

Report No.: **158238005a 001**

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Client: WELLY DIE CASTING FTY. LTD.

Contact Information: 37/F., One Midtown, No. 11, Hoi Shing Road, Tsuen Wan, Hong Kong

Test item(s): Toys

**Identification/
Model No(s):** Die Casting Model
Item no.: Please refer to page 3

Sample obtaining method: Sending by customer

Condition at delivery: Test item complete and undamaged.

Sample Receiving date: 2021-08-20

Testing Period: 2021-08-25 to 2021-09-09

Place of testing: Chemical laboratory Hong Kong, Toys laboratory Hong Kong

Test Specification:

Please refer to "Test Result Summary List" on page 2 for details

Other information:

The provided age grade of the item(s) : #24107 : 8+ ; #43802, 43809 : 3+

The appropriate age grade of the item(s) : For age over 3 years.

The item(s) was/ were tested for the age of over 3 years.

Packaging provided: Yes

Provided Sample size : 15 sets

For and on behalf of
TÜV Rheinland Hong Kong Ltd.



Amenda Yung/
Project Manager

2021-09-10

Date

Name/Position



Wong Yiu Tong , Tommy/
Senior Lab Manager

2021-09-10

Date

Name/Position

Sample information is provided by customer. Test result is drawn according to the kind and extent of tests performed.

This test report relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.

"Decision Rule" document announced in our website (<https://www.tuv.com/landingpage/en/qm-gcn/>) describes the statement of conformity and its rule of enforcement for test results are applicable throughout this test report.

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Test Result Summary :
Test Specification:
Test result:

1 EN 71-1:2014+A1:2018 Mechanical and physical properties	PASS
2 2009/48/EC CE marking	PASS
3 2009/48/EC Labeling Requirement (Importer/ Manufacturer Mark, Product Identification, Washing/ Cleaning instruction)	Refer to result page
4 EN 71-2:2011+A1:2014 Flammability	PASS
5 EN 71-2:2020 Flammability	PASS
6 EN 71-3:2019 Migration of 19 Elements	PASS
7 Commission Directive (EU) 2019/1922, amendment of Directive 2009/48/EC, Migration of aluminium	PASS
8 EN 71-3:2019+A1:2021 Migration of 19 Elements	PASS
9 REACH regulation (EC) No. 1907/2006 and its amendment regulations on Annex XVII entry 51 and entry 52 : Phthalates	PASS
CPSIA Section 108 as amended by 16 CFR 1307 : Phthalates	PASS
California Safe Drinking Water and Toxic Enforcement Act of 1986 (CA Prop 65): DEHP, BBP, DBP, DIDP, DnHP content	PASS
10 ASTM F963-17: Mechanical and physical	PASS
11 ASTM F963-17: Flammability on solids and soft toys	PASS
12 ASTM F963-17 Sect. 4.3.5.1, CPSIA Sect. 101, and Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): Total lead content in paint and coating materials	PASS
13 ASTM F963-17 Sect. 4.3.5.2, CPSIA Sect. 101, and Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): Total lead content in substrate materials	PASS
14 ASTM F963-17 Sect. 4.3.5.1 and 4.3.5.2 : Soluble heavy metal	PASS
15 CPSIA Sect 103: Tracking label	Refer to result page
16 Total Lead Content - State of Illinois Public Act 097-0612 (SB 1943)	PASS

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Identification/Model No(s):

1. Description	1:24 SCALE DIE CAST PORSCHE TAYCAN TURBO S
	24107, 24107W, 24107GW, 24107-4D, 24107-12WD, 24107-24WD, 24107KB, 24107-2G, 24107A-2G, 24107MK, 24097H-W, 29370W, 29370GW, 29370-2G, 29370A-2G, 29370KB, 29370-12WD, 29370-24WD, 29370-4D
2. Description	4.75" SCALE DIE CAST AUDI SPORT QUATTRO
	43802, 43802W, 43802CW, 43802D, 43802G, 43802-24CWD, 43802KB, 43802KB-16D, 43802F, 43802F-W, 43802F-CW, 43802F-24CWD, 43802F-72CWD, 43802FSW(L), 43802F-12SWD(L), 43802F-KB, 43802F-KB-16D, 43802F-2TB, 43802F-2TB(A), 43802F-2TB(B), A43802F- 2G, 43802F-2G, 43802F-3G, 49720W, 49720CW, 49720D, 49720G, 49720-24CWD, 49720KB, 49720KB-16D, 49720MK, 49720FCW, 49720F-24CWD, 49720-24CWD-GT, 49720F-72CWD, 49720F-KB, 49720F-KB-16D, 42310F-SW(L), 42310F-12SWD(L), 49720F-2TB, 49720F-2TB(A), 49720F-2TB(B), A49720F-2G, 42310F-2G, 42310F-3G, 49720FMK, 49720SPD, 49720SPD-07
3 Description	4.75" SCALE DIE CAST AUDI E-TRON G
	43809, 43809W, 43809CW, 43809D, 43809G, 43809-24CWD, 43809KB, 43809KB-16D, 43809F, 43809F-W, 43809F-CW, 43809F-24CWD, 43809F-72CWD, 43809FSW(L), 43809F-12SWD(L), 43809F-KB, 43809F-KB-16D, 43809F-2TB, 43809F-2TB(A), 43809F-2TB(B), A43809F- 2G, 43809F-2G, 43809F-3G, 49720W, 49720CW, 49720D, 49720G, 49720-24CWD, 49720KB, 49720KB-16D, 49720MK, 49720FCW, 49720F-24CWD, 49720-24CWD-GT, 49720F-72CWD, 49720F-KB, 49720F-KB-16D, 42310F-SW(L), 42310F-12SWD(L), 49720F-2TB, 49720F-2TB(A), 49720F-2TB(B), A49720F-2G, 42310F-2G, 42310F-3G, 49720FMK, 49720SPD, 49720SPD-07

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Material List:

Item: Die Casting Model

Item no.: Please refer to page 3

Material No.	Material	Color	Location
M001	Whole Product	Multicolor	[#All styles of items]-Whole Product
M002	Coating	Blue with multicolor	[#24107]-Body
M003	Coating	Red with multicolor	[#43802]-Body
M004	Coating	Dark red with multicolor	[#43809]-Body
M005	Coating	Black	[#All styles of items]-Window
M006	Coating	Blue	[#24107]-Side mirror
M007	Coating	Bright black/ Silvery	[#24107]-Wheels, Rear light
M008	Coating	Red	[#24107]-Rear signal light
M009	Coating	Shinny silvery	[#43802]-Logo on grille
M010	Coating	White	[#43802]-Wheels
M011	Coating	Transparent red	[#43802]-Rear light;[#43809]-Rear light
M012	Coating	Dark red	[#43809]-Grille
M013	Coating	Pale yellow/ Black	[#24107]-Wheels
M014	Coating	Dark grey	[#24107]-Wheels
M015	Plastic	Transparent	[#24107]-Window, Front and Rear light; [#43802]-Window, Front and Rear light; [#43809]-Window,Roof, Front and Rear light
M016	Plastic	White	[#24107]-Side mirror
M017	Plastic	Black	[#24107]-Chassis, Wheels;[#43802]- Chassis, Wheels, Parts inside car; [#43809]-Chassis, Wheels, Parts inside car
M018	Plastic	Black	[#All styles of items]-Tires
M019	Plastic	Translucent white	[#43802]-Gear inside car;[#43809]-Gear inside car
M020	Plastic + printing + adhesive	Transparent + Silvery	[#24107]-Side mirror sticker

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M021	Metal	Silvery	[#All styles of items]-Body
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1. EN 71-1:2014+A1:2018 Mechanical and physical properties

Test No:	T001
Material No:	M001
4. General requirements	
4.1 Material cleanliness	PASS
4.7 Edges	PASS
4.8 Points and metallic wires	PASS
4.10 Parts moving against each other	PASS
4.10.2 Driving Mechanisms	PASS
7. Warnings, markings and instructions for use	
7.1 General	PASS
7.2 Toys not intended for children under 36 months	PASS

The clause and/or sub-clause would be indicated only in the test report whichever applicable. The comprehensive result report is available upon request.

Remark:

- ** Only the German and English version of the marking and instructions were assessed. According to the standard, instruction and other texts required by the standard should be written in the official language(s) of the country in which the product is to be sold.

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2. 2009/48/EC CE Marking**Test result:**

Test No:	T001
Material No:	M001
CE-marking	PASS

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3. 2009/48/EC Labeling Requirement (Importer/ Manufacturer Mark, Product Identification, Washing/ Cleaning instruction)**Test result:**

Test No:	T001
Material No:	M001
Importer/ Manufacturer Mark (European Company name and address)+	Absent
Product Identification - type, batch, serial or model number+	Present (Product and Packaging)
Washing/ Cleaning instruction ^	Not Applicable

Remark:

- + These labeling shall be indicated on the toy, or where that is not possible, on its packaging or in documents accompanying the toys.

The correct adherence to all requirements according to directive 2009/48/EC in regards to the marking (name or trademark and contact address of the manufacturer respectively the marking for identification [type, batch, model or serial no.]) of the toy can only be confirmed by the manufacturer, his delegate or the person who brings it onto the market. The marked article were assessed, however, they can not be evaluated in the frame of this test.

- ^ 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 shall, to this end, be washable, except if it contains a mechanism that may be damaged if soak washed. The toy shall fulfill the safety requirements also after having been cleaned in accordance with this point and the manufacturer's instructions.

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4. EN 71-2:2011+A1:2014 Flammability**Test result:**

	Test No:	T001
	Material No:	M001
4.1 General		PASS

The clause and/or sub-clause would be indicated only in the test report whichever applicable. The comprehensive result report is available upon request.

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5. EN 71-2:2020 Flammability**Test result:**

Test No:	T001
Material No.	M001
4.1 General requirements	PASS

The clause and/or sub-clause would be indicated only in the test report whichever applicable. The comprehensive result report is available upon request.

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6. EN 71-3:2019 Migration of 19 Elements - with reference to 2009/48/EC and its amendments

Test Method: with reference to EN 71-3:2019, analyzed by ICP-OES or / ICP-MS / LC-ICP-MS.

3) For scraped-off toy materials:
Test Result:

Test No.				T001	T002	T003
Material No.				M002	M003	M004
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result
Aluminium (Al)Σ	mg/kg	10	70,000	2590	3960	3630
Antimony (Sb)	mg/kg	5	560	< RL	< RL	< RL
Arsenic (As)	mg/kg	5	47	< RL	< RL	< RL
Barium (Ba)	mg/kg	2.5	18,750	< RL	< RL	< RL
Boron (B)	mg/kg	10	15,000	< RL	< RL	< RL
Cadmium (Cd)	mg/kg	1	17	< RL	< RL	< RL
Chromium III (Cr(III))	mg/kg	10	460	< RL	< RL	< RL
Chromium VI (Cr(VI))	mg/kg	0.045	0.053	< RL	< RL	< RL
Cobalt (Co)	mg/kg	2.5	130	< RL	< RL	< RL
Copper (Cu)	mg/kg	2.5	7,700	< RL	< RL	< RL
Lead (Pb)	mg/kg	2.5	23	< RL	< RL	< RL
Manganese (Mn)	mg/kg	2.5	15,000	< RL	< RL	< RL
Mercury (Hg)	mg/kg	2.5	94	< RL	< RL	< RL
Nickel (Ni)	mg/kg	2.5	930	< RL	< RL	< RL
Selenium (Se)	mg/kg	10	460	< RL	< RL	< RL
Strontium (Sr)	mg/kg	2.5	56,000	< RL	< RL	< RL
Tin (Sn)	mg/kg	1.0	180,000	< RL	< RL	< RL
Organic Tin^	mg/kg	0.2	12	-	-	-
Zinc (Zn)	mg/kg	10	46,000	15100	17000	16800

Abbreviation: < less than
 RL = Reporting Limit
 mg/kg denotes milligram per kilogram
 ^ denotes Organic tin are not necessary to be determined when the Tin concentration is less than calculated limit (3.6 mg/kg) or the components were confirmed to be pure metal

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Test Result:

Test No.				T004(*1) (21mg)	T005(*1) (10mg)	T006(*1) (39mg)
Material No.				M005	M006	M007
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result
Aluminium (Al)Σ	mg/kg	10	70,000	30	26	334
Antimony (Sb)	mg/kg	5	560	< RL	< RL	< RL
Arsenic (As)	mg/kg	5	47	< RL	< RL	< RL
Barium (Ba)	mg/kg	2.5	18,750	< RL	< RL	< RL
Boron (B)	mg/kg	10	15,000	< RL	< RL	< RL
Cadmium (Cd)	mg/kg	1	17	< RL	< RL	< RL
Chromium III (Cr(III))	mg/kg	10	460	< RL	< RL	< RL
Chromium VI (Cr(VI))	mg/kg	0.045	0.053	< RL	< RL	< RL
Cobalt (Co)	mg/kg	2.5	130	< RL	< RL	9.5
Copper (Cu)	mg/kg	2.5	7,700	< RL	< RL	< RL
Lead (Pb)	mg/kg	2.5	23	< RL	< RL	< RL
Manganese (Mn)	mg/kg	2.5	15,000	< RL	< RL	< RL
Mercury (Hg)	mg/kg	2.5	94	< RL	< RL	< RL
Nickel (Ni)	mg/kg	2.5	930	< RL	< RL	< RL
Selenium (Se)	mg/kg	10	460	< RL	< RL	< RL
Strontium (Sr)	mg/kg	2.5	56,000	< RL	< RL	< RL
Tin (Sn)	mg/kg	1.0	180,000	< RL	< RL	< RL
Organic Tin^	mg/kg	0.2	12	-	-	-
Zinc (Zn)	mg/kg	10	46,000	225	66	113

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Test Result:

Test No.				T007 (*2)	T008 (*2)	T009(*1) (28mg)
Material No.				M008	M009	M010
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result
Aluminium (Al)Σ	mg/kg	10	70,000	-	-	< RL
Antimony (Sb)	mg/kg	5	560	-	-	< RL
Arsenic (As)	mg/kg	5	47	-	-	< RL
Barium (Ba)	mg/kg	2.5	18,750	-	-	< RL
Boron (B)	mg/kg	10	15,000	-	-	< RL
Cadmium (Cd)	mg/kg	1	17	-	-	< RL
Chromium III (Cr(III))	mg/kg	10	460	-	-	< RL
Chromium VI (Cr(VI))	mg/kg	0.045	0.053	-	-	< RL
Cobalt (Co)	mg/kg	2.5	130	-	-	< RL
Copper (Cu)	mg/kg	2.5	7,700	-	-	< RL
Lead (Pb)	mg/kg	2.5	23	-	-	< RL
Manganese (Mn)	mg/kg	2.5	15,000	-	-	< RL
Mercury (Hg)	mg/kg	2.5	94	-	-	< RL
Nickel (Ni)	mg/kg	2.5	930	-	-	< RL
Selenium (Se)	mg/kg	10	460	-	-	< RL
Strontium (Sr)	mg/kg	2.5	56,000	-	-	< RL
Tin (Sn)	mg/kg	1.0	180,000	-	-	< RL
Organic Tin^	mg/kg	0.2	12	-	-	-
Zinc (Zn)	mg/kg	10	46,000	-	-	87

Abbreviation: < less than
 RL = Reporting Limit
 mg/kg denotes milligram per kilogram
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Test Result:

Test No.				T010 (*2)	T011 (*2)	T012
Material No.				M011	M012	M015
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result
Aluminium (Al)Σ	mg/kg	10	70,000	-	-	< RL
Antimony (Sb)	mg/kg	5	560	-	-	< RL
Arsenic (As)	mg/kg	5	47	-	-	< RL
Barium (Ba)	mg/kg	2.5	18,750	-	-	< RL
Boron (B)	mg/kg	10	15,000	-	-	< RL
Cadmium (Cd)	mg/kg	1	17	-	-	< RL
Chromium III (Cr(III))	mg/kg	10	460	-	-	< RL
Chromium VI (Cr(VI))	mg/kg	0.045	0.053	-	-	< RL
Cobalt (Co)	mg/kg	2.5	130	-	-	< RL
Copper (Cu)	mg/kg	2.5	7,700	-	-	< RL
Lead (Pb)	mg/kg	2.5	23	-	-	< RL
Manganese (Mn)	mg/kg	2.5	15,000	-	-	< RL
Mercury (Hg)	mg/kg	2.5	94	-	-	< RL
Nickel (Ni)	mg/kg	2.5	930	-	-	< RL
Selenium (Se)	mg/kg	10	460	-	-	< RL
Strontium (Sr)	mg/kg	2.5	56,000	-	-	< RL
Tin (Sn)	mg/kg	1.0	180,000	-	-	< RL
Organic Tin^	mg/kg	0.2	12	-	-	-
Zinc (Zn)	mg/kg	10	46,000	-	-	< RL

Abbreviation: < less than
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Test Result:

Test No.				T013	T014	T015
Material No.				M016	M017	M018
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result
Aluminium (Al)Σ	mg/kg	10	70,000	< RL	< RL	< RL
Antimony (Sb)	mg/kg	5	560	< RL	< RL	< RL
Arsenic (As)	mg/kg	5	47	< RL	< RL	< RL
Barium (Ba)	mg/kg	2.5	18,750	< RL	< RL	< RL
Boron (B)	mg/kg	10	15,000	< RL	< RL	< RL
Cadmium (Cd)	mg/kg	1	17	< RL	< RL	< RL
Chromium III (Cr(III))	mg/kg	10	460	< RL	< RL	< RL
Chromium VI (Cr(VI))	mg/kg	0.045	0.053	< RL	< RL	< RL
Cobalt (Co)	mg/kg	2.5	130	< RL	< RL	< RL
Copper (Cu)	mg/kg	2.5	7,700	< RL	< RL	< RL
Lead (Pb)	mg/kg	2.5	23	< RL	< RL	< RL
Manganese (Mn)	mg/kg	2.5	15,000	< RL	< RL	< RL
Mercury (Hg)	mg/kg	2.5	94	< RL	< RL	< RL
Nickel (Ni)	mg/kg	2.5	930	< RL	< RL	< RL
Selenium (Se)	mg/kg	10	460	< RL	< RL	< RL
Strontium (Sr)	mg/kg	2.5	56,000	< RL	< RL	< RL
Tin (Sn)	mg/kg	1.0	180,000	< RL	< RL	< RL
Organic Tin^	mg/kg	0.2	12	-	-	-
Zinc (Zn)	mg/kg	10	46,000	< RL	< RL	< RL

Abbreviation: < less than
 RL = Reporting Limit
 mg/kg denotes milligram per kilogram
 ^ denotes Organic tin are not necessary to be determined when the Tin concentration is less than calculated limit (3.6 mg/kg) or the components were confirmed to be pure metal

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Test Result:

Test No.				T016(*1) (12mg)
Material No.				M020
Test Parameter	Unit	RL	Regulatory Requirement	Result
Aluminium (Al)Σ	mg/kg	10	70,000	< RL
Antimony (Sb)	mg/kg	5	560	< RL
Arsenic (As)	mg/kg	5	47	< RL
Barium (Ba)	mg/kg	2.5	18,750	< RL
Boron (B)	mg/kg	10	15,000	< RL
Cadmium (Cd)	mg/kg	1	17	< RL
Chromium III (Cr(III))	mg/kg	10	460	< RL
Chromium VI (Cr(VI))	mg/kg	0.045	0.053	< RL
Cobalt (Co)	mg/kg	2.5	130	< RL
Copper (Cu)	mg/kg	2.5	7,700	< RL
Lead (Pb)	mg/kg	2.5	23	< RL
Manganese (Mn)	mg/kg	2.5	15,000	< RL
Mercury (Hg)	mg/kg	2.5	94	< RL
Nickel (Ni)	mg/kg	2.5	930	< RL
Selenium (Se)	mg/kg	10	460	< RL
Strontium (Sr)	mg/kg	2.5	56,000	< RL
Tin (Sn)	mg/kg	1.0	180,000	< RL
Organic Tin^	mg/kg	0.2	12	-
Zinc (Zn)	mg/kg	10	46,000	< RL

Abbreviation: < less than
 RL = Reporting Limit
 mg/kg denotes milligram per kilogram
 ^ denotes Organic tin are not necessary to be determined when the Tin concentration is less than calculated limit (3.6 mg/kg) or the components were confirmed to be pure metal

Remark:

- * Categorization of toys materials is based on the material texture. According to point H.11 of Annex H to EN 71-3:2019, cosmetic materials with dry, brittle, powder like or pliable texture such as lipstick and eyeshadow are considered as category I materials. However, as a reminder, it cannot preclude the possibility that some national enforcement authorities might take a more stringent action to treat cosmetic materials as sticky and evaluate according to category II requirement as they are intended to be applied on skin and retained for long time.
- Σ According to Commission Directive (EU) 2019/1922, the amendment of Directive 2009/48/EC, migration limits for aluminum in i) dry, brittle, powder-like or pliable toy materials; ii) liquid or sticky toy materials; and iii) scraped-off toy materials will be revised to 2250 mg/kg, 560 mg/kg and 28130 mg/kg, respectively. Effective from 20 May 2021.
- *1 According to EN 71-3:2019, the weight of test portion was less than 100mg, but greater than 10mg. The result was calculated as if 100mg of the samples were available.
- *2 According to EN 71-3:2019, the weight of test portion available was less than 10mg, the test for soluble heavy metal content was not performed.

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7. Commission Directive (EU) 2019/1922, amendment of Directive 2009/48/EC, Migration of Aluminium

Test Method: with reference to EN 71-3:2019, analyzed by ICP-OES / ICP-MS.

3) For scraped-off toy materials:
Test Result:

Test No.				T001	T002	T003
Material No.				M002	M003	M004
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result
Aluminium (Al)	mg/kg	10	28130	2590	3960	3630

Test No.				T004(*1) (21mg)	T005(*1) (10mg)	T006(*1) (39mg)
Material No.				M005	M006	M007
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result
Aluminium (Al)	mg/kg	10	28130	30	26	334

Test No.				T007 (*2)	T008 (*2)	T009(*1) (28mg)
Material No.				M008	M009	M010
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result
Aluminium (Al)	mg/kg	10	28130	-	-	< RL

Test No.				T010 (*2)	T011 (*2)	T012
Material No.				M011	M012	M015
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result
Aluminium (Al)	mg/kg	10	28130	-	-	< RL

Test No.				T013	T014	T015
Material No.				M016	M017	M018
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result
Aluminium (Al)	mg/kg	10	28130	< RL	< RL	< RL

Test No.				T016(*1) (12mg)
Material No.				M020
Test Parameter	Unit	RL	Regulatory Requirement	Result
Aluminium (Al)	mg/kg	10	28130	< RL

Abbreviation: < less than
 RL = Reporting Limit
 mg/kg denotes milligram per kilogram

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Remark:

- * The requirement is quoted from Commission Directive (EU) 2019/1922, the amendment of Directive 2009/48/EC, and effective from 20 May 2021.
- *1 According to EN 71-3:2019, the weight of test portion was less than 100mg, but greater than 10mg. The result was calculated as if 100mg of the samples were available.
- *2 According to EN 71-3:2019, the weight of test portion available was less than 10mg, the test for soluble heavy metal content was not performed.

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8. EN 71-3:2019+A1:2021 Migration of 19 Elements

Test Method: with reference to EN 71-3:2019+A1:2021, analyzed by ICP-OES / ICP-MS / LC-ICP-MS.

3) For scraped-off toy materials:
Test Result:

Test No.				T001	T002	T003
Material No.				M002	M003	M004
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result
Aluminium (Al)	mg/kg	10	28,130	2590	3960	3630
Antimony (Sb)	mg/kg	5	560	< RL	< RL	< RL
Arsenic (As)	mg/kg	5	47	< RL	< RL	< RL
Barium (Ba)	mg/kg	2.5	18,750	< RL	< RL	< RL
Boron (B)	mg/kg	10	15,000	< RL	< RL	< RL
Cadmium (Cd)	mg/kg	1	17	< RL	< RL	< RL
Chromium III (Cr(III))	mg/kg	10	460	< RL	< RL	< RL
Chromium VI (Cr(VI))	mg/kg	0.045	0.053	< RL	< RL	< RL
Cobalt (Co)	mg/kg	2.5	130	< RL	< RL	< RL
Copper (Cu)	mg/kg	2.5	7,700	< RL	< RL	< RL
Lead (Pb)	mg/kg	2.5	23	< RL	< RL	< RL
Manganese (Mn)	mg/kg	2.5	15,000	< RL	< RL	< RL
Mercury (Hg)	mg/kg	2.5	94	< RL	< RL	< RL
Nickel (Ni)	mg/kg	2.5	930	< RL	< RL	< RL
Selenium (Se)	mg/kg	10	460	< RL	< RL	< RL
Strontium (Sr)	mg/kg	2.5	56,000	< RL	< RL	< RL
Tin (Sn)	mg/kg	1.0	180,000	< RL	< RL	< RL
Organic Tin^	mg/kg	0.2	12	-	-	-
Zinc (Zn)	mg/kg	10	46,000	15100	17000	16800

Abbreviation: < less than
 RL = Reporting Limit
 mg/kg denotes milligram per kilogram
 ^ denotes Organic tin are not necessary to be determined when the Tin concentration is less than calculated limit (3.6 mg/kg) or the components were confirmed to be pure metal

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Test Result:

Test No.				T004(*1) (21mg)	T005(*1) (10mg)	T006(*1) (39mg)
Material No.				M005	M006	M007
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result
Aluminium (Al)	mg/kg	10	28,130	30	26	334
Antimony (Sb)	mg/kg	5	560	< RL	< RL	< RL
Arsenic (As)	mg/kg	5	47	< RL	< RL	< RL
Barium (Ba)	mg/kg	2.5	18,750	< RL	< RL	< RL
Boron (B)	mg/kg	10	15,000	< RL	< RL	< RL
Cadmium (Cd)	mg/kg	1	17	< RL	< RL	< RL
Chromium III (Cr(III))	mg/kg	10	460	< RL	< RL	< RL
Chromium VI (Cr(VI))	mg/kg	0.045	0.053	< RL	< RL	< RL
Cobalt (Co)	mg/kg	2.5	130	< RL	< RL	9.5
Copper (Cu)	mg/kg	2.5	7,700	< RL	< RL	< RL
Lead (Pb)	mg/kg	2.5	23	< RL	< RL	< RL
Manganese (Mn)	mg/kg	2.5	15,000	< RL	< RL	< RL
Mercury (Hg)	mg/kg	2.5	94	< RL	< RL	< RL
Nickel (Ni)	mg/kg	2.5	930	< RL	< RL	< RL
Selenium (Se)	mg/kg	10	460	< RL	< RL	< RL
Strontium (Sr)	mg/kg	2.5	56,000	< RL	< RL	< RL
Tin (Sn)	mg/kg	1.0	180,000	< RL	< RL	< RL
Organic Tin^	mg/kg	0.2	12	-	-	-
Zinc (Zn)	mg/kg	10	46,000	225	66	113

Abbreviation:

< less than

RL = Reporting Limit

mg/kg denotes milligram per kilogram

^ denotes Organic tin are not necessary to be determined when the Tin concentration is less than calculated limit (3.6 mg/kg) or the components were confirmed to be pure metal

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Test Result:

Test No.				T007 (*2)	T008 (*2)	T009(*1) (28mg)
Material No.				M008	M009	M010
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result
Aluminium (Al)	mg/kg	10	28,130	-	-	< RL
Antimony (Sb)	mg/kg	5	560	-	-	< RL
Arsenic (As)	mg/kg	5	47	-	-	< RL
Barium (Ba)	mg/kg	2.5	18,750	-	-	< RL
Boron (B)	mg/kg	10	15,000	-	-	< RL
Cadmium (Cd)	mg/kg	1	17	-	-	< RL
Chromium III (Cr(III))	mg/kg	10	460	-	-	< RL
Chromium VI (Cr(VI))	mg/kg	0.045	0.053	-	-	< RL
Cobalt (Co)	mg/kg	2.5	130	-	-	< RL
Copper (Cu)	mg/kg	2.5	7,700	-	-	< RL
Lead (Pb)	mg/kg	2.5	23	-	-	< RL
Manganese (Mn)	mg/kg	2.5	15,000	-	-	< RL
Mercury (Hg)	mg/kg	2.5	94	-	-	< RL
Nickel (Ni)	mg/kg	2.5	930	-	-	< RL
Selenium (Se)	mg/kg	10	460	-	-	< RL
Strontium (Sr)	mg/kg	2.5	56,000	-	-	< RL
Tin (Sn)	mg/kg	1.0	180,000	-	-	< RL
Organic Tin^	mg/kg	0.2	12	-	-	-
Zinc (Zn)	mg/kg	10	46,000	-	-	87

Abbreviation:

< less than

RL = Reporting Limit

mg/kg denotes milligram per kilogram

^ denotes Organic tin are not necessary to be determined when the Tin concentration is less than calculated limit (3.6 mg/kg) or the components were confirmed to be pure metal

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Test Result:

Test No.				T010 (*2)	T011 (*2)	T012
Material No.				M011	M012	M015
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result
Aluminium (Al)	mg/kg	10	28,130	-	-	< RL
Antimony (Sb)	mg/kg	5	560	-	-	< RL
Arsenic (As)	mg/kg	5	47	-	-	< RL
Barium (Ba)	mg/kg	2.5	18,750	-	-	< RL
Boron (B)	mg/kg	10	15,000	-	-	< RL
Cadmium (Cd)	mg/kg	1	17	-	-	< RL
Chromium III (Cr(III))	mg/kg	10	460	-	-	< RL
Chromium VI (Cr(VI))	mg/kg	0.045	0.053	-	-	< RL
Cobalt (Co)	mg/kg	2.5	130	-	-	< RL
Copper (Cu)	mg/kg	2.5	7,700	-	-	< RL
Lead (Pb)	mg/kg	2.5	23	-	-	< RL
Manganese (Mn)	mg/kg	2.5	15,000	-	-	< RL
Mercury (Hg)	mg/kg	2.5	94	-	-	< RL
Nickel (Ni)	mg/kg	2.5	930	-	-	< RL
Selenium (Se)	mg/kg	10	460	-	-	< RL
Strontium (Sr)	mg/kg	2.5	56,000	-	-	< RL
Tin (Sn)	mg/kg	1.0	180,000	-	-	< RL
Organic Tin^	mg/kg	0.2	12	-	-	-
Zinc (Zn)	mg/kg	10	46,000	-	-	< RL

Abbreviation: < less than
 RL = Reporting Limit
 mg/kg denotes milligram per kilogram
 ^ denotes Organic tin are not necessary to be determined when the Tin concentration is less than calculated limit (3.6 mg/kg) or the components were confirmed to be pure metal

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Test Result:

Test No.				T013	T014	T015
Material No.				M016	M017	M018
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result
Aluminium (Al)	mg/kg	10	28,130	< RL	< RL	< RL
Antimony (Sb)	mg/kg	5	560	< RL	< RL	< RL
Arsenic (As)	mg/kg	5	47	< RL	< RL	< RL
Barium (Ba)	mg/kg	2.5	18,750	< RL	< RL	< RL
Boron (B)	mg/kg	10	15,000	< RL	< RL	< RL
Cadmium (Cd)	mg/kg	1	17	< RL	< RL	< RL
Chromium III (Cr(III))	mg/kg	10	460	< RL	< RL	< RL
Chromium VI (Cr(VI))	mg/kg	0.045	0.053	< RL	< RL	< RL
Cobalt (Co)	mg/kg	2.5	130	< RL	< RL	< RL
Copper (Cu)	mg/kg	2.5	7,700	< RL	< RL	< RL
Lead (Pb)	mg/kg	2.5	23	< RL	< RL	< RL
Manganese (Mn)	mg/kg	2.5	15,000	< RL	< RL	< RL
Mercury (Hg)	mg/kg	2.5	94	< RL	< RL	< RL
Nickel (Ni)	mg/kg	2.5	930	< RL	< RL	< RL
Selenium (Se)	mg/kg	10	460	< RL	< RL	< RL
Strontium (Sr)	mg/kg	2.5	56,000	< RL	< RL	< RL
Tin (Sn)	mg/kg	1.0	180,000	< RL	< RL	< RL
Organic Tin^	mg/kg	0.2	12	-	-	-
Zinc (Zn)	mg/kg	10	46,000	< RL	< RL	< RL

Abbreviation: < less than
 RL = Reporting Limit
 mg/kg denotes milligram per kilogram
 ^ denotes Organic tin are not necessary to be determined when the Tin concentration is less than calculated limit (3.6 mg/kg) or the components were confirmed to be pure metal

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Test Result:

Test No.				T016(*1) (12mg)
Material No.				M020
Test Parameter	Unit	RL	Regulatory Requirement	Result
Aluminium (Al)	mg/kg	10	28,130	< RL
Antimony (Sb)	mg/kg	5	560	< RL
Arsenic (As)	mg/kg	5	47	< RL
Barium (Ba)	mg/kg	2.5	18,750	< RL
Boron (B)	mg/kg	10	15,000	< RL
Cadmium (Cd)	mg/kg	1	17	< RL
Chromium III (Cr(III))	mg/kg	10	460	< RL
Chromium VI (Cr(VI))	mg/kg	0.045	0.053	< RL
Cobalt (Co)	mg/kg	2.5	130	< RL
Copper (Cu)	mg/kg	2.5	7,700	< RL
Lead (Pb)	mg/kg	2.5	23	< RL
Manganese (Mn)	mg/kg	2.5	15,000	< RL
Mercury (Hg)	mg/kg	2.5	94	< RL
Nickel (Ni)	mg/kg	2.5	930	< RL
Selenium (Se)	mg/kg	10	460	< RL
Strontium (Sr)	mg/kg	2.5	56,000	< RL
Tin (Sn)	mg/kg	1.0	180,000	< RL
Organic Tin^	mg/kg	0.2	12	-
Zinc (Zn)	mg/kg	10	46,000	< RL

Abbreviation: < less than
 RL = Reporting Limit
 mg/kg denotes milligram per kilogram
 ^ denotes Organic tin are not necessary to be determined when the Tin concentration is less than calculated limit (3.6 mg/kg) or the components were confirmed to be pure metal

Remark:

- * Categorization of toys materials is based on the material texture. According to point H.11 of Annex H to EN 71-3:2019+A1:2021, cosmetic materials with dry, brittle, powder like or pliable texture such as lipstick and eyeshadow are considered as category I materials. However, as a reminder, it cannot preclude the possibility that some national enforcement authorities might take a more stringent action to treat cosmetic materials as sticky and evaluate according to category II requirement as they are intended to be applied on skin and retained for long time.
- *1 According to EN 71-3:2019+A1:2021, the weight of test portion was less than 100mg, but greater than 10mg. The result was calculated as if 100mg of the samples were available.
- *2 According to EN 71-3:2019+A1:2021, the weight of test portion available was less than 10mg, the test for soluble heavy metal content was not performed.

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9. Phthalates content

Test Method: Ref. to CPSC-CH-C1001-09.4

Test Result:

Test No.				T001	T002	T003
Material No.				M002	M003	M004
Test Parameter	CAS NO	Unit	RL	Result	Result	Result
Diethylhexyl phthalate (DEHP)	117-81-7	%	0.005	< RL	< RL	< RL
Dibutyl phthalate (DBP)	84-74-2	%	0.005	< RL	< RL	< RL
Benzylbutyl phthalate (BBP)	85-68-7	%	0.005	< RL	< RL	< RL
Diisobutyl phthalate (DIBP)	84-69-5	%	0.005	< RL	< RL	< RL
Sum (DEHP+DBP+BBP+DIBP)	-	%	0.005	<RL	<RL	<RL
Diisononyl phthalate (DINP)	28553-12-0, 68515-48-0	%	0.005	< RL	< RL	< RL
Diisodecyl phthalate (DIDP)	26761-40-0, 68515-49-1	%	0.005	< RL	< RL	< RL
Di-n-octyl phthalate (DNOP)	117-84-0	%	0.005	< RL	< RL	< RL
Sum (DINP+ DIDP+ DNOP)	--	%	0.005	<RL	<RL	<RL
Di-n-pentyl phthalate (DnPP)	131-18-0	%	0.005	< RL	< RL	< RL
Di-n-hexyl phthalate (DnHP)	84-75-3	%	0.005	< RL	< RL	< RL
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.005	< RL	< RL	< RL
Conclusion: REACH regulation (EC) No. 1907/2006 and its amendment regulations on Annex XVII entries 51 and 52				Pass	Pass	Pass
Conclusion: CPSIA Section 108 as amended by 16 CFR 1307				Pass	Pass	Pass
Conclusion: CA Prop 65 DEHP, BBP, DBP, DIDP and DnHP content				Pass	Pass	Pass

Test No.				T004	T005	T006
Material No.				M005 + M006	M007 + M008	M009 + M010
Test Parameter	CAS NO	Unit	RL	Result	Result	Result
Diethylhexyl phthalate (DEHP)	117-81-7	%	0.005	< RL	< RL	< RL
Dibutyl phthalate (DBP)	84-74-2	%	0.005	< RL	< RL	< RL
Benzylbutyl phthalate (BBP)	85-68-7	%	0.005	< RL	< RL	< RL
Diisobutyl phthalate (DIBP)	84-69-5	%	0.005	< RL	< RL	< RL
Sum (DEHP+DBP+BBP+DIBP)	-	%	0.005	<RL	<RL	<RL
Diisononyl phthalate (DINP)	28553-12-0, 68515-48-0	%	0.005	< RL	< RL	< RL
Diisodecyl phthalate (DIDP)	26761-40-0, 68515-49-1	%	0.005	< RL	< RL	< RL
Di-n-octyl phthalate (DNOP)	117-84-0	%	0.005	< RL	< RL	< RL
Sum (DINP+ DIDP+ DNOP)	--	%	0.005	<RL	<RL	<RL
Di-n-pentyl phthalate (DnPP)	131-18-0	%	0.005	< RL	< RL	< RL
Di-n-hexyl phthalate (DnHP)	84-75-3	%	0.005	< RL	< RL	< RL
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.005	< RL	< RL	< RL
Conclusion: REACH regulation (EC) No. 1907/2006 and its amendment regulations on Annex XVII entries 51 and 52				Pass	Pass	Pass
Conclusion: CPSIA Section 108 as amended by 16 CFR 1307				Pass	Pass	Pass
Conclusion: CA Prop 65 DEHP, BBP, DBP, DIDP and DnHP content				Pass	Pass	Pass

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Test No. Material No.				T007 M011 + M012	T008 M013 + M014	T009 M015 + M016 + M017
Test Parameter	CAS NO	Unit	RL	Result	Result	Result
Diethylhexyl phthalate (DEHP)	117-81-7	%	0.005	< RL	< RL	< RL
Dibutyl phthalate (DBP)	84-74-2	%	0.005	< RL	< RL	< RL
Benzylbutyl phthalate (BBP)	85-68-7	%	0.005	< RL	< RL	< RL
Diisobutyl phthalate (DIBP)	84-69-5	%	0.005	< RL	< RL	< RL
Sum (DEHP+DBP+BBP+DIBP)	-	%	0.005	<RL	<RL	<RL
Diisononyl phthalate (DINP)	28553-12-0, 68515-48-0	%	0.005	< RL	< RL	< RL
Diisodecyl phthalate (DIDP)	26761-40-0, 68515-49-1	%	0.005	< RL	< RL	< RL
Di-n-octyl phthalate (DNOP)	117-84-0	%	0.005	< RL	< RL	< RL
Sum (DINP+ DIDP+ DNOP)	--	%	0.005	<RL	<RL	<RL
Di-n-pentyl phthalate (DnPP)	131-18-0	%	0.005	< RL	< RL	< RL
Di-n-hexyl phthalate (DnHP)	84-75-3	%	0.005	< RL	< RL	< RL
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.005	< RL	< RL	< RL
Conclusion: REACH regulation (EC) No. 1907/2006 and its amendment regulations on Annex XVII entries 51 and 52				Pass	Pass	Pass
Conclusion: CPSIA Section 108 as amended by 16 CFR 1307				Pass	Pass	Pass
Conclusion: CA Prop 65 DEHP, BBP, DBP, DIDP and DnHP content				Pass	Pass	Pass

Test No. Material No.				T010 M018	T011 M019	T012 M020
Test Parameter	CAS NO	Unit	RL	Result	Result	Result
Diethylhexyl phthalate (DEHP)	117-81-7	%	0.005	< RL	< RL	< RL
Dibutyl phthalate (DBP)	84-74-2	%	0.005	< RL	< RL	< RL
Benzylbutyl phthalate (BBP)	85-68-7	%	0.005	< RL	< RL	< RL
Diisobutyl phthalate (DIBP)	84-69-5	%	0.005	< RL	< RL	< RL
Sum (DEHP+DBP+BBP+DIBP)	-	%	0.005	<RL	<RL	<RL
Diisononyl phthalate (DINP)	28553-12-0, 68515-48-0	%	0.005	< RL	< RL	< RL
Diisodecyl phthalate (DIDP)	26761-40-0, 68515-49-1	%	0.005	< RL	< RL	< RL
Di-n-octyl phthalate (DNOP)	117-84-0	%	0.005	< RL	< RL	< RL
Sum (DINP+ DIDP+ DNOP)	--	%	0.005	<RL	<RL	<RL
Di-n-pentyl phthalate (DnPP)	131-18-0	%	0.005	< RL	< RL	< RL
Di-n-hexyl phthalate (DnHP)	84-75-3	%	0.005	< RL	< RL	< RL
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.005	< RL	< RL	< RL
Conclusion: REACH regulation (EC) No. 1907/2006 and its amendment regulations on Annex XVII entries 51 and 52				Pass	Pass	Pass
Conclusion: CPSIA Section 108 as amended by 16 CFR 1307				Pass	Pass	Pass
Conclusion: CA Prop 65 DEHP, BBP, DBP, DIDP and DnHP content				Pass	Pass	Pass

Abbreviation: < = less than
 RL = Reporting Limit
 % = percentage

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Remark:

- Requirement of REACH regulation (EC) No. 1907/2006 and its amendment Annex XVII entries 51 and 52:

Parameter	Unit	Maximum Permissible Limit
Plasticised materials in toys and childcare articles, or other articles# place on the market;		
Diethylhexyl phthalate (DEHP) Dibutyl phthalate (DBP) Benzylbutyl phthalate (BBP) Diisobutyl phthalate (DIBP)	%	0.1 (individually or sum of the four phthalates) Effective after 7 July 2020.
Plasticised materials in children's toy and childcare articles which can be placed in the mouth by children:		
Di-n-octyl phthalate (DNOP) Diisodecyl phthalate (DIDP) Diisononyl phthalate (DINP)	%	0.1 (sum of the three phthalates)

Denote:

Examples of articles that are excluded from the restriction

- Articles exclusively for industrial / agricultural use / use in open air, provided that no plasticised material comes into contact with human mucous membranes or into prolonged contact with human skin (i.e. Continuous contact of more than 10 minutes duration or intermittent contact over a period of 30 minutes, per day.)
 - Aircraft and motor vehicles (Directive 2007/46/EC) placed on the market before 7 January 2024, or articles for use exclusively in the maintenance or repair of them
 - Measuring devices for laboratory use;
 - Food contact material and articles within the scope of Regulation (EC) No 1935/2004 or Commission Regulation (EU) No 10/2011
 - Medical devices (Directive 90/385/EEC, 93/42/EEC or 98/79/EC)
 - Electrical and electronic equipment within the scope of Directive 2011/65/EU
 - Immediate packaging of medicinal products (Regulation (EC) No 726/2004, Directive 2001/82/EC or Directive 2001/83/EC)
- Single component with an amount below reporting limit was not considered by the calculation of the sum. In the case of all phthalates were not detected, the result is stated <RL.
 - Requirement of Consumer Product Safety Improvement Act 2008, section 108, as amended by 16 CFR 1307 is summarized below:

Parameter	Unit	Maximum Permissible Limit
Accessible plasticized components in children's toy or childcare article:		
Dibutyl phthalate (DBP), Benzylbutyl phthalate (BBP), Diethylhexyl phthalate (DEHP), Diisononyl phthalate (DINP), Diisobutyl Phthalate (DIBP), Di-n-pentyl Phthalate (DPENP) (DnPP), Di-n-hexyl Phthalate (DHEXP) (DnHP), Dicyclohexyl Phthalate (DCHP)	%	0.1 (each)

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- Requirement of Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):DEHP, BBP, DBP, DIDP and DnHP content
1,000ppm (0.1%) each as quoted from County of Alameda Case No. BG-07350969

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10.ASTM F963-17: Mechanical and physical
Test result:

Test No:	T001
Material No:	M001
4. Safety requirements	
4.1 Material Quality (visual check)	PASS
4.7 Accessible edges	PASS
4.8 Projections	PASS
4.9 Accessible points	PASS
4.11 Nails and fasteners	PASS
4.17 Wheels, tires and axles	PASS
4.18 Holes, clearance and accessibility of mechanisms	PASS
5. Labeling requirements	
5.16 Promotional materials	PASS
6. Instructional literature	
6.1 Definition and description	PASS
7. Producer's markings	
7.1 Name and address of the producer or the distributor	PASS

Use and Abuse Tests:

The submitted samples were undergone the use and abuse tests in accordance with FHSA 16 CFR and whichever is applicable the tested age grade.

Age Category	Impact Test	Flexure Test	Torque Test	Tension Test	Compression Test
0-18 Months 16 CFR 1500.51	10 x 4.5 ft	120 Arc 30 Cycles 10 lbs	2 in-lbs	10 lbs	20 lbs
19-36 Months 16 CFR 1500.52	4 x 3 ft	120 Arc 30 Cycles 15 lbs	3 in-lbs	15 lbs	25 lbs
37-96 Months 16 CFR 1500.53	4 x 3 ft	120 Arc 30 Cycles 15 lbs	4 in-lbs	15 lbs	30 lbs

The clause and/or sub-clause would be indicated only in the test report whichever applicable. The comprehensive result report is available upon request.

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11.ASTM F963-17: Flammability on solids and soft toys**Test result:**

Test No:	T001
Material No:	M001
4.2 Flammability on solids and soft toys	PASS

The burning rate of the most severe part = IBE

Note: Maximum permissible burning rate = 0.1 Inch/sec.

Abbreviation: IBE = Ignite But Self-extinguish

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12.ASTM F963-17 Sect. 4.3.5.1, CPSIA Sect 101, and Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): Total lead content in paint and coating materials

Test method: CPSC-CH-E1003-09.1 (Microwave method)

Test result:

Test No.	Material No.	Test Parameter	Unit	RL	Regulatory Requirement	Test Result
T001	M002	Lead Content	ppm	10	90	20
T002	M003	Lead Content	ppm	10	90	15
T003	M004	Lead Content	ppm	10	90	27
T004	M005 + M006	Lead Content	ppm	10	90	13
T005	M007 + M008	Lead Content	ppm	10	90	< RL
T006	M009 + M010	Lead Content	ppm	10	90	< RL
T007	M011 + M012	Lead Content	ppm	10	90	< RL

Abbreviation: < = less than
 RL = Reporting Limit
 ppm = parts per million

Remark:

- *1 CA Prop. 65 -Total lead content
- Paint or surface coating in products shall not contain more than 0.009% (90 ppm) total lead content
 - Other components in product shall not contain more than 0.01% (100 ppm) total lead content

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13.ASTM F963-17 Sect. 4.3.5.2, CPSIA Sect. 101, and Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) : Total lead content in substrate materials

Test method: CPSC-CH-E1001-08.3 and CPSC-CH-E1002-08.3 (Microwave method)

Test result:

Test No.	Material No.	Test Parameter	Unit	RL	Regulatory Requirement	Test Result
T001	M015 + M016 + M017	Lead Content	ppm	10	100	< RL
T002	M018	Lead Content	ppm	10	100	< RL
T003	M020	Lead Content	ppm	10	100	< RL
T004	M021	Lead Content	ppm	10	100	23

Abbreviation: < = less than
RL = Reporting Limit
ppm = parts per million

Remark:

- *1 CA Prop. 65 -Total lead content
- Paint or surface coating in products shall not contain more than 0.009% (90 ppm) total lead content
 - Other components in product shall not contain more than 0.01% (100 ppm) total lead content

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14.ASTM F963-17 Sect. 4.3.5.1 and 4.3.5.2 : Soluble heavy metal

Test method: For paint and similar surface-coating materials: ASTM F963-17 Section 8.3.2 - 8.3.4 Method to Dissolve Soluble Matter for Surface Coatings, Preparation of Test Samples and Test Procedures

For substrate: ASTM F963-17 Section 8.3.5 Soluble Element Test Method for Substrate Materials

This requirement applies to the coating and substrate materials which the sample weight is greater than 10 mg

Test result:

Test No.	Material No.	[mg/kg]							
		Sb	As	Ba	Cd	Cr	Pb	Hg	Se
		Maximum Permissible Limit of Any Toy Materials except Modelling Clay							
		60	25	1000	75	60	90	60	500
		Maximum Permissible Limit of Modelling Clay							
		60	25	250	50	25	90	25	500
		RL							
		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
T001	M002	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL
T002	M003	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL
T003	M004	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL
T004 (*1) (21mg)	M005	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL
T005 (*1) (10mg)	M006	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL
T006 (*1) (39mg)	M007	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL
T007 (*2)	M008	-	-	-	-	-	-	-	-
T008 (*2)	M009	-	-	-	-	-	-	-	-
T009 (*1) (28mg)	M010	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL
T010 (*2)	M011	-	-	-	-	-	-	-	-
T011 (*2)	M012	-	-	-	-	-	-	-	-
T012	M015	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL
T013	M016	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL
T014	M017	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL
T015	M018	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL

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Test No.	Material No.	[mg/kg]							
		Sb	As	Ba	Cd	Cr	Pb	Hg	Se
		Maximum Permissible Limit of Any Toy Materials except Modelling Clay							
		60	25	1000	75	60	90	60	500
		Maximum Permissible Limit of Modelling Clay							
		60	25	250	50	25	90	25	500
		RL							
		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
T016 (*1) (12mg)	M020	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL

Abbreviation: < = less than
 RL = Reporting Limit
 mg/kg = milligram per kilogram

Remark:

- *1 The weight of test portion marked (*1) available was less than 100 mg, but greater than 10 mg, so results were calculated as if 100 mg of the sample were available.
- *2 The weight of test portion marked (*2) available was less than 10 mg, the test for soluble heavy metal content was not performed.

* Migration results of eight elements shown are the adjusted analytical results

Element	Sb	As	Ba	Cd	Cr	Pb	Hg	Se
Analytical Correction (in %)	60	60	30	30	30	30	50	60

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15.CPSIA Sect 103: Tracking label**Test Result:**

Test No:	T001
Material No:	M001
Present On Packaging	Absent
Present On Product	Absent
Advertisement claims on safety standards	Not Applicable

Remark:

- * If there is a tracking label on the product which is visible through disposable packaging, the packaging need not be marked.
- ** The correct adherence to all requirements according to CPSIA Tracking label in regards to the marking of:
- (1) Manufacturer or private labeler name;
 - (2) Location and date of production of the product;
 - (3) Detailed information on the manufacturing process, such as a batch or run number, or other identifying characteristics; and,
 - (4) Any other information to facilitate ascertaining the specific source of the product; can only be confirmed by the manufacturer/trader/applicant. The presence of related information was assessed; however, they cannot be verified in the frame of this test.

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16.Total Lead Content - State of Illinois Public Act 097-0612 (SB 1943)

Test Method: For substrate: CPSC-CH-E1001-08.3, CPSC-CH-E1002-08.3
 For coating: CPSC-CH-E1003-09.1 (microwave method)

Test Result:

Test No.	Material No.	Test Parameter	Unit	RL	Regulatory Requirement	Test Result
T001	M002	Lead Content	mg/kg	10	40	20
T002	M003	Lead Content	mg/kg	10	40	15
T003	M004	Lead Content	mg/kg	10	40	27
T004	M005 + M006	Lead Content	mg/kg	10	40	13
T005	M007 + M008	Lead Content	mg/kg	10	40	< RL
T006	M009 + M010	Lead Content	mg/kg	10	40	< RL
T007	M011 + M012	Lead Content	mg/kg	10	40	< RL

Abbreviations: < = less than
 RL = Reporting Limit
 mg/kg = milligram per kilogram

Remark:

* Effective from 1 Jan 2012, children's products importing to Illinois shall fulfill both Public Law 110-314 (CPSIA) and Public Act 097-0612 (SB 1943) requirements

Product Type	Lead in Surface coating		Lead in substrate	
	40-90ppm	>90ppm	40-100ppm	>100ppm
Toys Containing Paint(<12 years)	Warning Required	Prohibited in US	Not Applicable	Not Applicable
Child Care Article (< 6 years)	Warning Required	Prohibited in US	Warning Required	Prohibited in US
Children's Jewelry (< 12 years)	Warning Required	Prohibited in US	Warning Required	Prohibited in US

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Sample Photos



- END -

General Terms and Conditions of Business of TÜV Rheinland in Greater China

1.	Scope	9.	Acceptance of work	14.	Data protection notice
1.1	These General Terms and Conditions of Business of TÜV Rheinland in Greater China ("GTBCB") is made between the client and one or more member entities of TÜV Rheinland in Greater China as applicable as the case may be ("client hereinafter"). The Greater China hereof refers to Mainland China, Hong Kong and Taiwan. The client hereby indicates:	9.1	Any part of the work result ordered which is complete in itself may be presented by TÜV Rheinland for acceptance as an installment. The client shall be obliged to accept it immediately.	14.	TÜV Rheinland processes personal data of the client for the purpose of fulfilling this contract. In addition, TÜV Rheinland also processes the data for other legal purposes in accordance with the relevant legal basis. The personal data of the client will only be disclosed to other natural or legal persons if the legal requirements are met. This also applies to transfers to third countries. The personal data will be deleted immediately as soon as the legal basis for its processing expires. The following rights are given: right of information, right of rectification, right of deletion, right of processing limitation, right of objection, right of data transferability. In addition, persons concerned by the data processing have the right to revoke their consent at any time with effect for the future, as well as the right to file a complaint with the competent data protection supervisory authority. For further details on the processing of personal data by TÜV Rheinland as the person responsible or contract processor, please refer to the respective data protection notice which is available on request. You can contact the Data Protection Officer of TÜV Rheinland by e-mail at datenschutz@tuv.com or by post at the following address: TÜV Rheinland AG, c/o Group Data Protection Officer, Am Grauen Stein, 51105 Cologne, Germany.
(i)	a natural person capable to form legally binding contracts under the applicable laws who concludes the contract not for the purpose of a daily use;	9.2	If acceptance is required or contractually agreed in an individual case, this shall be deemed to have taken place two (2) weeks after completion and handover of the work, unless the client refuses acceptance within this period stating at least one fundamental breach of contract by TÜV Rheinland.		
(ii)	the incorporated or unincorporated entity duly organized, validly existing and capable to form legally binding contracts under the applicable law.	9.3	The client is not entitled to refuse acceptance due to insignificant breach of contract by TÜV Rheinland.		
1.2	The following terms and conditions apply to agreed services including consultancy services, information, deliveries and similar services as well as ancillary services and other secondary obligations provided within the scope of contract performance.	9.4	If acceptance is excluded according to the nature of the work performance of TÜV Rheinland, the completion of the work shall take its place.		
1.3	Any standard terms and conditions of the client of any nature shall not apply and shall hereby be expressly excluded. No standard contractual terms and conditions of the client shall form part of the contract even if TÜV Rheinland does not explicitly object to them.	9.5	During the Follow-Audit stage, if the client was unable to make use of the time windows provided for within the scope of a certification procedure for auditing/performance by TÜV Rheinland and the certificate is therefore to be withdrawn (e.g. performance of surveillance audits), TÜV Rheinland is entitled to immediately charge a lump-sum compensation of 10% of the order amount as compensation for expenses. The client reserves the right to prove that the TÜV Rheinland has incurred no damage whatsoever or only a considerably lower damage than the above lump sum.		
1.4	In the context of an ongoing business relationship with the client, this GTBCB shall also apply to future contracts with the client without TÜV Rheinland having to refer to them separately in each individual case.	9.6	Insofar as the client has undertaken in the contract to accept services, TÜV Rheinland shall also be entitled to charge lump-sum damages in the amount of 10% of the order amount as compensation for expenses if the service is not called within one year after the order has been placed. The client reserves the right to prove that the TÜV Rheinland has incurred no damage whatsoever or only a considerably lower damage than the above mentioned lump sum.		
2.	Quotations			15.	Test materials/samples: transport risk and storage
	Unless otherwise agreed, all quotations submitted by TÜV Rheinland can be changed by TÜV Rheinland without notice prior to its acceptance and confirmation by the other party.			15.1	The risk and costs for freight and transport of documents or test materials/samples to and from TÜV Rheinland as well as the costs of necessary disposal measures shall be borne by the client. TÜV Rheinland will be only liable for the direct loss of test materials/samples in the laboratories or warehouses of TÜV Rheinland only in case of gross negligence.
3.	Coming into effect and duration of contracts	10.	Confidentiality	15.2	Any destroyed and otherwise worthless test materials/samples will be disposed of by TÜV Rheinland for the client at the expense of the client, unless otherwise agreed.
3.1	The contract shall come into effect for the agreed terms upon the quotation letter of TÜV Rheinland or a separate contractual document being signed by both contracting parties, or upon the works requested by the client being carried out by TÜV Rheinland. If the client instructs TÜV Rheinland without receiving a quotation from TÜV Rheinland (quotation), TÜV Rheinland is, in its sole discretion, entitled to accept the order by giving written notice of such acceptance (including notice sent via electronic means) or by performing the requested services.	10.1	For the purpose of these terms and conditions, "confidential information" means all know-how, trade secrets, documents, images, drawings, expertise, information, data, test results, reports, samples, project documents, pricing and financial information, customer and supplier information, and marketing techniques and materials, tangible or intangible, that are supplied, transferred or otherwise disclosed by one Party (the "disclosing party") to the other Party (the "receiving party"), in writing or orally, in printed or electronic form. Confidential information is expressly not the data and know-how collected, compiled or otherwise obtained by TÜV Rheinland (non-personal and not proprietary to the client) within the scope of the provision of services by TÜV Rheinland. TÜV Rheinland is entitled to store, use, further develop and pass on the data obtained in connection with the provision of services for the purposes of developing new services, improving services and analysing the provision of services. 10.2 The disclosing party shall mark all confidential information disclosed in written form as confidential before passing it onto the receiving party. The same applies to confidential information transmitted by e-mail. If confidential information is disclosed orally, the receiving party shall be appropriately informed in advance and the disclosing party shall confirm in writing the confidentiality nature of the information within five working days of oral disclosure. Where the disclosing party fails to do so within the stipulated period, the receiving party shall not take any confidentiality obligations hereunder towards such information. The client shall avoid using any third party platform and/or system (e.g. Wechat, Dingding, etc.). Unauthorized by TÜV Rheinland) to send any confidential information to TÜV Rheinland. Instead, the client shall send any confidential information to company email of TÜV Rheinland employees through its company email. If the client suffers from any losses or damages due to any theft or leakages to be caused by the adoption of any unauthorized confidential information sharing methods mentioned above, TÜV Rheinland shall be waived for any compensation liabilities.	15.3	Undamaged test materials/samples shall be stored by TÜV Rheinland for four (4) weeks after completion of the test. If a longer storage period is desired, TÜV Rheinland charges an appropriate storage fee.
3.2	The contract term starts upon the coming into effect of the contract in accordance with article 3.1 and shall continue for the term agreed in the contract.	a)	may only be used by the receiving party for the purposes of performing the contract, unless expressly otherwise agreed in writing by the disclosing party;	15.4	After the expiry of the 4 weeks or any longer period agreed upon, the test materials/samples will be disposed of by TÜV Rheinland for the client for a fee in accordance with clause 15.2.
3.3	If the contract provides for an extension of the contract term, the contract term will be extended by the term provided for in the contract unless terminated in writing by either party with a six-week notice prior to the end of the contractual term.	b)	may not be copied, distributed, published or otherwise disclosed by the receiving party, unless this is necessary for fulfilling the purpose of the contract or TÜV Rheinland is required to pass on confidential information, information reports or documentation to the government authorities, judicial authorities, arbitration or third parties that are involved in the performance of the contract;	15.5	If test materials/samples or documentations are given to the client to be placed in storage at their premises, the test materials/samples or documentations must be made available to TÜV Rheinland upon request promptly and free of charge. If the client in response to such a request is incapable of making available the test materials/samples and/or documentation, any liability claims for material and pecuniary damage resulting from the respective testing and certification that is brought forward by the client against TÜV Rheinland shall be voided.
4.	Scope of services	c)	must be treated by the receiving party with the same level of confidentiality as the receiving party uses to protect its own confidential information, but never with a lesser level of confidentiality than that which is reasonably required.	16.	Termination of the contract
4.1	The scope and type of the services to be provided by TÜV Rheinland shall be specified in the contractually agreed service scope of TÜV Rheinland by both parties. If no such separate service scope of TÜV Rheinland exists, then the written confirmation of order by TÜV Rheinland shall be decisive for the service to be provided.	d)	the receiving party developed it itself, irrespective of disclosure by the disclosing party, shall not be deemed to constitute "confidential information" as defined in this confidentiality clause.	16.1	Notwithstanding clause 3.3 of the GTBCB, TÜV Rheinland and the client are entitled to terminate the contract in its entirety or, in the case of services combined in one contract, each of the combined parts of the contract individually and independently of the continuation of the remaining services with six (6) months' notice to the end of the contractually agreed term. The notice period shall be shortened to six (6) weeks in case TÜV Rheinland is prevented from performing the services due to a loss or a suspension of its accreditation or notification.
4.2	The agreed services shall be performed in compliance with the regulations in force at the time the contract is entered into.	e)	it was generally known at the time of disclosure or has become general knowledge without violation of this confidentiality clause by the receiving party; or	16.2	For good causes, TÜV Rheinland may consider giving a written notice to the client to terminate the contract which includes but not limited to the following:
4.3	TÜV Rheinland is entitled to determine, in its sole discretion, the method and nature of the assessment unless otherwise agreed in writing or if mandatory provisions require a specific procedure to be followed.	f)	it was disclosed to the receiving party by a third party entitled to disclose this information; or	a)	the client does not immediately notify TÜV Rheinland of changes in the conditions within the company which are relevant for certification or signs of such changes;
4.4	On execution of the work there shall be no simultaneous assumption of any guarantee of the correctness (proper quality) and working order of either tested or examined parts nor of the installation as a whole and its upstream and/or downstream processes, organizations, use and application in accordance with regulations, nor of the systems in which the installation is based. In particular, TÜV Rheinland shall assume no responsibility for the construction, selection of materials and assembly of installations examined, nor for their use and application in accordance with regulations, unless these questions are expressly covered by the client.	g)	the receiving party already possessed this information prior to disclosure by the disclosing party; or	b)	the client misuses the certificate or certification mark or uses it in violation of the contract;
4.5	In the case of inspection work, TÜV Rheinland shall not be responsible for the accuracy or checking of the safety programmes or safety regulations on which the inspections are based, unless otherwise expressly agreed in writing.	h)	the receiving party developed it itself, irrespective of disclosure by the disclosing party, shall not be deemed to constitute "confidential information" as defined in this confidentiality clause.	c)	in the event of several consecutive delays in payment (at least three times);
4.6	If mandatory legal regulations and standards or official requirements for the agreed service scope change after conclusion of the contract, with a written notice to the client, TÜV Rheinland shall be entitled to additional remuneration for resulting additional expenses.	i)	All confidential information shall remain the property of the disclosing party. The receiving party hereby agrees to immediately (i) return all confidential information, including all copies, to the disclosing party; and/or (ii) on request by the disclosing party, to destroy all confidential information, including all copies, and confirm the destruction of this confidential information to the disclosing party in writing; at any time if so requested by the disclosing party but at the latest and without special request after termination or expiry of the contract. This does not extend to include reports and certificates prepared for the client solely for the purpose of fulfilling the obligations under the contract which shall remain with the client. However, TÜV Rheinland is entitled to make file copies of such reports, certificates and confidential information that forms the basis for preparing these reports and certificates in order to evidence the correctness of its results and for general documentation purposes required by laws, regulations and the requirements of working procedures of TÜV Rheinland.	d)	a substantial deterioration of the financial circumstances of the client occurs and as a result the payment claims of TÜV Rheinland under the contract are considerably endangered and TÜV Rheinland cannot reasonably be expected to continue the contractual relationship.
4.7	The services to be provided by TÜV Rheinland under the contract are agreed exclusively with the client. A contract of third parties with the services of TÜV Rheinland, as well as making available of and justifying confidence in the work results (test reports, test results, expert reports, etc.) is not part of the agreed services. This also applies if the client passes on work results - in full or in extracts - to third parties in accordance with clause 11.4.	10.3	From the start of the contract and for a period of three years after termination or expiry of the contract, the receiving party shall maintain strict confidentiality of confidential information and shall not disclose this information to any third parties or use it for itself.	e)	in the event of any serious misrepresentation, be it by intentional fraud or grossly negligent behavior of the managers, employees or agents of the client.
5.	Performance periods/dates	10.4	The receiving party may disclose any confidential information received from the disclosing party only to those of its employees who need this information to perform the services required for the contract. The receiving party undertakes to obligate these employees to observe the same level of secrecy as set forth in this confidentiality clause.	f)	if TÜV Rheinland, for reasons beyond its control, is temporarily or finally not able or entitled to continue or finalize the performance of the services, e.g. in case of force majeure, government interference, sanctions, loss of accreditation or notification, or other.
5.1	The contractually agreed periods/dates of performance are based on estimates of the work involved which are prepared in line with the details provided by the client. They shall only be binding if given confirmed as binding by TÜV Rheinland in writing.	10.5	Information for which the receiving party can furnish proof that:	16.3h	the event of termination with written notice by TÜV Rheinland for good cause, TÜV Rheinland shall be entitled to a lump-sum claim for damages against the client if the conditions of a claim for damages exist. In this case, the client shall owe 15% of the remuneration to be paid until the end of the fixed contract term as lump-sum compensation. The client reserves the right to prove that there is no damage or a considerably lower damage, TÜV Rheinland reserves the right to prove a considerably higher damage in individual cases.
5.2	If binding periods of performance have been agreed, these periods shall not commence until the client has submitted all required documents to TÜV Rheinland.	a)	it was generally known at the time of disclosure or has become general knowledge without violation of this confidentiality clause by the receiving party; or	16.4	TÜV Rheinland is also entitled to terminate the contract with written notice if the client has not been able to make use of the time windows for auditing service provision provided by TÜV Rheinland within the scope of a certification procedure and the certificate therefore has to be withdrawn (for example during the performance of monitoring audits). Clause 16.3 applies accordingly.
5.3	Articles 5.1 and 5.2 also apply, even without express approval by the client, to all extensions of agreed periods/dates of performance not caused by TÜV Rheinland.	b)	it was disclosed to the receiving party by a third party entitled to disclose this information; or	17.	Force Majeure
5.4	TÜV Rheinland is not responsible for a delay in performance, in particular if the client has not fulfilled his duties to cooperate in accordance with clause 6.1 or has not done so in time and, in particular, has not provided TÜV Rheinland with all documents and information required for the performance of the service as specified in the contract.	c)	the receiving party already possessed this information prior to disclosure by the disclosing party; or	17.1	"Force Majeure" means the occurrence of an event or circumstance that prevents or impedes a Party from performing one or more of its contractual obligations under the contract, if and to the extent that that Party proves: (a) that the event or circumstance is beyond its reasonable control; and (b) that it could not reasonably have been foreseen at the time of the conclusion of the contract; and (c) that the effects of the impediment could not reasonably have been avoided or overcome by the affected Party.
5.5	If the performance of TÜV Rheinland is delayed due to unforeseeable circumstances such as force majeure, strikes, business disruptions, governmental regulations, transport obstacles, etc., TÜV Rheinland is entitled to postpone performance for a reasonable period of time which corresponds, at least to the duration of the hindrance plus any time period which may be required to resume performance.	d)	the receiving party developed it itself, irrespective of disclosure by the disclosing party, shall not be deemed to constitute "confidential information" as defined in this confidentiality clause.	17.2	In the absence of proof to the contrary, the following events affecting a Party shall be presumed to fulfill conditions (a) and (b) under paragraph 1 of this Clause: (i) war (whether declared or not), hostilities, invasion, act of foreign enemies, extensive military mobilization; (ii) civil war, riot, rebellion and revolution, military or usurped power, insurrection, act of terrorism, sabotage or piracy; (iii) currency and trade restrictions, embargo of goods, export or import controls; (iv) act of authority whether lawful or unlawful, compliance with any law or governmental order, expropriation, seizure of works, requisition, nationalization; (v) plague, epidemic, natural disaster or extreme natural event; (v) explosion, fire, destruction of equipment, prolonged breakdown of transport, telecommunication system or power supply; (vi) general labor disturbance such as boycott, strike and lock-out, go-slow, occupation of factories and premises.
6.	The client's obligation to cooperate	10.6	All confidential information shall remain the property of the disclosing party. The receiving party hereby agrees to immediately (i) return all confidential information, including all copies, to the disclosing party; and/or (ii) on request by the disclosing party, to destroy all confidential information, including all copies, and confirm the destruction of this confidential information to the disclosing party in writing; at any time if so requested by the disclosing party but at the latest and without special request after termination or expiry of the contract. This does not extend to include reports and certificates prepared for the client solely for the purpose of fulfilling the obligations under the contract which shall remain with the client. However, TÜV Rheinland is entitled to make file copies of such reports, certificates and confidential information that forms the basis for preparing these reports and certificates in order to evidence the correctness of its results and for general documentation purposes required by laws, regulations and the requirements of working procedures of TÜV Rheinland.	17.3	The Party successfully invoking this Clause is relieved from its duty to perform its obligations under the contract and from any liability in damages or from any other contractual remedy for breach of contract, from the time at which the impediment causes inability to perform, provided that the notice thereof is given without delay. If notice thereof is not given without delay, the relief is effective from the time at which notice thereof reaches the other Party. Where the effect of the impediment or event invoked is temporary, the above consequences shall apply only as long as the impediment invoked impedes performance by the affected Party. Where the duration of the impediment invoked has the effect of substantially depriving the contracting Parties of what they were reasonably entitled to expect under the contract, either Party has the right to terminate the contract by notification within a reasonable period to the other Party. Unless otherwise agreed, the Parties expressly agree that the contract may be terminated by either Party if the duration of the impediment exceeds 120 days.
6.1	The client shall guarantee that all cooperation required on its part, its agents or third parties will be provided in good time and at no cost to TÜV Rheinland.	10.7	From the start of the contract and for a period of three years after termination or expiry of the contract, the receiving party shall maintain strict confidentiality of confidential information and shall not disclose this information to any third parties or use it for itself.	18.	Hardship
6.2	Design documents, supplies, auxiliary staff, etc. necessary for performance of the services shall be made available free of charge by the client. Moreover, collaborative action of the client must be undertaken in accordance with legal provisions, standards, safety regulations and accident prevention instructions. And the client represents and warrants that:	11.	Copyrights and rights of use, publications	18.1	The Parties are bound to perform their contractual duties even if events have rendered performance more onerous than could reasonably have been anticipated at the time of the conclusion of the contract.
a)	it has required statutory qualifications;	11.1	TÜV Rheinland shall retain all exclusive copyrights in the reports, expert reports/opinions, test reports/results, results, calculations, presentations etc. prepared by TÜV Rheinland, unless otherwise agreed by the parties in a separate agreement. As the owner of the copyrights, TÜV Rheinland is free to grant others the right to use the work results for individual or all types of use ("right of use")	18.2	Notwithstanding paragraph 1 of this Clause, where a Party proves that:
b)	the product, service or management system to be certified complies with applicable laws and regulations; and	11.2	The client receives a simple, unlimited, non-transferable, non-sublicensable right of use to the contents of the work results produced within the scope of the contract, unless otherwise agreed by the parties in a separate agreement. The client may only use such reports, expert reports/opinions, test reports/results, results, calculations, presentations etc. prepared within the scope of the contract for the contractually agreed purpose.	(a)	the continued performance of its contractual duties has become excessively onerous due to an event beyond its reasonable control which it could not reasonably have been expected to have taken into account at the time of the conclusion of the contract; and that
c)	it doesn't have any illegal and dishonest behaviours or is not included in the list of Enterprises with Serious Illegal and Dishonest Acts of People's Republic of China.	11.3	The transfer of right of use of the generated work results regulated in clause 11.2. of the GTBCB is subject to full payment of the remuneration agreed in favour of TÜV Rheinland.	(b)	it could not reasonably have avoided or overcome the event or its consequences, the Parties are bound, within a reasonable time of the invocation of this Clause, to negotiate alternative contractual terms which reasonably allow to overcome the consequences of the event.
If the client breaches the aforesaid representations and warranties, TÜV Rheinland is entitled to i) immediately terminate the contract/order without prior notice; and, iv) withdraw the issued testing reports/certificates if any.		11.4	The client may only use work results only complete and unshortened. The client may only pass on the work results in full unless TÜV Rheinland has given its prior written consent to the partial passing on of work results.	18.3	Where Clause 18.2 applies, but where the Parties have been unable to agree alternative contractual terms as provided in paragraph 1 of this clause, the Party invoking this Clause is entitled to terminate the contract, but cannot request adaptation by the judge or arbitrator without the agreement of the other Party.
6.3	The client shall bear any additional cost incurred on account of work having to be redone or being delayed as a result of late, incorrect or incomplete information provided by or lack of proper cooperation from the client. Even where a fixed or maximum price is agreed, TÜV Rheinland shall be entitled to extra charge fees for such additional expense.	11.5	Any publication or duplication of the work results for advertising purposes or any further use of the work results beyond the scope regulated in clause 11.2. needs the prior written approval of TÜV Rheinland in each individual case.		
7.	Prices	11.6	TÜV Rheinland may revoke a once given approval according to clause 11.5 at any time without stating reasons. In this case, the client is obliged to stop the transfer of the work results immediately at his own expense and, as far as possible, to withdraw publications.	19.	Partial invalidity, written form, place of jurisdiction and dispute resolution
7.1	If the scope of performance is not laid down in writing when the order is placed, invoicing shall be based on costs actually incurred. If no price is agreed in writing, invoicing shall be made in accordance with the price list of TÜV Rheinland valid at the time of performance.	11.7	The consent of TÜV Rheinland to publication or duplication of the work results does not entitle the client to use the corporate logo, corporate design or test/certification mark of TÜV Rheinland.	19.1	All amendments and supplements must be in writing in order to be effective. This also applies to amendments and supplements to this clause 17.1.
7.2	Unless otherwise agreed, work shall be invoiced according to the progress of the work.	12.	Liability of TÜV Rheinland	19.2	Should one or several of the provisions under the contract and/or these terms and conditions be or become ineffective, the contracting parties shall replace the invalid provision with a legally valid provision that comes closest to the content of the invalid provision in legal and commercial terms.
7.3	If the execution of an order extends over more than one month and the value of the contract or the agreed fixed price exceeds €2,500.00 or equivalent value in local currency, TÜV Rheinland may demand payments on account or in installments.	12.1	Irrespective of the legal basis, to the fullest extent permitted by applicable law, in the event of a breach of contractual obligations or tort, the liability of TÜV Rheinland for all damages, losses and reimbursement of expenses caused by TÜV Rheinland, its legal representatives and/or employees shall be limited to: (i) in the case of a contract with a fixed overall fee, three times the overall fee for the entire contract; (ii) in the case of a contract for annually recurring services, the agreed annual fee; (iii) in the case of a contract expressly charged on a time and material basis, a maximum of 20,000 Euro or equivalent amount in local currency; and (iv) in the case of a framework agreement that provides for the possibility of placing individual orders, three times of the fee for the individual order under which the damages or losses have occurred. Notwithstanding the above, in the event that the total and accumulated liability calculated according to the foregoing provisions exceeds 2.5 Million Euro or equivalent amount in local currency, the total and accumulated liability of TÜV Rheinland shall be only limited to and shall not exceed the said 2.5 Million Euro or equivalent amount in local currency.	19.3	Unless otherwise stipulated in the contract, the governing law of the contract and these terms and conditions shall be chosen following the rules as below:
8.	Payment terms	12.2	The limitation of liability according to article 12.1 above shall not apply to damages and/or losses caused by malice, intent or gross negligence on the part of TÜV Rheinland or its vicarious agents. Such limitation shall not apply to damages for a person's death, physical injury or illness.	a)	If TÜV Rheinland in question is legally registered and existing in the People's Republic of China, the contracting parties hereby agree that the contract and these terms and conditions shall be governed by the laws of the People's Republic of China.
8.1	All invoice amounts shall be due for payment without deduction on receipt of the invoice. No discounts and rebates shall be granted.	12.3	In cases involving a fundamental breach of contract, TÜV Rheinland will be liable even where minor negligence is involved. For this purpose, a "fundamental breach" is breach of a material contractual obligation, the performance of which permits the due performance of the contract. Any claim for damages for a fundamental breach of contract shall be limited to the amount of damages reasonably foreseen as a possible consequence of such breach of contract at the time of the breach (reasonably foreseeable damages), unless any of the circumstances described in article 12.2 applies.	b)	If TÜV Rheinland in question is legally registered and existing in Taiwan, the contracting parties hereby agree that the contract and these terms and conditions shall be governed by the laws of Taiwan.
8.2	Payments shall be made to the bank account of TÜV Rheinland as indicated on the invoice, stating the invoice and client numbers.	12.4	TÜV Rheinland shall not be liable for the acts of the personnel made available by the client to support TÜV Rheinland in the performance of its services under the contract, unless such personnel made available is regarded as vicarious agent of TÜV Rheinland. If TÜV Rheinland is not liable for the acts of the personnel made available by the client under the foregoing provision, the client shall indemnify TÜV Rheinland against any claims made by third parties arising from or in connection with such personnel's acts.	c)	If TÜV Rheinland in question is legally registered and existing in Hong Kong, the contracting parties hereby agree that the contract and these terms and conditions shall be governed by the laws of Hong Kong.
8.3	In cases of default of payment, TÜV Rheinland shall be entitled to claim default interest at the applicable short term loan interest rate publicly announced by a reputable commercial bank in the country where TÜV Rheinland is located. At the same time, TÜV Rheinland reserves the right to claim further damages.	12.5	Unless otherwise contractually agreed in writing, TÜV Rheinland shall only be liable under the contract to the client.	19.4	Any dispute in connection with the contract and these terms and conditions or the execution thereof shall be settled friendly through negotiations.
8.4	Should the client default in payment of the invoice despite being granted a reasonable grace period, TÜV Rheinland shall be entitled to cancel the contract, withdraw the certificate, claim damages for non-performance and refuse to continue performance of the contract.	12.6	The limitation periods for claims for damages shall be based on statutory provisions.	Unless otherwise stipulated in the contract, if no settlement or no agreement in respect of the extension of the negotiation period can be reached within two months of the arising of the dispute, the dispute shall be submitted:	
8.5	The provisions set forth in article 8.4 shall also apply in cases involving returned cheques, cessation of payment, commencement of insolvency proceedings against the client's assets or cases in which the commencement of insolvency proceedings has been dismissed due to lack of assets.	12.7	None of the provisions of this article 12 changes the burden of proof to the disadvantage of the client.	a)	in the case of TÜV Rheinland in question being legally registered and existing in the People's Republic of China, the arbitration shall be conducted by the Arbitration Commission (CIETAC) to be settled by arbitration under the Arbitration Rules of CIETAC in force when the arbitration is submitted. The arbitration shall take place in Beijing, Shanghai, Shenzhen or Chongqing as appropriately chosen by the claiming party.
8.6	Objections to the invoices of TÜV Rheinland shall be submitted in writing within two weeks of receipt of the invoice.	13.	Export control	b)	in the case of TÜV Rheinland in question being legally registered and existing in Taiwan, to Chinese Arbitration Association, Taipei to be arbitrated in accordance with its then current Rules of Arbitration. The arbitration shall take place in Taipei.
8.7	TÜV Rheinland shall be entitled to demand appropriate advance payments.	13.1	When passing on the services provided by TÜV Rheinland or parts thereof to third parties in Greater China or other regions, the client must comply with the respectively applicable regulations of national and international export control law.	c)	in the case of TÜV Rheinland being legally registered and existing in Hong Kong, to Hong Kong International Arbitration Centre (HKIAC) to be settled by arbitration under the HKIAC Administered Arbitration Rules in force when the Notice of Arbitration is submitted in accordance with these rules. The arbitration shall take place in Hong Kong.
8.8	TÜV Rheinland shall be entitled to raise its fees at the beginning of a month if overheads and/or purchase costs have increased. In this case, TÜV Rheinland shall notify the client in writing of the rise in fees. This notification shall be issued one month prior to the date on which the rise in fees shall come into effect (period of notice of changes in fees). If the rise in fees remains under 5% per contractual year, the client shall not have the right to terminate the contract. If the rise in fees exceeds 5% per contractual year, the client shall be entitled to terminate the contract by the end of the period of notice of changes in fees. If the contract is not terminated, the changed fees shall be deemed to have been agreed upon by the time of the expiry of the notice period.	13.2	The performance of a contract with the client is subject to the proviso that there are no obstacles to performance due to national or international foreign trade legislations or embargoes and/or sanctions. In the event of a violation, TÜV Rheinland shall be entitled to terminate the contract with immediate effect and the client shall compensate for the losses incurred thereof by TÜV Rheinland.		
8.9	Only legally established and undisputed claims may be offset against claims by TÜV Rheinland.				
8.10	TÜV Rheinland shall have the right at all times to set off any amount due or payable by the client, including but not limited to set off against any fees paid by the client under any contracts, agreement and/or orders/quotations reached with TÜV Rheinland.				