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Client: NINGBO GUANYI INTERNATIONAL TRADE CO., LTD.

Contact Information: 20/F, Ningbo Global Shipping Plaza, No. 269, Ningdong Road, Ningbo, China 31500

Manufacturer's name: NINGBO GUANYI INTERNATIONAL TRADE CO., LTD.

Test item(s): Toy

**Identification/
Model No(s):** Refer to page 3

Sample obtaining method: Sending by customer

Condition at delivery: Test item complete and undamaged.

Sample Receiving date: 2023-05-31 & 2023-06-15 & 2023-07-05 & 2023-07-11

Testing Period: 2023-05-31 to 2023-07-13

Place of testing: Chemical laboratory Shanghai, Toys laboratory Shanghai

Test Specification:

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

Other information:

Packaging provided: Artwork

The provided age grade of the item: M001, M002, M004, M006 Over 36 months; M003, M005 Over 24 months.

The appropriate age grade of the item: M001, M002, M004, M006 Over 36 months; M003, M005 Over 18 months.

The item was tested: M001, M002, M004, M006 Over 36 months; M003, M005 Over 18 months.

The report 244519924a 002 supersedes report 244519924a 001

For and on behalf of
TÜV Rheinland (Shanghai) Co., Ltd.



2023-07-19

Neo Yang / Assistant Manager

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:**

- 1 EN 71-1:2014+A1:2018 Mechanical and physical properties
- 2 2009/48/EC CE marking
- 3 2009/48/EC Labeling Requirement
(Importer/ Manufacturer Mark, Product Identification, Washing/ Cleaning instruction)
- 4 EN 71-2:2020 Flammability
- 5 EN 71-3:2019+A1:2021 Migration of 19 Elements
- 6 REACH regulation (EC) No. 1907/2006 and amendment no. 552/2009 Annex XVII entries 51 and 52 : Phthalates
- 7 Total Cadmium Content - REACH regulation (EC) No. 1907/2006 Annex XVII Item 23 and its amendments (EC) No. 552/2009, (EU) No. 494/2011, (EU) No. 835/2012 and (EU) No. 217/2016.

Test result:

PASS

PASS

Please refer to result page

PASS

PASS

PASS

PASS

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SKU	Item No.	Desc.
MAM123	GYT22605	Medical center
MAM124	GYT21319	Jumbo Workbench (with gloves) w/74accessories
MAM125	GYT22551	Rocking Board in ship shape
MAM126	GYT20334	Bowling, set of 10
MAM127	GYT20338	Goal Kick Game, set of 10
MAM128	GYT22340	Safari Truck with animal blocks& 2 drivers

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Material List:

Item: Refer to page 3

Material No.	Material	Color	Location
M001	Whole Product	Multicolor	GYT22605
M002	Whole Product	Multicolor	GYT21319
M003	Whole Product	Multicolor	GYT22551
M004	Whole Product	Multicolor	GYT20336
M005	Whole Product	Multicolor	GYT22340
M006	Whole Product	Multicolor	GYT20334
M008	Coating	Multicolor	On wood
M009	Coating	White	On wood
M011	Coating	Purple	On wood
M012	Coating	Warm Grey	On wood
M013	Coating	Cool Grey	On wood
M014	Coating	Grey	On wood
M015	Coating	Cool Grey	On wood
M016	Coating	Light Grey	On wood
M017	Coating	Cool Grey	On wood
M018	Coating	Light Blue	On wood
M019	Coating	Red	On wood
M020	Coating	Light Pink	On wood
M021	Coating	Cream	On wood
M022	Coating	Yellow	On wood
M023	Coating	Dark Purple	On wood
M024	Coating	Green	On wood
M025	Coating	Black	On wood
M026	Textile	Grey	Fabric
M027	Textile	White	Fabric
M028	Textile	Green	Fabric
M029	Textile	Purple	Fabric
M030	Textile	Navy	Fabric
M031	Plastic	White	Screw

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M033	Plastic	Grey	Screw/wrench/hammer
M034	Plastic	Yellow	Screw
M035	Plastic	Light Blue	Screw/backhoe
M036	Plastic	Light Grey	Drill
M037	Plastic	Grey	Remote control
M038	Plastic	Dark Grey	Box/drill
M039	Plastic	Cyan	Remote control/drill
M040	Plastic + printing	Red,White	Remote contro
M041	Plastic	Red	Drill
M042	Paper + printing	Grey,Multicolor	Film
M043	Textile	Grey,White,Red	Box
M044	Plastic	Deep Grey	Plate
M045	Textile	Grey	Sleeve
M046	Textile	Natural	String
M047	Textile	White	Velcro
M048	Plastic	White	Velcro
M049	Textile	White	String
M050	Textile	Yellow	Bandage
M051	Plastic	Transparent	Tube
M051'	Plastic	Transparent	Tube,reworked sample received on 20230705
M051"	Plastic	Transparent	Tube,reworked sample received on 20230711
M052	Plastic	White	Handle
M053	Plastic	Transparent	Window
M054	Plastic	Red	Pointer
M055	Plastic	Blue	Pointer
M056	Plastic + Textile	White	Elastic string
M057	Plastic	White	Joint
M058	Materials intended to leave a trace	White	Chalk
M059	Textile	Green,White	Fabric
M060	Textile	Purple,Red,Black	Fabric

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M061	Plastic	White	Gear in drill,inaccessible
M062	Plastic	Black	Switch in drill,inaccessible
M063	Plastic	Beige	Motor in drill,inaccessible
M064	Plastic	Red	Wire in drill/remote control,inaccessible
M065	Plastic	Yellow	Wire in drill,inaccessible
M066	Plastic	Blue	Wire in drill/remote control,inaccessible
M067	Plastic	Black	Button in remote control,inaccessible
M068	Plastic	Green	Sound Module in remote control,inaccessible
M069	Plastic	Transparent	Soft Sound Module in remote control,inaccessible
M070	PCB board	Green	PCB in remote control,inaccessible
M071	Wood	Natural	Plywood
M073	Wood	Brown	MDF

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1. EN 71-1:2014+A1:2018 Mechanical and physical properties

	Test No:	T001
	Material No:	M001-M005
4. General requirements		
4.1 Material cleanliness		PASS
4.2 Assembly		PASS *1
4.7 Edges		PASS
4.8 Points and metallic wires		PASS
4.10 Parts moving against each other		PASS *2
4.15 Toys intended to bear the mass of a child		PASS *3
4.16 Heavy immobile toys		PASS *4
4.20 Acoustics		PASS *5
4.22 Small balls		PASS *7
4.23 Magnets		PASS *2
5. Toys intended for children under 36 months		
5.1 General requirements		PASS *6
7. Warnings, markings and instructions for use		
7.1 General		PASS *8
7.2 Toys not intended for children under 36 months		PASS *8
	Test No:	T002
	Material No:	M006
4. General requirements		
4.1 Material cleanliness		PASS
4.7 Edges		PASS
4.8 Points and metallic wires		PASS
4.22 Small balls		PASS
7. Warnings, markings and instructions for use		
7.1 General		PASS
7.2 Toys not intended for children under 36 months		PASS

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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:

- *1 This clause is applicable to M001,M002,M003
- *2 This clause is applicable to M001,M002
- *3 This clause is applicable to M003
- *5 This clause is applicable to M002
- *6 This clause is applicable to M003,M005
- *7 This clause is applicable to M004
- *8 This clause is applicable to M001,M002,M004

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

	Test No:	T001
	Material No:	M001-M006
CE-marking		PASS

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

	Test No:	T001
	Material No:	M001-M006
Importer/ Manufacturer Mark (European Company name and address)+		Present on package
Product Identification - type, batch, serial or model number+		Present on package

Remark:

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

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

	Test No:	T001
	Material No.	M001-M006
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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5. 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/IC-UV/GC-MS.

1) For dry, brittle, powder-like or pliable toy materials :
Test Result:

Test Parameter	Unit	RL	Test No.	T049
			Material No.	M058
			Regulatory Requirement	Result
Aluminium (Al)	mg/kg	10	2,250	33.2
Antimony (Sb)	mg/kg	1	45	< RL
Arsenic (As)	mg/kg	0.5	3.8	< RL
Barium (Ba)	mg/kg	2.5	1,500	4.1
Boron (B)	mg/kg	10	1,200	< RL
Cadmium (Cd)	mg/kg	0.1	1.3	< RL
Chromium III (Cr(III))	mg/kg	1	37.5	< RL
Chromium VI (Cr(VI))	mg/kg	0.015	0.02	< RL
Cobalt (Co)	mg/kg	0.5	10.5	< RL
Copper (Cu)	mg/kg	2.5	622.5	< RL
Lead (Pb)	mg/kg	0.4	2.0	0.5
Manganese (Mn)	mg/kg	2.5	1,200	22.3
Mercury (Hg)	mg/kg	0.5	7.5	< RL
Nickel (Ni)	mg/kg	2.5	75	< RL
Selenium (Se)	mg/kg	2.5	37.5	< RL
Strontium (Sr)	mg/kg	2.5	4,500	198
Tin (Sn)	mg/kg	0.2	15,000	< RL
Organic Tin [^]	mg/kg	0.2	0.9	-
Zinc (Zn)	mg/kg	10	3,750	< RL
Mass of trace amount #	mg	--	--	-

Abbreviation:

- < = less than
- RL = Reporting Limit
- mg/kg denotes milligram per kilogram
- mg denotes milligram
- [^] denotes Organic tin are not necessary to be determined when the Tin concentration is less than calculated limit (0.3 mg/kg)

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

Test Parameter	Unit	RL	Test No.	T001	T002	T003
			Material No.	M008	M009	M011
			Regulatory Requirement	Result	Result	Result
Aluminium (Al)	mg/kg	10	28,130	2350	525	845
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	7.7	< 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	11.3	8.1
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	4.7	< 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	161	< RL	238
Mass of trace amount #	mg	--	--	-	-	-

Abbreviation:

- < = less than
- RL = Reporting Limit
- mg/kg denotes milligram per kilogram
- mg denotes milligram
- [^] 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 Parameter	Unit	RL	Test No.	T004	T005	T006
			Material No.	M012	M013	M014
			Regulatory Requirement	Result	Result	Result
Aluminium (Al)	mg/kg	10	28,130	1250	1230	985
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	7.0	4.8	6.0
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	360	356	281
Mass of trace amount #	mg	--	--	-	-	-

Abbreviation:

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- mg denotes milligram
- [^] 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 Parameter	Unit	RL	Test No.	T007	T008	T009
			Material No.	M015	M016	M017
			Regulatory Requirement	Result	Result	Result
Aluminium (Al)	mg/kg	10	28,130	1470	993	1250
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	6.3	< 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	5.8	14.0	4.7
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	432	282	358
Mass of trace amount #	mg	--	--	-	-	-

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Test Result:

Test Parameter	Unit	RL	Test No.	T010	T011	T012
			Material No.	M018	M019	M020
			Regulatory Requirement	Result	Result	Result
Aluminium (Al)	mg/kg	10	28,130	1040	487	751
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	8.2	28.7	3.9
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	293	133	208
Mass of trace amount #	mg	--	--	-	-	-

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Test Result:

Test Parameter	Unit	RL	Test No.	T013	T014	T015
			Material No.	M021	M022	M023
			Regulatory Requirement	Result	Result	Result
Aluminium (Al)	mg/kg	10	28,130	563	11.1	1400
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	6.7	28.6	7.3
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	158	< RL	406
Mass of trace amount #	mg	--	--	-	-	-

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Test Result:

Test Parameter	Unit	RL	Test No.	T016	T017	T018
			Material No.	M024	M025	M026
			Regulatory Requirement	Result	Result	Result
Aluminium (Al)	mg/kg	10	28,130	714	< RL	< RL
Antimony (Sb)	mg/kg	5	560	< RL	< RL	11.0
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	4.6	3.7	< 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	199	< RL	< RL
Mass of trace amount #	mg	--	--	-	-	-

Abbreviation:

- < = less than
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- mg denotes milligram
- [^] 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 Parameter	Unit	RL	Test No.	T019	T020	T021
			Material No.	M027	M028	M029
			Regulatory Requirement	Result	Result	Result
Aluminium (Al)	mg/kg	10	28,130	< RL	< RL	25.4
Antimony (Sb)	mg/kg	5	560	7.9	7.8	8.6
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
Mass of trace amount #	mg	--	--	-	-	-

Abbreviation:

- < = less than
- RL = Reporting Limit
- mg/kg denotes milligram per kilogram
- mg denotes milligram
- [^] 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 Parameter	Unit	RL	Test No.	T022	T023	T024
			Material No.	M030	M031	M033
			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
Mass of trace amount #	mg	--	--	-	-	-

Abbreviation: < = less than
 RL = Reporting Limit
 mg/kg denotes milligram per kilogram
 mg denotes milligram
 ^ 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 Parameter	Unit	RL	Test No.	T025	T026	T027
			Material No.	M034	M035	M036
			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
Mass of trace amount #	mg	--	--	-	-	-

Abbreviation:

- < = less than
- RL = Reporting Limit
- mg/kg denotes milligram per kilogram
- mg denotes milligram
- [^] 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 Parameter	Unit	RL	Test No.	T028	T029	T030
			Material No.	M037	M038	M039
			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
Mass of trace amount #	mg	--	--	-	-	-

Abbreviation:

- < = less than
- RL = Reporting Limit
- mg/kg denotes milligram per kilogram
- mg denotes milligram
- [^] 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 Parameter	Unit	RL	Test No.	T031	T032	T033
			Material No.	M040	M041	M042
			Regulatory Requirement	Result	Result	Result
Aluminium (Al)	mg/kg	10	28,130	< RL	< RL	23.5
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	5.0
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	23.1
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
Mass of trace amount #	mg	--	--	-	-	-

Abbreviation:

- < = less than
- RL = Reporting Limit
- mg/kg denotes milligram per kilogram
- mg denotes milligram
- [^] 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 Parameter	Unit	RL	Test No.	T034	T035	T036
			Material No.	M043	M044	M045
			Regulatory Requirement	Result	Result	Result
Aluminium (Al)	mg/kg	10	28,130	37.0	< 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	4.4	< 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	6.5	< 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	20.8	< RL	25.3
Mass of trace amount #	mg	--	--	-	-	-

Abbreviation:

- < = less than
- RL = Reporting Limit
- mg/kg denotes milligram per kilogram
- mg denotes milligram
- [^] 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 Parameter	Unit	RL	Test No.	T037	T038	T039
			Material No.	M046	M047	M048
			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	3.6	< 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	36.3	< RL	< RL
Mass of trace amount #	mg	--	--	-	-	-

Abbreviation:

- < = less than
- RL = Reporting Limit
- mg/kg denotes milligram per kilogram
- mg denotes milligram
- [^] 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 Parameter	Unit	RL	Test No.	T040	T041	T042
			Material No.	M049	M050	M051'
			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	276	< RL	< RL
Mass of trace amount #	mg	--	--	-	-	-

Abbreviation:

- < = less than
- RL = Reporting Limit
- mg/kg denotes milligram per kilogram
- mg denotes milligram
- [^] 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 Parameter	Unit	RL	Test No.	T043	T044	T045
			Material No.	M052	M053	M054
			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	4.2	< RL	< RL
Organic Tin [^]	mg/kg	0.2	12	-	-	-
Zinc (Zn)	mg/kg	10	46,000	< RL	< RL	< RL
Mass of trace amount #	mg	--	--	-	-	-

Abbreviation:

- < = less than
- RL = Reporting Limit
- mg/kg denotes milligram per kilogram
- mg denotes milligram
- [^] 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 Parameter	Unit	RL	Test No.	T046	T047	T048
			Material No.	M055	M056	M057
			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	841	< RL
Mass of trace amount #	mg	--	--	-	-	-

Abbreviation:

- < = less than
- RL = Reporting Limit
- mg/kg denotes milligram per kilogram
- mg denotes milligram
- [^] 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 Parameter	Unit	RL	Test No.	T050	T051	T052
			Material No.	M059	M060	M071
			Regulatory Requirement	Result	Result	Result
Aluminium (Al)	mg/kg	10	28,130	< RL	< RL	11.6
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	4.6
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	3.0	< RL	6.8
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
Mass of trace amount #	mg	--	--	-	-	-

Abbreviation:

- < = less than
- RL = Reporting Limit
- mg/kg denotes milligram per kilogram
- mg denotes milligram
- [^] 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.	T053
				Material No.	M073
Test Parameter	Unit	RL	Regulatory Requirement	Result	
Aluminium (Al)	mg/kg	10	28,130	42.3	
Antimony (Sb)	mg/kg	5	560	< RL	
Arsenic (As)	mg/kg	5	47	< RL	
Barium (Ba)	mg/kg	2.5	18,750	11.0	
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	92.9	
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	5.7	
Tin (Sn)	mg/kg	1.0	180,000	< RL	
Organic Tin [^]	mg/kg	0.2	12	-	
Zinc (Zn)	mg/kg	10	46,000	< RL	
Mass of trace amount #	mg	--	--	-	

Abbreviation:

- < = less than
- RL = Reporting Limit
- mg/kg denotes milligram per kilogram
- mg denotes milligram
- [^] 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 / BS 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.
- # According to EN 71-3:2019+A1:2021, if the weight of a test portion of toy material is less than 10mg, the analysis of migration of certain elements would not be required. If the weight of a test portion of toy material is between 10mg and 100mg, the analytical results would be calculated as though 100mg of the test portion had been used.

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6. Phthalates content

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

Test Result:

				Test No.	T001	T002	T003
				Material No.	M008	M009	M011 + M012 + M013
Test Parameter	CAS NO	Unit	RL	Result	Result	Result	
Diethylhexyl phthalate (DEHP)	117-81-7	%	0.01	< RL	< RL	< RL	
Dibutyl phthalate (DBP)	84-74-2	%	0.01	< RL	< RL	< RL	
Benzylbutyl phthalate (BBP)	85-68-7	%	0.01	< RL	< RL	< RL	
Diisobutyl phthalate (DIBP)	84-69-5	%	0.01	< RL	< RL	< RL	
Diisononyl phthalate (DINP)	28553-12-0, 68515-48-0	%	0.01	< RL	< RL	< RL	
Diisodecyl phthalate (DIDP)	26761-40-0, 68515-49-1	%	0.01	< RL	< RL	< RL	
Di-n-octyl phthalate (DNOP)	117-84-0	%	0.01	< RL	< RL	< RL	
Sum (DINP+ DIDP+ DNOP)	--	%	0.01	<RL	<RL	<RL	
Conclusion: REACH regulation (EC) No. 1907/2006 and its amendment Annex XVII entries 51 and 52				Pass	Pass	Pass	

				Test No.	T004	T005	T006
				Material No.	M014 + M015 + M016	M017 + M018 + M019	M020 + M021 + M022
Test Parameter	CAS NO	Unit	RL	Result	Result	Result	
Diethylhexyl phthalate (DEHP)	117-81-7	%	0.01	< RL	< RL	< RL	
Dibutyl phthalate (DBP)	84-74-2	%	0.01	< RL	< RL	< RL	
Benzylbutyl phthalate (BBP)	85-68-7	%	0.01	< RL	< RL	< RL	
Diisobutyl phthalate (DIBP)	84-69-5	%	0.01	< RL	< RL	< RL	
Diisononyl phthalate (DINP)	28553-12-0, 68515-48-0	%	0.01	< RL	< RL	< RL	
Diisodecyl phthalate (DIDP)	26761-40-0, 68515-49-1	%	0.01	< RL	< RL	< RL	
Di-n-octyl phthalate (DNOP)	117-84-0	%	0.01	< RL	< RL	< RL	
Sum (DINP+ DIDP+ DNOP)	--	%	0.01	<RL	<RL	<RL	
Conclusion: REACH regulation (EC) No. 1907/2006 and its amendment Annex XVII entries 51 and 52				Pass	Pass	Pass	

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Test No.				T007	T008	T009
Material No.				M023 + M024	M025	M031 + M033 + M034
Test Parameter	CAS NO	Unit	RL	Result	Result	Result
Diethylhexyl phthalate (DEHP)	117-81-7	%	0.01	< RL	< RL	< RL
Dibutyl phthalate (DBP)	84-74-2	%	0.01	< RL	< RL	< RL
Benzylbutyl phthalate (BBP)	85-68-7	%	0.01	< RL	< RL	< RL
Diisobutyl phthalate (DIBP)	84-69-5	%	0.01	< RL	< RL	< RL
Diisononyl phthalate (DINP)	28553-12-0, 68515-48-0	%	0.01	< RL	< RL	< RL
Diisodecyl phthalate (DIDP)	26761-40-0, 68515-49-1	%	0.01	< RL	< RL	< RL
Di-n-octyl phthalate (DNOP)	117-84-0	%	0.01	< RL	< RL	< RL
Sum (DINP+ DIDP+ DNOP)	--	%	0.01	<RL	<RL	<RL
Conclusion: REACH regulation (EC) No. 1907/2006 and its amendment Annex XVII entries 51 and 52				Pass	Pass	Pass

Test No.				T010	T011	T012
Material No.				M035 + M036 + M037	M038 + M039 + M041	M040
Test Parameter	CAS NO	Unit	RL	Result	Result	Result
Diethylhexyl phthalate (DEHP)	117-81-7	%	0.01	< RL	< RL	< RL
Dibutyl phthalate (DBP)	84-74-2	%	0.01	< RL	< RL	< RL
Benzylbutyl phthalate (BBP)	85-68-7	%	0.01	< RL	< RL	< RL
Diisobutyl phthalate (DIBP)	84-69-5	%	0.01	< RL	< RL	< RL
Diisononyl phthalate (DINP)	28553-12-0, 68515-48-0	%	0.01	< RL	< RL	< RL
Diisodecyl phthalate (DIDP)	26761-40-0, 68515-49-1	%	0.01	< RL	< RL	< RL
Di-n-octyl phthalate (DNOP)	117-84-0	%	0.01	< RL	< RL	< RL
Sum (DINP+ DIDP+ DNOP)	--	%	0.01	<RL	<RL	<RL
Conclusion: REACH regulation (EC) No. 1907/2006 and its amendment Annex XVII entries 51 and 52				Pass	Pass	Pass

Test No.				T013	T014	T015
Material No.				M044	M048	M051"
Test Parameter	CAS NO	Unit	RL	Result	Result	Result
Diethylhexyl phthalate (DEHP)	117-81-7	%	0.01	< RL	< RL	0.018
Dibutyl phthalate (DBP)	84-74-2	%	0.01	< RL	< RL	< RL
Benzylbutyl phthalate (BBP)	85-68-7	%	0.01	< RL	< RL	< RL
Diisobutyl phthalate (DIBP)	84-69-5	%	0.01	< RL	< RL	< RL
Diisononyl phthalate (DINP)	28553-12-0, 68515-48-0	%	0.01	< RL	< RL	< RL
Diisodecyl phthalate (DIDP)	26761-40-0, 68515-49-1	%	0.01	< RL	< RL	< RL
Di-n-octyl phthalate (DNOP)	117-84-0	%	0.01	< RL	< RL	< RL
Sum (DINP+ DIDP+ DNOP)	--	%	0.01	<RL	<RL	<RL
Conclusion: REACH regulation (EC) No. 1907/2006 and its amendment Annex XVII entries 51 and 52				Pass	Pass	Pass

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Test No.				T016	T017	T018
Material No.				M052	M053	M054 + M055 + M057
Test Parameter	CAS NO	Unit	RL	Result	Result	Result
Diethylhexyl phthalate (DEHP)	117-81-7	%	0.01	< RL	< RL	< RL
Dibutyl phthalate (DBP)	84-74-2	%	0.01	< RL	< RL	< RL
Benzylbutyl phthalate (BBP)	85-68-7	%	0.01	< RL	< RL	< RL
Diisobutyl phthalate (DIBP)	84-69-5	%	0.01	< RL	< RL	< RL
Diisononyl phthalate (DINP)	28553-12-0, 68515-48-0	%	0.01	< RL	< RL	< RL
Diisodecyl phthalate (DIDP)	26761-40-0, 68515-49-1	%	0.01	< RL	< RL	< RL
Di-n-octyl phthalate (DNOP)	117-84-0	%	0.01	< RL	< RL	< RL
Sum (DINP+ DIDP+ DNOP)	--	%	0.01	<RL	<RL	<RL
Conclusion: REACH regulation (EC) No. 1907/2006 and its amendment Annex XVII entries 51 and 52				Pass	Pass	Pass

Test No.				T019	T020	T021
Material No.				M056	M058	M061 + M062 + M063
Test Parameter	CAS NO	Unit	RL	Result	Result	Result
Diethylhexyl phthalate (DEHP)	117-81-7	%	0.01	< RL	< RL	< RL
Dibutyl phthalate (DBP)	84-74-2	%	0.01	< RL	< RL	< RL
Benzylbutyl phthalate (BBP)	85-68-7	%	0.01	< RL	< RL	< RL
Diisobutyl phthalate (DIBP)	84-69-5	%	0.01	< RL	< RL	< RL
Diisononyl phthalate (DINP)	28553-12-0, 68515-48-0	%	0.01	< RL	< RL	< RL
Diisodecyl phthalate (DIDP)	26761-40-0, 68515-49-1	%	0.01	< RL	< RL	< RL
Di-n-octyl phthalate (DNOP)	117-84-0	%	0.01	< RL	< RL	< RL
Sum (DINP+ DIDP+ DNOP)	--	%	0.01	<RL	<RL	<RL
Conclusion: REACH regulation (EC) No. 1907/2006 and its amendment Annex XVII entries 51 and 52				Pass	Pass	Pass

Test No.				T022	T023	T024
Material No.				M064 + M065 + M066	M067	M068
Test Parameter	CAS NO	Unit	RL	Result	Result	Result
Diethylhexyl phthalate (DEHP)	117-81-7	%	0.01	< RL	< RL	< RL
Dibutyl phthalate (DBP)	84-74-2	%	0.01	< RL	< RL	< RL
Benzylbutyl phthalate (BBP)	85-68-7	%	0.01	< RL	< RL	< RL
Diisobutyl phthalate (DIBP)	84-69-5	%	0.01	< RL	< RL	< RL
Diisononyl phthalate (DINP)	28553-12-0, 68515-48-0	%	0.01	< RL	< RL	< RL
Diisodecyl phthalate (DIDP)	26761-40-0, 68515-49-1	%	0.01	< RL	< RL	< RL
Di-n-octyl phthalate (DNOP)	117-84-0	%	0.01	< RL	< RL	< RL
Sum (DINP+ DIDP+ DNOP)	--	%	0.01	<RL	<RL	<RL
Conclusion: REACH regulation (EC) No. 1907/2006 and its amendment Annex XVII entries 51 and 52				Pass	Pass	Pass

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Test Parameter	CAS NO	Test No.		T025	T026
		Unit	RL	M069	M070
Diethylhexyl phthalate (DEHP)	117-81-7	%	0.01	< RL	< RL
Dibutyl phthalate (DBP)	84-74-2	%	0.01	< RL	< RL
Benzylbutyl phthalate (BBP)	85-68-7	%	0.01	< RL	< RL
Diisobutyl phthalate (DIBP)	84-69-5	%	0.01	< RL	< RL
Diisononyl phthalate (DINP)	28553-12-0, 68515-48-0	%	0.01	< RL	< RL
Diisodecyl phthalate (DIDP)	26761-40-0, 68515-49-1	%	0.01	< RL	< RL
Di-n-octyl phthalate (DNOP)	117-84-0	%	0.01	< RL	< RL
Sum (DINP+ DIDP+ DNOP)	--	%	0.01	<RL	<RL
Conclusion: REACH regulation (EC) No. 1907/2006 and its amendment Annex XVII entries 51 and 52				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

- 1) 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.)
 - 2) 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
 - 3) Measuring devices for laboratory use;
 - 4) Food contact material and articles within the scope of Regulation (EC) No 1935/2004 or Commission Regulation (EU) No 10/2011
 - 5) Medical devices (Directive 90/385/EEC, 93/42/EEC or 98/79/EC)
 - 6) Electrical and electronic equipment within the scope of Directive 2011/65/EU
 - 7) 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.

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7.Total Cadmium Content

Test Method: EN 1122:2001 (method B)

Test Result:

Test No.	Material No.	Test Parameter	Unit	RL	Test Result
T001	M008	Trial 1	mg/kg	10	< RL
		Trial 2	mg/kg	10	< RL
		Average	mg/kg	10	< RL
T002	M009	Trial 1	mg/kg	10	< RL
		Trial 2	mg/kg	10	< RL
		Average	mg/kg	10	< RL
T003	M011 + M012 + M013	Trial 1	mg/kg	10	< RL
		Trial 2	mg/kg	10	< RL
		Average	mg/kg	10	< RL
T004	M014 + M015 + M016	Trial 1	mg/kg	10	< RL
		Trial 2	mg/kg	10	< RL
		Average	mg/kg	10	< RL
T005	M017 + M018 + M019	Trial 1	mg/kg	10	< RL
		Trial 2	mg/kg	10	< RL
		Average	mg/kg	10	< RL
T006	M020 + M021 + M022	Trial 1	mg/kg	10	< RL
		Trial 2	mg/kg	10	< RL
		Average	mg/kg	10	< RL
T007	M023 + M024	Trial 1	mg/kg	10	< RL
		Trial 2	mg/kg	10	< RL
		Average	mg/kg	10	< RL
T008	M025	Trial 1	mg/kg	10	< RL
		Trial 2	mg/kg	10	< RL
		Average	mg/kg	10	< RL
T009	M031 + M033 + M034	Trial 1	mg/kg	10	< RL
		Trial 2	mg/kg	10	< RL
		Average	mg/kg	10	< RL
T010	M035 + M036 + M037	Trial 1	mg/kg	10	< RL
		Trial 2	mg/kg	10	< RL
		Average	mg/kg	10	< RL
T011	M038 + M039 + M041	Trial 1	mg/kg	10	< RL
		Trial 2	mg/kg	10	< RL
		Average	mg/kg	10	< RL
T012	M040	Trial 1	mg/kg	10	< RL
		Trial 2	mg/kg	10	< RL
		Average	mg/kg	10	< RL

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Test No.	Material No.	Test Parameter	Unit	RL	Test Result
T013	M044 + M051 + M052	Trial 1	mg/kg	10	< RL
		Trial 2	mg/kg	10	< RL
		Average	mg/kg	10	< RL
T014	M048	Trial 1	mg/kg	10	< RL
		Trial 2	mg/kg	10	< RL
		Average	mg/kg	10	< RL
T015	M053	Trial 1	mg/kg	10	< RL
		Trial 2	mg/kg	10	< RL
		Average	mg/kg	10	< RL
T016	M054 + M055 + M057	Trial 1	mg/kg	10	< RL
		Trial 2	mg/kg	10	< RL
		Average	mg/kg	10	< RL
T017	M056	Trial 1	mg/kg	10	< RL
		Trial 2	mg/kg	10	< RL
		Average	mg/kg	10	< RL
T018	M058	Trial 1	mg/kg	10	< RL
		Trial 2	mg/kg	10	< RL
		Average	mg/kg	10	< RL
T019	M061 + M062 + M063	Trial 1	mg/kg	10	< RL
		Trial 2	mg/kg	10	< RL
		Average	mg/kg	10	< RL
T020	M064 + M065 + M066	Trial 1	mg/kg	10	< RL
		Trial 2	mg/kg	10	< RL
		Average	mg/kg	10	< RL
T021	M067	Trial 1	mg/kg	10	< RL
		Trial 2	mg/kg	10	< RL
		Average	mg/kg	10	< RL
T022	M068	Trial 1	mg/kg	10	< RL
		Trial 2	mg/kg	10	< RL
		Average	mg/kg	10	< RL
T023	M069	Trial 1	mg/kg	10	< RL
		Trial 2	mg/kg	10	< RL
		Average	mg/kg	10	< RL
T024	M070	Trial 1	mg/kg	10	< RL
		Trial 2	mg/kg	10	< RL
		Average	mg/kg	10	< RL

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

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Remark:

- * Requirements for Cadmium content according to Annex XVII Entry 23 of Regulation (EC) No 1907/2006 (REACH) and its amendments
 - Mixtures and articles produced from plastic material < 0.01 % (100 mg/kg)
 - Coated / painted articles < 0.1 % (1000 mg/kg)
 - Jewellery components < 0.01 % (100 mg/kg)
 - Paints and varnishes (excluding the applicable exemptions) < 0.01 % (100 mg/kg)

- ** Swiss requirements for cadmium content according to the Switzerland Chemikalien-Risikoreduktions-Verordnung- ChemRRV, 814.81
 - Mixtures and articles produced from plastic material < 0.01 % (100 mg/kg)
 - Articles / objects treated with paints / coating with cadmium is prohibited
 - Paints and varnishes < 0.01 % (100 mg/kg)

Sample Photos



M001



M002



M003



M004



M005



M006

- END -

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

- 1. **Scope**
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 ("TÜV Rheinland"). The Greater China here refers to Mainland China, Hong Kong and Taiwan. The client hereof includes
1.2 a natural person acting in a legal capacity, including a company, which concludes the contract for the purpose of a daily use.
1.3 the incorporated or unincorporated entity duly organized, validly existing and capable to form legally binding contracts under the applicable law.
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.
1.4 Any standard terms and conditions of the client of any nature shall not apply and shall hereby be expressly excluded. No standard contractual terms of the client shall form part of the contract even if TÜV Rheinland does not explicitly object to them.
1.5 In the event 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.
2. **Quotations**
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.
3. **Coming into effect and duration of contracts**
3.1 The contract shall come into effect for the agreed term upon the quotation letter of TÜV Rheinland or a separate contractual document being signed by both contracting parties, or upon the request by the client being carried out by TÜV Rheinland. If the client instructs TÜV Rheinland without receiving a quotation from TÜV Rheinland or TÜV Rheinland, it 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.
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.
3.3 If the contract provides for a further 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 three-month notice prior to the end of the contractual term.
4. **Scope of services**
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 contract or order by TÜV Rheinland shall be decisive for the service to be provided. Unless otherwise agreed, services beyond the scope of the service description (e.g. checking the correctness and functionality of parts, process, process or installation, organizations not listed in the service description, as well as the intended use and application of such) are not covered. In particular, no responsibility is assumed for the design, selection of materials, construction of an examined part, contract, process and plant, unless this is expressly stated in the order.
4.2 The agreed services shall be performed in compliance with the regulations in force at the time the contract is entered into.
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.
4.4 On execution of the work there shall be no simultaneous assumption of any guarantee of the correctness (including quality of work) or safety of the contract or parts thereof, 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 on which the installation is based. In particular, TÜV Rheinland shall assume no responsibility for the construction, selection of material and assembly of installations examined, nor for their use and application in accordance with regulations, unless these questions are expressly covered by the contract.
4.5 In the case of inspection work, TÜV Rheinland shall not be responsible for the accuracy or checking of the safety regulations or other legal requirements for the agreed service scope unless otherwise expressly agreed in writing.
4.6 If mandatory legal regulations and standards or official requirements for the agreed service scope affect the construction, written notice to the client, TÜV Rheinland shall be entitled to additional remuneration for resulting additional expenses.
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 a justifying confidence in the work results (test reports, test results, expert reports, etc.) is not part of the agreed services under the contract or the work results (test reports, etc.) in full or in extracts - to third parties in accordance with clause 11.4.
4.8 The client understands and agrees that in order to perform the contract with TÜV Rheinland, the client may need to sign contracts or safety agreements with other third parties and establish legal relationships with those third parties according to such contractual agreements. TÜV Rheinland shall not be responsible for the liability resulting from this contract and the direct services actually to be provided by our company in the service process. If the relevant services are not directly provided by TÜV Rheinland (including but not limited to any testing and analysis services and safety agreements with other third parties or bodies), TÜV Rheinland will provide the client as agent for such relevant services. In order to achieve the purpose of the contract, the client hereby agrees that TÜV Rheinland can also subcontract to a third party and/or any other persons for the execution of the services under the responsibility and/or risk for any services to be provided by any third parties (including but not limited to the testing and/or certification services to be entrusted and/or applied for by our company on behalf of the client for third party testing and/or certification services provided by any other third party(ies)). Besides, the client shall be liable in accordance with the relevant laws and regulations applicable to the contract and/or to the client's respective contract or annual review/surveillance of the relevant testing and/or certification service results and pay additional fees in accordance with the relevant laws and regulations or the testing and certification rules, such fees are not to be considered as part of the agreed services. In case of the obligation of such annual review/surveillance and pay the corresponding fees. If the client fails to perform such obligations of the annual review/surveillance or fees payment, it may lead to adverse consequences such as suspension/cessation of the client's services. TÜV Rheinland is not liable for any results which shall not be attributable by TÜV Rheinland.
4.9 For the services covered in the contract, if the client requires TÜV Rheinland to deliver relevant test samples, data, etc. to any overseas laboratory or other places or sites to be designated by the client, TÜV Rheinland shall not take any responsibilities or risks for any problems during such delivery and the transportation, but limited to any loss or damages of the test samples and/or the materials, etc.). Besides, the relevant freight fees shall be borne by the client.
5. **Performance periods/dates**
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 being confirmed as binding by TÜV Rheinland in writing.
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.
5.3 Articles 5.1 and 5.2 also apply, even without express agreement by the client, to all extensions of agreed performance periods of TÜV Rheinland.
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 these general terms and conditions and/or if the client has not provided TÜV Rheinland with all documents and information required for the performance of the service as specified in the contract.
5.5 If the performance of the contract 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.
5.6 If the client is obliged to comply with legal, officially prescribed and/or by the accreditor prescribed deadlines, it is the client's responsibility to agree on performance dates with TÜV Rheinland, which enables the client to comply with the legal and/or officially prescribed deadlines. TÜV Rheinland assumes no responsibility in this respect unless TÜV Rheinland has been explicitly asked to writing specifying that ensuring the deadlines is the contractual obligation of TÜV Rheinland.
6. **The client's obligation to cooperate**
6.1 The client shall guarantee that all cooperation required on his part, its agents or third parties will be provided in good time and at no cost to TÜV Rheinland.
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:
a) it has required statutory qualifications;
b) the product, service or management system to be certified complies with applicable laws and regulations; and
c) it doesn't have any illegal and dishonest behaviors or is not included in the list of Enterprises with Serious Illegal and Dishonest Acts of People's Republic of China.
If the client breaches the addressd representations and warranties, TÜV Rheinland is entitled to i) immediately terminate the contract without prior notice, and ii) withdraw the issued testing certificates if any.
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 provision of the contract or of improper cooperation from the client. Even where a fixed or maximum price is agreed, TÜV Rheinland shall be entitled to charge extra fees for such additional expense.
7. **Prices**
7.1 If the scope of performance is not laid down in writing when the order is placed, invoicing shall be based on costs including indirect costs plus a profit margin in writing, invoicing shall be made in accordance with the price list of TÜV Rheinland valid at the time of performance.
7.2 If the execution of the work is delayed or interrupted by the client or if the contract or the agreed fixed price exceeds €2,500.00 or equivalent value in local currency, TÜV Rheinland shall be entitled to demand appropriate advance payments.
8. **Payment terms**
8.1 All invoice amounts shall be due for payment within 30 days of the invoice date without deduction on receipt of the invoice. No discounts and rebates shall be granted.
8.2 Payments shall be made to the bank account of TÜV Rheinland as indicated on the invoice, stating the invoice and client numbers.
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.
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 returned claim, damages for non-performance and refuse to perform further services.
8.5 The provisions set forth in article 8.4 shall also apply in cases involving certified, cheque, cessation of payment, commencement of insolvency proceedings against the client's assets or cases in which the commencement of insolvency proceedings has been declared due to the client.
8.6 Objections to the invoices of TÜV Rheinland shall be submitted in writing within two weeks of receipt of the invoice.
8.7 TÜV Rheinland shall be entitled to demand appropriate advance payments.

- 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 trade restrictions, embargoes 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.
14. **Data protection notice**
The client understands and agrees that TÜV Rheinland processes personal data (including but not limited to personal information) of the client and its related parties (including but not limited to the supplier of the client) for the purposes of fulfilling the contract. The client confirms that it has reviewed the content of the data subject, which includes TÜV Rheinland to access, use, or process the personal data that the client collected or processed by itself and transferred to TÜV Rheinland. For certain services, we may also process sensitive personal data. TÜV Rheinland will use and process data in accordance with applicable laws and regulations. If any personal data is disclosed or transferred to any third party or any overseas party outside of the district in which the personal data was collected, the client also confirms that it has given its prior consent of the data subject. TÜV Rheinland will carry out cross-border data transmission and protect the data in compliance with the privacy and personal data security related laws and regulations in China and the local country. TÜV Rheinland will take measures to avoid any leakage, abuse, manipulation, damage or unauthorized access of personal data. The personal data will be deleted immediately as soon as a corresponding request for deletion arises. Data subjects may exercise the following rights: right of information, right of decision, 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 information. You can contact the Group Data Protection Officer of TÜV Rheinland at e-mail of dataprotection@tuv.com or by post at the following address: TÜV Rheinland AG, c/o Group Data Protection Officer, Am Grauen Stein, 51105 Cologne, Germany.
15. **Retention of test material and documentation**
15.1 The test samples submitted by the client to TÜV Rheinland for testing will be scrapped following testing or will be returned to the client at the client's expense. The only exceptions are test samples, which are placed in storage on the basis of statutory regulations or of another agreement with the client.
15.2 Charges apply if the test samples are stored at the premises of TÜV Rheinland. The cost of placing a test sample into storage will be disclosed to the client in the quotation.
15.3 If relevant test samples or documents are given to the client to be placed in storage at their premises, the reference 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 reference samples and/or documentations, 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 void.
15.4 The retention period for the documentation shall be 10 (ten) years after the expiry of the test mark certificates or shall meet the applicable legal requirements for EU/EEC certificates of conformity and GS mark certificates.
15.5 The costs of the handover and dispatch of the test samples for storage on the client's premises are borne by the client. TÜV Rheinland will be liable for the loss of test samples or reference samples from the laboratories or warehouses of TÜV Rheinland only in case of gross negligence.
16. **Termination of the contract**
16.1 Notwithstanding clause 3.3 of the GTBCB, TÜV Rheinland and the client are entitled to terminate the contract at its expiry or, in the case of services continued in one contract, each of the combined contracts, if the client or TÜV Rheinland terminates the contract individually or if the remaining duration with six (6) months' notice to the end of the contractually agreed term. The notice period shall be shortened to 30 (thirty) days in case of TÜV Rheinland is prevented from performing the services due to loss or suspension of its accreditation or notification.
16.2 For good causes, TÜV Rheinland may consider giving a written notice to the client to terminate the contract if the client fails to pay the relevant service fees for the services provided by TÜV Rheinland due to the termination date of the contract. The address of good causes includes but not limited to the following:
a) the client does not reasonably bear the consequences of changes in the conditions within the company which are relevant for certification or signs of such changes;
b) the client misuses the certificate or certification mark or uses it in violation of the contract;
c) the client incurs several consecutive delays in payment to TÜV Rheinland;
d) a substantial deterioration of the financial circumstances of the client occurs and as a result the payment of TÜV Rheinland under the contract are considerably endangered and TÜV Rheinland cannot reasonably expect to continue to be paid;
e) in the event of any serious misrepresentation, be it by intentional fraud or grossly negligent;
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 service, e.g. in case of force majeure, government restrictions or sanctions;
g) if the country/region involved in the whole contract or the specific service project in the contract does not belong to the insurance coverage area of TÜV Rheinland; and TÜV Rheinland is not covered by the insurance coverage of TÜV Rheinland;
h) there is a risk or some risks beyond its control to cause a claim for damages exist. In this case, the client shall own 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 increase of the time windows for auditing / service provision provided by TÜV Rheinland with 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.
16.3 Force Majeure
The Parties are deemed 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, and if to the extent that that Party proves:
(a) that such impediment is beyond its reasonable control; and
(b) that it acted reasonably and was not responsible for its failure to perform the contract; and
(c) that the effects of the impediment could not reasonably have been avoided or overcome by the affected Party.
16.4 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), insurrection, invasion, armed conflict, general labor disturbance such as boycott, strike and lock-out, rebellion and revolution, military or usurped power, insurrection, act of terrorism, sabotage or piracy, (ii) currency and trade restriction, embargo, sanction; (iii) act of authority whether lawful or unlawful, compliance with any law or governmental regulation, security of works, security of works, regulation, nationalization, (iv) plague, epidemic, natural disaster or extreme natural event, (v) explosion, fire, destruction of equipment, prolonged break-down of transport, telecommunication, information system or energy, (vi) general labor disturbance such as boycott, strike and lock-out, go-slow, occupation of factories and premises.
16.5 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 given without delay. If notice therein is not given within the time limit, 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 or event impedes performance by the affected Party. Where the effect of the impediment or event 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 notifying within a reasonable period of time after the occurrence of the event. The Parties expressly agree that the contract may be terminated by either Party if the duration of the impediment exceeds 120 days.
17. **Hardship**
17.1 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.
17.2 Notwithstanding paragraph 1 of this Clause, where a Party proves that:
(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
(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.
17.3 Where Clause 18.2 applies, but where the Parties have been unable to agree alternative contractual terms as provided in that paragraph, 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.
18. **Partial invalidity, written form, place of jurisdiction and dispute resolution**
18.1 All amendments and supplements must be in writing in order to be effective. This also applies to amendments and supplements to clauses 11.2, 11.3, 11.4 and 11.5.
18.2 In the event of partial invalidity of any 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.
18.3 Unless otherwise stipulated in the contract, the governing law of the contract and these terms and conditions shall be construed following the rules as below:
18.4 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.
18.5 In the case of TÜV Rheinland being 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 the Republic of China.
18.6 In the case of TÜV Rheinland being 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.
18.7 Any dispute in connection with the contract and these terms and conditions or the execution thereof shall be settled finally through negotiations.
18.8 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 referred to arbitration.
18.9 In the case of TÜV Rheinland in question being legally registered and existing in the People's Republic of China, to China International Economic and Trade Arbitration Commission (CIETAC) or to a mutually agreed arbitration institution in the People's Republic of China.
18.10 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.
18.11 In the case of TÜV Rheinland being legally registered and existing in Hong Kong, to Hong Kong International Arbitration Centre (HKIAC) to be arbitrated in Hong Kong by the HKIAC Administered Arbitration Rules. The arbitration shall take place in Hong Kong.
18.12 The arbitration shall take place in Hong Kong.
18.13 The decision of the relevant arbitration tribunal shall be final and binding on both parties. The arbitration fee shall be borne by the losing party.