper label (Sticker)

Note: - ND = Not Detected (lower than MDL)

- MDL = Method Detection Limit
- % = percentage by weight
- Results shown as ND are ignored in the sum calculation



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## **Phthalates Content**

Method: With reference to CPSC-CH-C1001-09.3

Analysis was performed by Gas Chromatography Mass Spectrometer (GC-MS)

Test Item(s)	CAS No.		Result(s) (%)					
Specimen No.		1	2	3	4	5		
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	ND	ND	0.003	
Di-n-Hexyl phthalate (DHP/DnHP/DHEXP)	84-75-3	ND	ND	ND	ND	ND	0.003	
Diethyl phthalate (DEP)	84-66-2	ND	ND	ND	ND	ND	0.003	
Dimethyl phthalate (DMP)	131-11-3	ND	ND	ND	ND	ND	0.003	

Test Item(s)	CAS No.	Result(s) (%)					MDL (%)
Specimen No.		6	7	8	9	10	
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	ND	ND	0.003
Di-n-Hexyl phthalate (DHP/DnHP/DHEXP)	84-75-3	ND	ND	ND	ND	ND	0.003
Diethyl phthalate (DEP)	84-66-2	ND	ND	ND	ND	ND	0.003
Dimethyl phthalate (DMP)	131-11-3	ND	ND	ND	ND	ND	0.003

Test Item(s)	CAS No.	Result(s) (%)					MDL (%)
Specimen No.		11	12	13	14	15	
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	ND	ND	0.003
Di-n-Hexyl phthalate (DHP/DnHP/DHEXP)	84-75-3	ND	ND	ND	ND	ND	0.003
Diethyl phthalate (DEP)	84-66-2	ND	ND	ND	ND	ND	0.003
Dimethyl phthalate (DMP)	131-11-3	ND	ND	ND	ND	ND	0.003



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Test Item(s)	CAS No.			MDL (%)			
Specimen No.		16	17	18	19	20	
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	ND	ND	0.003
Di-n-Hexyl phthalate (DHP/DnHP/DHEXP)	84-75-3	ND	ND	ND	ND	ND	0.003
Diethyl phthalate (DEP)	84-66-2	ND	ND	ND	ND	ND	0.003
Dimethyl phthalate (DMP)	131-11-3	ND	ND	ND	ND	ND	0.003

Test Item(s)	CAS No.		MDL (%)				
Specimen No.		21	22	23	24	25	
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	ND	ND	0.003
Di-n-Hexyl phthalate (DHP/DnHP/DHEXP)	84-75-3	ND	ND	ND	ND	ND	0.003
Diethyl phthalate (DEP)	84-66-2	ND	ND	ND	ND	ND	0.003
Dimethyl phthalate (DMP)	131-11-3	ND	ND	ND	ND	ND	0.003

Test Item(s)	CAS No.			MDL (%)			
Specimen No.		26	27	28	29	30	
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	ND	ND	0.003
Di-n-Hexyl phthalate (DHP/DnHP/DHEXP)	84-75-3	ND	ND	ND	ND	ND	0.003
Diethyl phthalate (DEP)	84-66-2	ND	ND	ND	ND	ND	0.003
Dimethyl phthalate (DMP)	131-11-3	ND	ND	ND	ND	ND	0.003

Test Item(s)	CAS No.			MDL (%)			
Specimen No.		31	32	33	34	35	
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	ND	ND	0.003
Di-n-Hexyl phthalate (DHP/DnHP/DHEXP)	84-75-3	ND	ND	ND	ND	ND	0.003
Diethyl phthalate (DEP)	84-66-2	ND	ND	ND	ND	ND	0.003
Dimethyl phthalate (DMP)	131-11-3	ND	ND	ND	ND	ND	0.003



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Test Item(s)	CAS No.			MDL (%)			
Specimen No.		36	37	38	39	40	
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	ND	ND	0.003
Di-n-Hexyl phthalate (DHP/DnHP/DHEXP)	84-75-3	ND	ND	ND	ND	ND	0.003
Diethyl phthalate (DEP)	84-66-2	ND	ND	ND	ND	ND	0.003
Dimethyl phthalate (DMP)	131-11-3	ND	ND	ND	ND	ND	0.003

#### Specimen Description:

- 1. Black plastic (Body)
- Laminated paper label w/ black printing (Sticker) 2.
- Black plastic (Switch) 3.
- Transparent red plastic (LED)
- Black plastic (Rocker, button, battery door)
- Black plastic (Antenna) 6.
- Transparent plastic washer (Battery door)
- Matt-black plastic (Button)
- 9. Matt-black plastic (Base)
- 10. Black plastic (Thin wire jacket)
- 11. Red plastic (Thin wire jacket)
- 12. Cream adhesive paper tape (Inner)
- 13. Matt-black plastic (Wire jacket)
- 14. Black plastic (Bodywork, window, chassis, wheel, accessory, tank, holder)
- 15. Black soft plastic (Mirror)
- 16. Black plastic (Bodywork, bumper)
- 17. Transparent plastic (Light)
- 18. Black soft plastic (Tire)
- 19. White paper label (Sticker)
- 20. Black plastic (Bumper, accessory)
- 21. Matt-black plastic (Point, accessory)



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#### Specimen Description:

- 22. Off-white plastic (Gear, holder)
- 23. Silvery plastic label (Sticker)
- 24. Black w/ red printed white paper label (Sticker)
- 25. Transparent hot melt glue
- 26. Black plastic (Bodywork above)
- 27. Dark orange plastic (Motor cover)
- 28. White printed dark green plastic (Electrolytic capacitor)
- 29. Black rubber (Electrolytic capacitor)
- 30. Dark cream plastic (Motor cover)
- 31. Translucent cream plastic part (Motor)
- 32. Matt-black plastic (Wire jacket)
- 33. Black heat shrinkable plastic tube
- 34. Black plastic (Medium wire jacket)
- 35. Red plastic (Medium wire jacket)
- 36. Dark cream plastic (Motor cover) w/ black coating on paper label (Sticker)
- 37. Black coating (Bodywork)
- 38. Red coating (Bodywork, connector)
- 39. Shiny silvery coating (Tank, light) w/ pearl silvery coating (Bodywork, top)
- 40. Black coating on soft plastic (Mirror) w/ transparent red coating (Light), multi-color coating (Pattern)

Note: - MDL = Method Detection Limit

- ND = Not Detected (lower than MDL)
- % = percentage by weight

N.B.: - Only applicable clauses were shown.



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 1443, or email: CN. Doccheck@sgs.com

 SSS.Bidg, No. 4, Janghao Industrial Park, No. 430, Jihua Read, Bantian, Longsang District, Shenzhen, China 518129
 t (86-755) 25328888
 f (86-755) 83106190
 www.sgsgroup.com.cn

 中国・深圳・龙岗区坂田吉华路430号江瀬工业园4栋SGS大楼
 邮编: 518129
 t (86-755) 25328888
 f (86-755) 83106190
 e sgs.china@sgs.com



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## Sample Photo:



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