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Client: ONE FOR FUN LIMITED

Contact Information: 3-5 Cambuslang Way, Gateway Office Park, Cambuslang, Glasgow, G32

8ND

Manufacturer's name: USD068

**Test item(s):** Toys

Identification/MICRO FIDGETZModel No(s):Item no.: SV21557

Sample obtaining method: Sending by customer

**Condition at delivery:** Test item complete and undamaged.

Sample Receiving date: 2023-03-03

**Testing Period:** 2023-03-06 to 2023-03-27

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:
Country of Origin: China

The provided age grade of the item(s): 3+

As per client request, the item(s) was/ were tested for the age of over 3 years.

Packaging provided: Artwork

For and on behalf of TÜV Rheinland Hong Kong Ltd.

Amenda Yung/

Senior CS Manager

00.00

Wong Yiu Tong , Tommy/

2023-03-28

Senior Lab Manager

Date Name/Position

2023-03-28

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.



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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 71-2:2020 Flammability	PASS
5 EN 71-3:2019+A1:2021 Migration of 19 Elements	PASS
6 Cadmium content according to Annex XVII Entry 23 of Regulation (EC) No 1907/2006 and its amendments	PASS
7 REACH regulation (EC) No. 1907/2006 and its amendment regulations on Annex XVII entry 51 and entry 52 : Phthalates	PASS
8 BS EN 71-1:2014+A1:2018 Mechanical and physical properties	PASS
9 UKCA marking	Refer to result page
10 UK Importer Name and Address	Refer to result page
11 BS EN 71-2:2020 Flammability	PASS
12 BS EN 71-3:2019+A1:2021 Migration of 19 Elements - with reference to 2009/48/EC and its amendments	PASS



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**Material List:** 

Item: MICRO FIDGETZ

Item no.: SV21557

Material No.	Material	Color	Location
M001	Whole Product	Multicolor	Whole product
M002	Coating	Pink	Pattern of twist dice
M003	Coating	Yellow	Pattern of twist dice
M004	Coating	Orange	Pattern of twist dice
M005	Coating	Purple	Pattern of twist dice
M006	Coating	Green	Pattern of twist dice
M007	Coating	Blue	Pattern of twist dice
M008	Coating	Black	Pattern of football
M009	Plastic	Orange	Pad
M010	Plastic	Green	Pad
M011	Plastic	Translucent purple	Ball
M012	Plastic	Translucent blue	Ball
M013	Plastic	Deep purple	Soft strap
M014	Plastic	Blue	Bear
M015	Plastic	Fuchsia	Cat
M016	Plastic	Green	Sound tube
M017	Plastic	Blue	Sound tube
M018	Plastic	Fuchsia	Spring
M019	Plastic	Green	Spring
M020	Plastic	Dull red	Strap
M021	Plastic	Dull yellow	Strap
M022	Plastic	White	Twist dice, Handle of football
M023	Plastic	Yellow	Fidget spinner
M024	Plastic	Orange	Fidget spinner
M025	Plastic	Deep blue	Fidget spinner
M026	Plastic	Dull whtie	Football
M027	Plastic	Dark blue	Inner fidget spinner, football
M028	Plastic	Transparent	Cover of container



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M029 Plastic Blue Body of container					



## 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
4.20 Acoustics	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:

- ^ The manufacturer/trader/applicant has provided the artwork for assessment in this test report.
- \*\* Only the DE,EN 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

## Remark:

^ The manufacturer/trader/applicant has provided the artwork for assessment in this test report.



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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)+	Present (Packaging)
Product Identification - type, batch, serial or model number+	Present (Packaging)
Washing/ Cleaning instruction ^	Not Applicable

## Remark:

- \*\* The manufacturer/trader/applicant has provided the artwork for assessment in this test report.
- + 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 71-2:2020 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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## 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.

## 3) For scraped-off toy materials:

## **Test Result:**

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

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

Abbreviation:

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mg/kg denotes milligram per kilogram

mg denotes milligram



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## **Test Result:**

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

Abbreviation:

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## **Test Result:**

			T010	T011	T012	
			Material No.	M011	M012	M013
Test Parameter	Unit	RL	Regulatory	Result	Result	Result
			Requirement			
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:

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mg denotes milligram



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## **Test Result:**

			Test No.	T013	T014	T015
			Material No.	M014	M015	M016
Test Parameter	Unit	RL	Regulatory	Result	Result	Result
			Requirement			
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:

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mg/kg denotes milligram per kilogram

mg denotes milligram



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## **Test Result:**

			Test No.	T016	T017	T018
			Material No.	M017	M018	M019
Test Parameter	Unit	RL	Regulatory	Result	Result	Result
			Requirement			
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	3.4	< 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:

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mg denotes milligram



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## **Test Result:**

			Test No.	T019	T020	T021
			Material No.	M020	M021	M022
Test Parameter	Unit	RL	Regulatory	Result	Result	Result
			Requirement			
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:

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mg denotes milligram



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## **Test Result:**

			Test No.	T022	T023	T024
			Material No.	M023	M024	M025
Test Parameter	Unit	RL	Regulatory	Result	Result	Result
			Requirement			
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:

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## **Test Result:**

			Test No.	T025	T026	T027
			Material No.	M026	M028	M029
Test Parameter	Unit	RL	Regulatory	Result	Result	Result
			Requirement			
Aluminium (AI)	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	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	< 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

## 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.
- \*\* For any test portion containing grease, oil, wax or similar material, such materials would has been removed with isooctane by using Soxhlet extraction.
- \*\*\*\* The highlighted result was found to be more than the maximum permissible limit.
- # 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.Total Cadmium Content**

Test Method: EN 1122:2001 (method B)

## **Test Result:**

Test No.	Material No.	Test Parameter	Unit	RL	Test Result
		Trial 1	mg/kg	10	< RL
T001	M002	Trial 2	mg/kg	10	-
		Average	mg/kg	10	-
		Trial 1	mg/kg	10	< RL
T002	M003	Trial 2	mg/kg	10	-
		Average	mg/kg	10	-
		Trial 1	mg/kg	10	< RL
T003	M004	Trial 2	mg/kg	10	-
		Average	mg/kg	10	-
		Trial 1	mg/kg	10	< RL
T004	M005	Trial 2	mg/kg	10	-
		Average	mg/kg	10	-
		Trial 1	mg/kg	10	< RL
T005	M006	Trial 2	mg/kg	10	-
		Average	mg/kg	10	-
		Trial 1	mg/kg	10	< RL
T006	M007	Trial 2	mg/kg	10	-
		Average	mg/kg	10	-
		Trial 1	mg/kg	10	< RL
T007	M008	Trial 2	mg/kg	10	-
		Average	mg/kg	10	-
	M009 +	Trial 1	mg/kg	10	< RL
T008	M010 +	Trial 2	mg/kg	10	-
	M011	Average	mg/kg	10	-
	14040	Trial 1	mg/kg	10	< RL
T009	M012 + M013	Trial 2	mg/kg	10	-
	WOTO	Average	mg/kg	10	-
		Trial 1	mg/kg	10	< RL
T010	M014 + M015	Trial 2	mg/kg	10	-
	l lile i e	Average	mg/kg	10	-
	14040	Trial 1	mg/kg	10	< RL
T011	M016 + M017	Trial 2	mg/kg	10	-
	IVIOTA	Average	mg/kg	10	-
	M018 +	Trial 1	mg/kg	10	< RL
T012	M019 +	Trial 2	mg/kg	10	-
	M020	Average	mg/kg	10	-



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Test No.	Material No.	Test Parameter	Unit	RL	Test Result
	M021 +	Trial 1	mg/kg	10	< RL
T013	M022 +	Trial 2	mg/kg	10	-
	M023	Average	mg/kg	10	-
	M024 +	Trial 1	mg/kg	10	< RL
T014	M025 +	Trial 2	mg/kg	10	-
	M026	Average	mg/kg	10	-
		Trial 1	mg/kg	10	< RL
T015	M027	Trial 2	mg/kg	10	-
		Average	mg/kg	10	-
		Trial 1	mg/kg	10	< RL
T016	M028 + M029	Trial 2	mg/kg	10	-
	101020	Average	mg/kg	10	-

**Abbreviation:** < = less than

RL = Reporting Limit

mg/kg = milligram per kilogram

## 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)



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## 7.Phthalates content

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

## **Test Result:**

		Т	est No.	T001	T002	T003
		rial No.	M002 +	M005 +	M007 +	
				M003 +	M006	M008
Test Parameter	CAS NO	Unit	RL	M004 Result	Result	Result
Diethylhexyl phthalate (DEHP)	117-81-7	%	0.005	< RL	< RL	< RL
Dibutyl phthalate (DBP)	84-74-2	<del>//</del> 0	0.005	< RL	< RL	< RL
Benzylbutyl phthalate (BBP)	85-68-7	<del>%</del>	0.005	< RL	< RL	< RL
, , ,						
Diisobutyl phthalate (DIBP)	84-69-5	%	0.005	< RL	< RL	< RL
Sum (DEHP+DBP+BBP+DIBP)	-	%	0.005	<rl< td=""><td><rl< td=""><td><rl< td=""></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""></rl<></td></rl<>	<rl< td=""></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< td=""><td><rl< td=""><td><rl< td=""></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""></rl<></td></rl<>	<rl< td=""></rl<>
Conclusion: REACH regulation (EC) No amendment Annex XVII entries 51 and 8		nd its		Pass	Pass	Pass
		Т	est No.	T004	T005	T006
		Mate	rial No.	M009 +	M012 +	M014 +
	_			M010 + M011	M013	M015
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< td=""><td><rl< td=""><td><rl< td=""></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""></rl<></td></rl<>	<rl< td=""></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< td=""><td><rl< td=""><td><rl< td=""></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""></rl<></td></rl<>	<rl< td=""></rl<>
Conclusion: REACH regulation (EC) No amendment Annex XVII entries 51 and	1	Pass	Pass	Pass		



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			est No.	T007 M016 +	T008	T009
	Material No.					M021 +
				M017	M019 +	M022 +
					M020	M023
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< td=""><td><rl< td=""><td><rl< td=""></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""></rl<></td></rl<>	<rl< td=""></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< td=""><td><rl< td=""><td><rl< td=""></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""></rl<></td></rl<>	<rl< td=""></rl<>
Conclusion: REACH regulation (EC) No amendment Annex XVII entries 51 and		nd its		Pass	Pass	Pass
		Т	est No.	T010	T011	T012
Material No.					M027	M028 + M029
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

				MU25 +		M029
				M026		
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< td=""><td><rl< td=""><td><rl< td=""></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""></rl<></td></rl<>	<rl< td=""></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< td=""><td><rl< td=""><td><rl< td=""></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""></rl<></td></rl<>	<rl< td=""></rl<>
Conclusion: REACH regulation (EC) No amendment Annex XVII entries 51 and 8	Pass	Pass	Pass			

**Abbreviation:** < = less than

RL = Reporting Limit % = percentage

## Remark:

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



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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.)
- 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;
- 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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## 8. BS EN 71-1:2014+A1:2018 Mechanical and physical properties

	Test No: T001	
Mat	terial No: M001	
4. General requirements	<u>'</u>	
4.1 Material cleanliness	PASS	
4.7 Edges	PASS	
4.8 Points and metallic wires	PASS	
4.20 Acoustics	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:

- ^ The manufacturer/trader/applicant has provided the artwork for assessment in this test report.
- \*\* Only the DE,EN 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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## 9. UKCA marking

## Test result:

Test No:	T001
Material No:	M001
UKCA-marking	Present (Packaging)

## Remark:

§ The assessment was made in accordance to the "Guidance - Using the UKCA mark from 1 January 2021" as published on 1 September, 2020.

^ The manufacturer/trader/applicant has provided the artwork for assessment in this test report.



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## 10.UK Importer Name and Address

## **Test Result:**

Test No:	T001
Material No:	M001
UK Importer Name and Address	Present (Packaging)

## Remark:

According to Toys (Safety) Regulations 2011: Guidance (GB) published by Department for Business, Energy and Industrial Strategy in November 2020, starting from 1 January 2021, importers have legal obligations checking that manufacturers have included their (the importer's) name, registered trade name or mark and a postal address on the toy or on its packaging or in accompanying documentation.

To assist with the transition, the UK is applying a transitional period ending on 31 December 2025 to allow that the details being shown on the accompanying documentation or packaging as an alternative to placing them on the toy.

^ The manufacturer/trader/applicant has provided the artwork for assessment in this test report.



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## 11. BS 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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# 12. BS EN 71-3:2019+A1:2021 Migration of 19 Elements – with reference to 2009/48/EC and its amendments

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

LC-ICP-MS.

## 3) For scraped-off toy materials:

## **Test Result:**

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

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:**

			T004	T005	T006	
			M005	M006	M007	
Test Parameter	Unit	RL	Regulatory	Result	Result	Result
			Requirement			
Aluminium (Al)	mg/kg	10	28,130	-	-	-
Antimony (Sb)	mg/kg		560	-	-	-
Arsenic (As)	mg/kg		47	-	-	-
Barium (Ba)	mg/kg		18,750	-	-	-
Boron (B)	mg/kg		15,000	-	-	-
Cadmium (Cd)	mg/kg		17	-	-	-
Chromium III (Cr(III))	mg/kg	10	460	-	-	-
Chromium VI (Cr(VI))	mg/kg		0.053	-	-	-
Cobalt (Co)	mg/kg		130	-	-	-
Copper (Cu)	mg/kg		7,700	-	-	-
Lead (Pb)	mg/kg		23	-	-	-
Manganese (Mn)	mg/kg		15,000	-	-	-
Mercury (Hg)	mg/kg		94	-	-	-
Nickel (Ni)	mg/kg	2.5	930	-	-	-
Selenium (Se)	mg/kg	10	460	-	-	-
Strontium (Sr)	mg/kg		56,000	-	-	-
Tin (Sn)	mg/kg	1.0	180,000	-	-	-
Organic Tin^	mg/kg		12	-	-	-
Zinc (Zn)	mg/kg	10	46,000	-	-	-
Mass of trace amount #	mg			<10	<10	<10

Abbreviation: <

less than

RL = Reporting Limit

mg/kg denotes milligram per kilogram

mg denotes milligram



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## **Test Result:**

			T007	T008	T009	
			M008	M009	M010	
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result
Aluminium (Al)	mg/kg	10	28,130	-	< RL	< RL
Antimony (Sb)	mg/kg	5	560	-	< RL	< RL
Arsenic (As)	mg/kg	5	47	-	< RL	< RL
Barium (Ba)	mg/kg		18,750	-	< RL	< RL
Boron (B)	mg/kg	10	15,000	-	< RL	< RL
Cadmium (Cd)	mg/kg	1	17	-	< RL	< RL
Chromium III (Cr(III))	mg/kg	10	460	-	< RL	< RL
Chromium VI (Cr(VI))	mg/kg		0.053	-	< RL	< RL
Cobalt (Co)	mg/kg		130	-	< RL	< RL
Copper (Cu)	mg/kg		7,700	-	< RL	< RL
Lead (Pb)	mg/kg		23	-	< RL	< RL
Manganese (Mn)	mg/kg		15,000	-	< RL	< RL
Mercury (Hg)	mg/kg	2.5	94	-	< RL	< RL
Nickel (Ni)	mg/kg		930	-	< RL	< RL
Selenium (Se)	mg/kg	10	460	-	< RL	< RL
Strontium (Sr)	mg/kg		56,000	-	< RL	< RL
Tin (Sn)	mg/kg	1.0	180,000	-	< RL	< RL
Organic Tin^	mg/kg	0.2	12	-	-	-
Zinc (Zn)	mg/kg	10	46,000	-	< RL	< RL
Mass of trace amount #	mg			<10	-	-

Abbreviation: < less than

RL = Reporting Limit

mg/kg denotes milligram per kilogram

mg denotes milligram



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## **Test Result:**

			T010	T011	T012	
			M011	M012	M013	
Test Parameter	Unit	RL	Regulatory	Result	Result	Result
			Requirement			
Aluminium (AI)	mg/kg	10	28,130	< RL	< RL	< RL
Antimony (Sb)	mg/kg		560	< RL	< RL	< RL
Arsenic (As)	mg/kg		47	< RL	< RL	< RL
Barium (Ba)	mg/kg		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		460	< RL	< RL	< RL
Chromium VI (Cr(VI))			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		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



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## **Test Result:**

			T013	T014	T015	
			M014	M015	M016	
Test Parameter	Unit	RL	Regulatory	Result	Result	Result
			Requirement			
Aluminium (AI)	mg/kg	10	28,130	< RL	< RL	< RL
Antimony (Sb)	mg/kg		560	< RL	< RL	< RL
Arsenic (As)	mg/kg		47	< RL	< RL	< RL
Barium (Ba)	mg/kg		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		460	< RL	< RL	< RL
Chromium VI (Cr(VI))			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		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



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## **Test Result:**

			T016	T017	T018	
			Material No.	M017	M018	M019
Test Parameter	Unit	RL	Regulatory	Result	Result	Result
			Requirement			
Aluminium (AI)	mg/kg	10	28,130	< RL	< RL	< RL
Antimony (Sb)	mg/kg		560	< RL	< RL	< RL
Arsenic (As)	mg/kg		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		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	3.4	< 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



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## **Test Result:**

			T019	T020	T021	
			M020	M021	M022	
Test Parameter	Unit	RL	Regulatory	Result	Result	Result
			Requirement			
Aluminium (AI)	mg/kg		28,130	< RL	< RL	< RL
Antimony (Sb)	mg/kg		560	< RL	< RL	< RL
Arsenic (As)	mg/kg		47	< RL	< RL	< RL
Barium (Ba)	mg/kg		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		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



**Test Report No.: 158267569a 001** Page 34 of 36

## **Test Result:**

			T022	T023	T024	
			M023	M024	M025	
Test Parameter	Unit	RL	Regulatory	Result	Result	Result
			Requirement			
Aluminium (Al)	mg/kg		28,130	< RL	< RL	< RL
Antimony (Sb)	mg/kg		560	< RL	< RL	< RL
Arsenic (As)	mg/kg		47	< RL	< RL	< RL
Barium (Ba)	mg/kg		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		0.053	< 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		23	< RL	< RL	< RL
Manganese (Mn)	mg/kg		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



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## **Test Result:**

			Test No.	T025	T026	T027
			M026	M028	M029	
Test Parameter	Unit	RL	Regulatory	Result	Result	Result
			Requirement			
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

## Remark:

- \* Categorization of toys materials is based on the material texture. According to point H.11 of Annex H to 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.
- For any test portion containing grease, oil, wax or similar material, such materials would has been removed with isooctane by using Soxhlet extraction.
- \*\*\*\* The highlighted result was found to be more than the maximum permissible limit.
- # According to BS 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.

TÜV Rheinland Hong Kong Ltd.·3-4/F.,Fou Wah Industrial Building,10-16 Pun Shan Street,Tsuen Wan,New Territories,Hong Kong Tel.: (852) 2192 1000 Fax: (852) 2192 1003 Mail: service-gc@tuv.com · Web: www.tuv.com

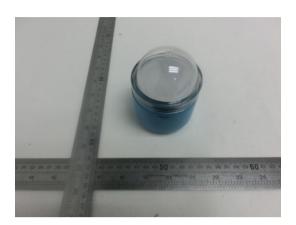


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## Sample Photos





- END -



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

Scope
These General Terms and Conditions of Business of TÜV Rhenland in Greater China ("CTCB") is made between the client and one or more member entities of TÜV Rhenland. In Greater China as applicable as the case may be ("TÜV Rhenland"). The Greater China here fere first Inhalland China, Hong Kong and Taiwan. The client hereof Includes:

a natural person capable to form legsly briding contracts under the applicable laws who concludes the contract not for the purpose of a daily use.

The contract of the purpose of a daily use.

The showing terms and conditions apply to agreed services including consultancy services, information, delevers and similar services as well as an actifically services and other secondary information, delevers and similar services as well as an actifically services and other secondary. Any standard terms and conditions of the client of any nature shall not apply and shall hereby be expressly exclude. No standard contractal terms and conditions of the client of any nature shall not apply and shall hereby be expressly exclude. No standard contractal terms and conditions of the client all form part of the contract even if TÜV Rheinland does not explicitly object to them.

In the contact of an ongoing business reliativiship with the client, this CTCB shall also apply to individual case.

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.

## Coming into effect and duration of contracts

Coming into effect and duration of contracts

The contract shall once his offect for the agreed terms upon the quotation letter of TUV Rheinland or a separate contractual document being signed by both contracting parties, or upon the works requested by the client being care their parties of the contraction of the co

3.3

## Scope of services

Scope of services

The scope and type of the services to be provided by TUV. Rhankand shall be specified in the contractually agreed services scope of TUV Rhankand exists, then the written confirmation of code by TUV. Rhankand shall be some scope of TUV Rhankand exists, then the written confirmation of order by TUV Rhankand shall be decisive for the service to be provided. Unless otherwise agreed, services beyond the scope of the translation of such that the service description, as well as the intended use and application of such) are not owned. In particular, no responsibility is assumed for the design services of the service description, as well as the intended use and application of such) are not resided use of an examined part, product, process or plant. The agreed services shall be performed in compliance with the regulations in force at the time the contract is enterined stilled to determine, in at so de describent, the method and nature of the assessment unless otherwise agreed in writing or if mendatory provisions require a specific procedure to be followed; the service of the workly and working order of either tested or examined parts nor of the installation as some with and supplication in accordance with regulations, unless these questions are expressed yourself or the workly and working order of either tested or examined parts nor of the installation is shorted and its upstream and/or downstream processes, organisations, use and application in accordance with regulations, unless these questions are expressly covered by the contract.

4.3

particular, TÜV Rheinland hall assume no responsibility for the construction, selection of materials and assentity of installations examined, not be there used an application in accordance with regulations, unless these questions are expressly covered by the occurrance of the control of the case of the properties of the control of the case of the control of the control of the case of the

5.1 5.2

5.3

Performance periods/dates

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 TUR Perheland in writing, das hall not commence until the Internal Periods of the periods of agreed periods/dates of performance not caused by TUV Rheinland.

Articles 5.1 and 5.2 also apply, even whole vegrees approval by the cellent, to all extensions of agreed periods/dates of performance not caused by TUV Rheinland. TUV Rheinland in the report of the periods of the period of the periods of t

bite the client to comply with the legal and/or officially prescribed deadlines. TOV Rheinland urnes no responsibility in this respect unless TÜV Rheinland expressly agreed in writing clically stating that ensuring the deadlines is the contractual obligation of TÜV Rheinland.

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.

provided in good time and at no cost to TUV Rheinland.

Bedgin document, applies, suality at the c. recessary for performance of the services shall be bedgin document, applies, analysis, at the c. recessary for performance of the services shall be bedgin of the common of the client must be undertaken in accordance with legic provisions. Standards, safety regulations and accident prevention instructions. And the client represents and warrants that:

a) It has required statistically qualifications;
b) the product, service or management system to be certified complies with of the common of the common

Prices

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 is sto TIV Priheinland valid at the time of performance. Unless otherwise agreed, work shall be invoiced according to the progress of the work.

Unless otherwise agreed, work shall be invoiced according to the progress of the work. If the execution of an order decides over more than one month and the value of the contract or the agreed facel price exceeds C2,200.00 or equivalent value in local currency, TUV Rheinland may demand payments on account or in establishments. 7.2 7.3

## Payment terms

invoice amounts shall be due for payment within 20 days of the invoice date without deduction receipt of the micros. No discounts and receipts of the micros. No discounts and receipts of the micros and client microse and client microse. If VID Prelandand shall be midrot to client feeding it reserves the client of the microse and client microse. If VID Prelandand shall be netted to client feeding it reserves the client of the microse that the microse the microse that the microse the microse the microse that the microse the microse that the microse the microse the microse that the microse the microse that the microse the microse that the microse the microse the microse that the microse the microse that the microse the microse the microse that the microse the microse the microse the microse that the microse the microse that the microse the microse the microse that the microse the microse that the microse the microse the microse that the microse the microse the microse that the microse the microse that the microse the microse that the microse the microse the microse that the microse the microse that the microse the microse the microse the microse that the microse the mic

untry where TDV Rheirland is located. At the same sure, ILV international manufacture damages, outsit the client default in payment of the invoice despite being granted a reasonable grace rout TDV Rheinland shall be entitled to cancel the contract, withdraw the certificate, claim regies for non-performance and relates to continue performance of the contract, under the contract of the contract.

Season of payment, commencement of insolvency proceedings against the claim's assets or see in which the commencement of insolvency proceedings has been dismissed due to lock of

assets.

Objections to the invoices of TÜV Rheinland shall be submitted in writing within two weeks of receipt of the invoice.

TÜV Rheinland shall be entitled to demand appropriate advance payments.

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 shall come into feel to purchase or the contract of the shall come into feel (print of notice of changes in fees). Then their lines 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. 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.

Only legally established and undisputed claims may be offset against claims by TÜV Rheinland. TÜV Rheinland shall have the right at all times to setoff any amount due or payable by the client including but not limited to setoff against any fees paid by the client under any contracts, agreement and/or orders/quotations reached with TÜV Rheinland.

9.1

Any part of the work result ordered which is complete in itself may be presented by TUV Rheinland for acceptance as an installment. The client shall be obliged to accept it immediately. The client shall be obliged to accept it immediately. The client shall be obliged to accept it immediately. The client is not client shall be obliged to accept the street of the work. Vertice the client related be taken place two (2) weeks after completion and handower of the work. Vertice the client related acceptance within this period stating at least one furnimental breach of contract by TUV Pheinland. The client is not entitled to breaks exceptance due to inspirificant breach of contract by TUV. 9.2 9.3

9.4

The client is not entitled to instale acceptance due to insignment orderen or curieux by Livi Proheistand.

In excluded according to the nature of the work performance of TÜV Rheinland, the completion of the work shall take its place.

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 surveitance subsky) or if the client 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 witatiosever or only a considerably lower damage than the above turns sum. Insolder as the client has undertaken in the contract to score services. TÜV Rheinland shall also be 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. 9.5

9.6

10.2

10.1

Confidentiality

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, reported, coursents, principa of the condition of the conditi

documentation purposes required by laws, regulations and the requirements of working procedures of TUP Rheinland. 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 secrecy of all confidential information and shall not disclose this information to any thirt parties or use if for itself.

## Copyrights and rights of use, publications

TÜV Rheinland shall retain all exclusive copyrights in the reports, expert reports/opinions, test reports/results, results, caciutations, 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

11.2 11.3

11.4

otherwise agreed by the parties in a sequence of the contraction of the contract of the contra

## Liability of TÜV Rheinland

Liability of TÜV Rheinland irrespective of the legal basis, to the fullest extent permitted by applicable law, in the event of a breach of contractan obligations or bot, the faibility of TÜV Rheinland for all damages, losses and shall be initied to. (i) in the case of a contract win a fixed overall fee, three times the overall fee for the entire contract. (ii) in the case of a contract or that sked overall fee, three times the overall fee for the entire contract. (ii) in the case of a contract or the sked overall fee, three times the overall fee for the entire contract. (ii) in the case of a contract or the sked overall fee, three times the sked as a sked of a contract or shall be sked overall fee, three times of the feet to applicate order under which the damages or losses have occurred. Note this sked only the sked overall feet to the individual order under which the damages or losses have occurred. Note this sked of the sked of the sked overall feet to the sked of the sked of the sked overall feet to the sked of the sked of the

breach (reasonably foreseeable damages), urless any of the circumsuress beaution in the 12-2 applies.

12-2 applies.

12-2 applies.

13-2 applies.

15-2 applies.

15-3 applies.

15-3 applies.

15-4 applies.

16-4 app 12.5

Unless otherwise contractually agreed in writing, TÜV Rheinland shall only be liable under the contract to the clent.

The limitation periods for claims for damages shall be based on statutory provisions. None of the provisions of this article 12 changes the burden of proof to the disadvantage of the client. 12.6 12.7

## Export control

12.2

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.

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 embargos 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 incured thereof by TÜV Rheinland.

Data protection notice

The client understands and agrees that TIV Rheinland processes personal data (including but not have a controlled to the control of the client understands and agrees that TIV Rheinland processes personal data (including but not have been also also as a controlled to the client controlled to the client controlled to the client controlled to the controlled to the client controlled to the controlled to the client controlled to the contro

## Retention of test material and documentation

15.3

Retention of test material and documentation.

The test samples southhelds by the cent to TÜV Rheinland for testing will be scrapped following testing or will be returned to the client at the client's openies. The only exceptions are test samples, which are placed in storage on the basis of statutory regulations or of another agreement with the client.

If reference samples are stored at the premises of TÜV Rheinland. The cost of placing a test sample for storage with be disclosed to the client in the outstion.

If reference samples or documentations are given to the client to be placed in storage at their premises, the reference samples or concumentations are the made available to TÜV Rheinland of making available the reference samples and/or concentrations are visit to the placed in storage at their premises, the reference samples and/or documentation, any liability claims for material and pecuniary damage resulting from the respective testing and certification bat is brought forward by the client against TÜV Rheinland shall be voloide.

Given the cost of the hardower and dispatch of the test samples for storage on the client's premises are cost of the hardower and dispatch of the test samples for storage on the client's premises are the costs of the hardower and dispatch of the test samples for storage on the client's premises are

15.4 15.5

16.2

Termination of the contract

Notehtstanding clause 3.3 of the GTCB, TUV Rheinland and the clear are entitled to terminate the contract in the entirety of, in the case of services combined in one contract, each of the contract and the clear of the contract individually and independently of the contraction of the remaining services with as (8) morehts rodge to the end of the contraction of the remaining services with as (8) morehts rodge to the end of the contraction of the remaining services with as (8) morehts rodge to the end of the contraction of the contr

entant in escape of a reference of monthing audite). Calculare the above accordingly.

Force Migure

Hardship

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

more corrows than could reasonably have been anticipated at the time of the conclusion of the Nobellhatandrop anapagin 1 of this Clause, where a Party proves that:

(ii) the continued performance of its contradual duties has become excessively orenous due to an event beyond in seasonable control which it could not reasonably have been expected to (b) it could not reasonably have been expected to (b) it could not reasonably have been expected to (c) it could not reasonably have avoided or overcome the event of its consequences, the Parties are bound, within a reasonable time of the invocation of the Clause, to negotiate alternative contractals terms which reasonably allow to overcome the consequences of the event.

Contractals terms a provided in that paragraph, the Party involving the Clause is entitled to terminate the contract, but cannot request adaptation by the judge or arbitrator without the agreement of the other Party.

## Partial invalidity, written form, place of jurisdiction and dispute resolutio

19.2

Partial invalidity, written form, place of jurisdiction and dispute resolution
All amendments and supplements must be in withing in order to be effective. This also applies to
amendments and supplements must be in withing in order to be control to the control of the control o

If TUT Rhenland in question is legally registered and existing in Hosp governed by the laws of beneby agree that the contract and these terms and contracts what the contract and these terms and contracts with the contract and these terms and contracts shall be governed by the laws of brong force.

If TUT Rhenland in question is legally registered and existing in Hosp Kong, the contract and these terms and conditions shall be governed by the laws of brong Kong.

Unless otherwise stipulated in the contract, and hose terms and conditions or the execution thereof shall be settled friendly through negligations.

Unless otherwise stipulated in the contract, if no settlement or no agreement in respect of the the dispose that be submitted:

in the case of TUV Rhenland in question being legally registered and existing in the Popule's Republic of China. to Chran International Economic and Time-Anthention Commission (CETAC) to submitted. The exhibitation shall take place in Belling, Shanghai, Sheruthen or Chonging as appropriately chosen by the claiming pales of the population and take place in Special and existing in Takeno. In the case of TUV Rhenland heing legally registered and existing in Tolland. In the case of TUV Rhenland heing legally registered and existing in Tolland. In the case of TUV Rhenland heing legally registered and existing in Hong Kong, to thought the contract of the contra