

Report No.: **158281508a 001**

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Client: DEPESCHE VERTRIEB GMBH & CO. KG

Contact Information: Vierlander Strasse 14, 21502 Geesthacht, Germany

Test item(s): Toy components

**Identification/
Model No(s):** TOPModel Erasable Pen WILD
Item no.: 12850
Order no.: 12850A

Sample obtaining method: Sending by customer

Condition at delivery: Test item complete and undamaged.

Sample Receiving date: 2023-11-24, 2023-12-08

Testing Period: 2023-11-28 to 2023-12-13

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 Destination: EU, UK, CH

The provided age grade of the item(s) : Not Provided

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

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

Packaging provided: Yes

The selection of the tested materials and parameters is based on testing experience according to the principles of proportionally considering technological probabilities. The analyses are focused on expected harmful substances caused by nature of materials and production conditions.

For and on behalf of
TÜV Rheinland Hong Kong Ltd.



Amenda Yung/
Senior CS Manager

2023-12-21

Date

Name/Position



Wong Yiu Tong , Tommy/
Senior Lab Manager

2023-12-21

Date

Name/Position

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

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

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

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Test Result Summary :
Test Specification:
Test result:

1 EN 71-1:2014+A1:2018 Mechanical and physical properties	PASS
2 2009/48/EC CE marking	PASS
3 2009/48/EC Labeling Requirement (Importer/ Manufacturer Mark, Product Identification, Washing/ Cleaning instruction)	Refer to result page
4 EN 71-2:2020 Flammability	PASS
5 EN 71-3:2019+A1:2021 Migration of 19 Elements	PASS
6 EN 71 - 9 : 2005 + A1 : 2007; EN 71 - 10 and - 11 : 2005 Table 2B Colorants	PASS
7 EN 71 - 9 : 2005 + A1 : 2007; EN 71 - 10 and - 11 : 2005 Table 2C Primary Aromatic Amines	PASS
8 EN 71 - 9 : 2005 + A1 : 2007; EN 71 - 10 and - 11 : 2005 Table 2H Preservatives (other than wood preservatives)	PASS
9 Total Cadmium Content - according to REACH regulation (EC) No. 1907/2006 Annex XVII Entry 23 and its amendments	PASS
Total Lead Content - REACH Regulation (EC) No. 1907/2006 Annex XVII Entry 63 and its amendments	PASS
10 Depesche requirement: Total Lead Content	PASS
11 Depesche requirement: Phthalates content	PASS
12 Polycyclic aromatic hydrocarbons (PAHs) - REACH regulation (EC) No. 1907/2006 with Amendment No. 552/2009- Annex XVII Item No. 50 and (EU) No.1272/2013	PASS
13 Polycyclic aromatic hydrocarbons (PAHs) - according to GS Specification - AfPS GS 2019:01 PAK	PASS
14 Short Chain Chlorinated Paraffin (C10-C13) (SCCP) - according to Regulation (EU) 2019/1021	PASS
Depesche's requirement: Medium Chain Chlorinated Paraffins (C14 - C17) (MCCP)	PASS
15 Depesche requirement: GC-MS screening for Liquid in Toys	Refer to result page
16 The Toys (Safety) Regulations 2011 of UK, UKCA mark	Refer to result page
17 The Toys (Safety) Regulations 2011 of UK, labelling requirements	Refer to result page
18 ISO 11540: 2021 Writing and marking instruments - Specification for caps to reduce the risk of asphyxiation	PASS

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Material List:

Item: TOPModel Erasable Pen WILD
 Item no.: 12850
 Order no.: 12850A

Material No.	Material	Color	Location
M001	Whole Product	Multicolor	[#Koala style]-Whole Product;[#Panda style]-Whole Product;[#Zebra style]-Whole Product;[#Leopard style]-Whole Product
M002	Coating	Multicolor	[#Koala style]-On pen cover, pen barrel;[#Panda style]-On pen cover, pen barrel;[#Zebra style]-On pen cover, pen barrel;[#Leopard style]-On pen cover, pen barrel
M003	Ink	Blue	[#Koala style]-Pen ink;[#Panda style]-Pen ink;[#Zebra style]-Pen ink;[#Leopard style]-Pen ink
M004	Plastic	Translucent	[#Koala style]-Eraser;[#Panda style]-Eraser;[#Zebra style]-Eraser;[#Leopard style]-Eraser
M005	Plastic	Pink	[#Koala style]-Pen cover, pen barrel, inner pen tip cap;[#Zebra style]-Ears
M006	Plastic	Purple	[#Koala style]-Ears;[#Panda style]-Pen cover, pen barrel, inner pen tip cap
M007	Plastic	Dark blue	[#Koala style]-Front cap of pen ink tube;[#Panda style]-Front cap of pen ink tube;[#Zebra style]-Front cap of pen ink tube;[#Leopard style]-Front cap of pen ink tube
M008	Plastic	Deep blue	[#Koala style]-Body of pen ink tube;[#Panda style]-Body of pen ink tube;[#Zebra style]-Body of pen ink tube;[#Leopard style]-Body of pen ink tube
M009	Plastic	Translucent	[#Koala style]-End cap of pen ink tube;[#Panda style]-End cap of pen ink tube;[#Zebra style]-End cap of pen ink tube;[#Leopard style]-End cap of pen ink tube
M010	Plastic	Black	[#Panda style]-Ears
M011	Plastic	Pale pink	[#Zebra style]-Pen cover, pen barrel, inner pen tip cap

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M012	Plastic	Light aqua	[#Leopard style]-Pen cover, pen barrel, inner pen tip cap
M013	Plastic	Light pink	[#Leopard style]-Ears
M014	Plastic	Translucent	[#Koala style]-Inner part of pen cover (inaccessible);[#Panda style]-Inner part of pen cover (inaccessible);[#Zebra style]-Inner part of pen cover (inaccessible);[#Leopard style]-Inner part of pen cover (inaccessible)
M015-1	Metal	Silver	[#Koala style]-Pen tip;[#Panda style]-Pen tip;[#Zebra style]-Pen tip;[#Leopard style]-Pen tip
M016	Plastic + coating	Transparent+Multicolor	[#Koala style]-Laminates on paper box (packaging);[#Panda style]-Laminates on paper box (packaging);[#Zebra style]-Laminates on paper box (packaging);[#Leopard style]-Laminates on paper box (packaging)

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

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

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

Remark:

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

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

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

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

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

Remark:

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

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

- ^ According to Directive 2009/48/EC, a toy intended for use by children under 36 months must be designed and manufactured in such a way that it can be cleaned. A textile toy shall, to this end, be washable, except if it contains a mechanism that may be damaged if soak washed. The toy shall fulfill the safety requirements also after having been cleaned in accordance with this point and the manufacturer's instructions.

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4. EN 71-2:2020 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.

2) For liquid or sticky toy materials:
Test Result:

Test No.				T002
Material No.				M003
Test Parameter	Unit	RL	Regulatory Requirement	Result
Aluminium (Al)	mg/kg	10	560	< RL
Antimony (Sb)	mg/kg	1	11.3	< RL
Arsenic (As)	mg/kg	0.5	0.9	< RL
Barium (Ba)	mg/kg	2.5	375	< RL
Boron (B)	mg/kg	10	300	< RL
Cadmium (Cd)	mg/kg	0.1	0.3	< RL
Chromium III (Cr(III))	mg/kg	1	9.4	< RL
Chromium VI (Cr(VI))	mg/kg	0.004	0.005	< RL
Cobalt (Co)	mg/kg	0.5	2.6	< RL
Copper (Cu)	mg/kg	2.5	156	< RL
Lead (Pb)	mg/kg	0.4	0.5	< RL
Manganese (Mn)	mg/kg	2.5	300	< RL
Mercury (Hg)	mg/kg	0.5	1.9	< RL
Nickel (Ni)	mg/kg	2.5	18.8	< RL
Selenium (Se)	mg/kg	2.5	9.4	< RL
Strontium (Sr)	mg/kg	2.5	1,125	< RL
Tin (Sn)	mg/kg	0.06	3,750	< RL
Organic Tin^	mg/kg	0.2	0.2	-
Zinc (Zn)	mg/kg	10	938	< 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 (0.067 mg/kg)

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

Test No.				T001	T003	T004
Material No.				M002	M004	M005
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result
Aluminium (Al)	mg/kg	10	28,130	41	< 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	--	--	36	-	-

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.				T005	T006	T007
Material No.				M006	M007	M008
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result
Aluminium (Al)	mg/kg	10	28,130	< RL	< RL	< RL
Antimony (Sb)	mg/kg	5	560	< RL	< RL	< RL
Arsenic (As)	mg/kg	5	47	< RL	< RL	< RL
Barium (Ba)	mg/kg	2.5	18,750	< RL	< RL	< RL
Boron (B)	mg/kg	10	15,000	< RL	< RL	< RL
Cadmium (Cd)	mg/kg	1	17	< RL	< RL	< RL
Chromium III (Cr(III))	mg/kg	10	460	< RL	< RL	< RL
Chromium VI (Cr(VI))	mg/kg	0.045	0.053	< RL	< RL	< RL
Cobalt (Co)	mg/kg	2.5	130	< RL	< RL	< RL
Copper (Cu)	mg/kg	2.5	7,700	< RL	< RL	< RL
Lead (Pb)	mg/kg	2.5	23	< RL	< RL	< RL
Manganese (Mn)	mg/kg	2.5	15,000	< RL	< RL	< RL
Mercury (Hg)	mg/kg	2.5	94	< RL	< RL	< RL
Nickel (Ni)	mg/kg	2.5	930	< RL	< RL	< RL
Selenium (Se)	mg/kg	10	460	< RL	< RL	< RL
Strontium (Sr)	mg/kg	2.5	56,000	< RL	< RL	< RL
Tin (Sn)	mg/kg	1.0	180,000	< RL	< RL	< RL
Organic Tin [^]	mg/kg	0.2	12	-	-	-
Zinc (Zn)	mg/kg	10	46,000	< RL	< RL	< RL
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.				T008	T009	T010
Material No.				M009	M010	M011
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result
Aluminium (Al)	mg/kg	10	28,130	< RL	< RL	< RL
Antimony (Sb)	mg/kg	5	560	< RL	< RL	< RL
Arsenic (As)	mg/kg	5	47	< RL	< RL	< RL
Barium (Ba)	mg/kg	2.5	18,750	< RL	< RL	< RL
Boron (B)	mg/kg	10	15,000	< RL	< RL	< RL
Cadmium (Cd)	mg/kg	1	17	< RL	< RL	< RL
Chromium III (Cr(III))	mg/kg	10	460	< RL	< RL	< RL
Chromium VI (Cr(VI))	mg/kg	0.045	0.053	< RL	< RL	< RL
Cobalt (Co)	mg/kg	2.5	130	< RL	< RL	< RL
Copper (Cu)	mg/kg	2.5	7,700	< RL	< RL	< RL
Lead (Pb)	mg/kg	2.5	23	< RL	< RL	< RL
Manganese (Mn)	mg/kg	2.5	15,000	< RL	< RL	< RL
Mercury (Hg)	mg/kg	2.5	94	< RL	< RL	< RL
Nickel (Ni)	mg/kg	2.5	930	< RL	< RL	< RL
Selenium (Se)	mg/kg	10	460	< RL	< RL	< RL
Strontium (Sr)	mg/kg	2.5	56,000	< RL	< RL	< RL
Tin (Sn)	mg/kg	1.0	180,000	< RL	< RL	< RL
Organic Tin [^]	mg/kg	0.2	12	-	-	-
Zinc (Zn)	mg/kg	10	46,000	< RL	< RL	< RL
Mass of trace amount	mg	--	--	88	-	-

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.				T011	T012
Material No.				M012	M013
Test Parameter	Unit	RL	Regulatory Requirement	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	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	--	--	-	-

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 have 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.EN 71-9:2005+A1:2007; EN 71-10 and -11:2005 Table 2B Colourants

Test Method: EN 71-10 and -11:2005 for Table 2B Colourants

Test Result:

Test No.					T001
Material No.					M003
Test Parameter	CAS No.	Unit	RL	Regulatory Requirement	Result
Disperse Blue 1	2475-45-8	mg/kg	10	10 (Action Limit)	< RL
Disperse Blue 3	2475-46-9	mg/kg	10	10 (Action Limit)	< RL
Disperse Blue 106	12223-01-7	mg/kg	10	10 (Action Limit)	< RL
Disperse Blue 124	61951-51-7	mg/kg	10	10 (Action Limit)	< RL
Disperse Orange 3	730-40-5	mg/kg	10	10 (Action Limit)	< RL
Disperse Orange 37/76	12223-33-5/ 13301-61-6	mg/kg	10	10 (Action Limit)	< RL
Disperse Yellow 3	2832-40-8	mg/kg	10	10 (Action Limit)	< RL
Disperse Red 1	2872-52-8	mg/kg	10	10 (Action Limit)	< RL
Solvent Yellow 1	60-09-3	mg/kg	10	10 (Action Limit)	< RL
Solvent Yellow 2	60-11-7	mg/kg	10	10 (Action Limit)	< RL
Solvent Yellow 3	97-56-3	mg/kg	10	10 (Action Limit)	< RL
Basic Red 9	569-61-9	mg/kg	10	10 (Action Limit)	< RL
Basic Violet 1	8004-87-3	mg/kg	10	10 (Action Limit)	< RL
Basic Violet 3	548-62-9	mg/kg	10	10 (Action Limit)	< RL
Acid Red 26	3761-53-3	mg/kg	10	10 (Action Limit)	< RL
Acid Violet 49	1694-09-3	mg/kg	10	10 (Action Limit)	< RL
Disperse Blue 35*	12222-75-2	mg/kg	10	10 (Action Limit)	< RL

Abbreviation: < = less than
 RL = Reporting Limit
 mg/kg = milligram per kilogram
 NA = Not Applicable

Remark:

- * According to the BfR-recommendations (Bundesinstitut für Risikobewertung), Disperse blue 35 is analysed additionally.

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7.EN 71-9:2005+A1:2007; EN 71-10 and -11:2005 Table 2C Primary Aromatic Amines

Test Method: EN 71-10 and -11:2005 for Table 2C Primary Aromatic Amines

Test Result:

Test No.					T001
Material No.					M003
Test Parameter	CAS No.	Unit	RL	Regulatory Requirement	Result
Benzidine	92-87-5	mg/kg	1	5 (Action Limit)	< RL
2-Naphthylamine	91-59-8	mg/kg	1	5 (Action Limit)	< RL
4-Chloroaniline	106-47-8	mg/kg	1	5 (Action Limit)	< RL
3,3'-Dichlorobenzidine	91-94-1	mg/kg	1	5 (Action Limit)	< RL
3,3'-Dimethoxybenzidine	119-90-4	mg/kg	1	5 (Action Limit)	< RL
3,3'-Dimethylbenzidine	119-93-7	mg/kg	1	5 (Action Limit)	< RL
o-Toluidine	95-53-4	mg/kg	1	5 (Action Limit)	< RL
2-Methoxyaniline (o-Anisidine)	90-04-0	mg/kg	1	5 (Action Limit)	< RL
Aniline	62-53-3	mg/kg	1	5 (Action Limit)	< RL

Abbreviation: < = less than
 RL = Reporting Limit
 mg/kg = milligram per kilogram
 NA = Not Applicable

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8.EN 71-9:2005+A1:2007; EN 71-10 and -11:2005 Table 2H Preservatives (other than wood preservatives)

Test Method: EN 71-10 and -11:2005 for Table 2H Preservatives (other than wood preservatives)

Test result

Test No.					T001
Material No.					M003
Test Parameter	CAS No.	Unit	RL	Regulatory Requirement	Result
Phenol	108-95-2	mg/kg	10	10 (Action Limit)	< RL
1,2- Benzylisothiazolin- 3-one	2634-33-5	mg/kg	5	5 (Action Limit)	< RL
2-Methyl -4-isothiazolin -3-one	2682-20-4	mg/kg	10	10	< RL
5-Chloro -2-methyl -4-isothiazolin -3-one	26172-55-4	mg/kg	10	10	< RL
5-Chloro- 2-methyl -4-isothiazolin -3-one + 2-Methyl- 4-isothiazolin - 3-one	Various	mg/kg	15	15	< RL
Formaldehyde (free)	50-00-0	%	0.05	0.05	< RL

Abbreviation: < = less than
 RL = Reporting Limit
 mg/kg = milligram per kilogram
 % = percentage
 NA = Not Applicable

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9.Total Lead and Cadmium Content

Test Method: Acid digestion, analyzed by ICP-OES

Test result:

Test No.	Material No.	Test Parameter	Unit	RL	Test Result
T001	M004	Lead	mg/kg	10	< RL
		Cadmium	mg/kg	10	< RL
T002	M005 + M006 + M007	Lead	mg/kg	10	< RL
		Cadmium	mg/kg	10	< RL
T003	M008 + M009 + M010	Lead	mg/kg	10	< RL
		Cadmium	mg/kg	10	< RL
T004	M011 + M012 + M013	Lead	mg/kg	10	< RL
		Cadmium	mg/kg	10	< RL
T005	M014	Lead	mg/kg	10	< RL
		Cadmium	mg/kg	10	< RL
T007	M015-1	Lead	mg/kg	10	< RL
		Cadmium	mg/kg	10	< RL

Abbreviation: < = less than
 RL = Reporting Limit
 mg/kg = milligram per kilogram
 1% = 10000 mg/kg

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10.Total Lead

Test Method: Acid digestion, analyzed by ICP-OES / AAS

Test result:

Test No.	Material No.	Test Parameter	Unit	RL	Customer's Requirement	Test Result
T001	M004	Lead Content	mg/kg	10	100	< RL
T002	M005 + M006 + M007	Lead Content	mg/kg	10	100	< RL
T003	M008 + M009 + M010	Lead Content	mg/kg	10	100	< RL
T004	M011 + M012 + M013	Lead Content	mg/kg	10	100	< RL
T005	M014	Lead Content	mg/kg	10	100	< RL
T007	M015-1	Lead Content	mg/kg	10	100	< RL

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

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11. Phthalates content

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

Test Result:

Test No.				T001	T002	T003
Material No.				M002	M003	M004
Test Parameter	CAS NO	Unit	RL	Result	Result	Result
Diethylhexyl phthalate (DEHP)	117-81-7	%	0.005	< RL	< RL	< RL
Dibutyl phthalate (DBP)	84-74-2	%	0.005	< RL	< RL	< RL
Benzylbutyl phthalate (BBP)	85-68-7	%	0.005	< RL	< RL	< RL
Diisobutyl phthalate (DIBP)	84-69-5	%	0.005	< RL	< RL	< RL
Sum (DEHP+DBP+BBP+DIBP)	-	%	0.005	<RL	<RL	<RL
Diisononyl phthalate (DINP)	28553-12-0, 68515-48-0	%	0.005	< RL	< RL	< RL
Diisodecyl phthalate (DIDP)	26761-40-0, 68515-49-1	%	0.005	< RL	< RL	< RL
Di-n-octyl phthalate (DNOP)	117-84-0	%	0.005	< RL	< RL	< RL
Sum (DINP+ DIDP+ DNOP)	--	%	0.005	<RL	<RL	<RL
Di-n-pentyl phthalate (DnPP)	131-18-0	%	0.005	< RL	< RL	< RL
Di-n-hexyl phthalate (DnHP)	84-75-3	%	0.005	< RL	< RL	< RL
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.005	< RL	< RL	< RL
Diisopentyl phthalate (DiPP)	605-50-5	%	0.005	< RL	< RL	< RL
n-Pentyl-isopentyl phthalate	776297-69-9	%	0.005	< RL	< RL	< RL
Di(methoxyethyl) phthalate (DMEP)	117-82-8	%	0.005	< RL	< RL	< RL
1,2-Benzenedicarboxylic acid, di-C6-8- branched alkyl esters, C7-rich (DIHP)	71888-89-6	%	0.01	< RL	< RL	< RL
1,2-Benzenedicarboxylic acid, di-C7-11- branched and linear alkyl esters (DHNUP)	68515-42-4	%	0.01	< RL	< RL	< RL
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	%	0.01	< RL	< RL	< RL
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	%	0.01	< RL	< RL	< RL
1,2-benzenedicarboxylic acid, di-C6-10- alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (CAS No.: 84-75-3)	68515-51-5 68648-93-1	%	0.01	< RL	< RL	< RL
Conclusion: Customer's requirement				Pass	Pass	Pass

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Test No. Material No.				T004 M005 + M006 + M007	T005 M008 + M009 + M010	T006 M011 + M012 + M013
Test Parameter	CAS NO	Unit	RL	Result	Result	Result
Diethylhexyl phthalate (DEHP)	117-81-7	%	0.005	< RL	< RL	< RL
Dibutyl phthalate (DBP)	84-74-2	%	0.005	< RL	< RL	< RL
Benzylbutyl phthalate (BBP)	85-68-7	%	0.005	< RL	< RL	< RL
Diisobutyl phthalate (DIBP)	84-69-5	%	0.005	< RL	< RL	< RL
Sum (DEHP+DBP+BBP+DIBP)	-	%	0.005	<RL	<RL	<RL
Diisononyl phthalate (DINP)	28553-12-0, 68515-48-0	%	0.005	< RL	< RL	< RL
Diisodecyl phthalate (DIDP)	26761-40-0, 68515-49-1	%	0.005	< RL	< RL	< RL
Di-n-octyl phthalate (DNOP)	117-84-0	%	0.005	< RL	< RL	< RL
Sum (DINP+ DIDP+ DNOP)	--	%	0.005	<RL	<RL	<RL
Di-n-pentyl phthalate (DnPP)	131-18-0	%	0.005	< RL	< RL	< RL
Di-n-hexyl phthalate (DnHP)	84-75-3	%	0.005	< RL	< RL	< RL
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.005	< RL	< RL	< RL
Diisopentyl phthalate (DiPP)	605-50-5	%	0.005	< RL	< RL	< RL
n-Pentyl-isopentyl phthalate	776297-69-9	%	0.005	< RL	< RL	< RL
Di(methoxyethyl) phthalate (DMEP)	117-82-8	%	0.005	< RL	< RL	< RL
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	%	0.01	< RL	< RL	< RL
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	%	0.01	< RL	< RL	< RL
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	%	0.01	< RL	< RL	< RL
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	%	0.01	< RL	< RL	< RL
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (CAS No.: 84-75-3)	68515-51-5 68648-93-1	%	0.01	< RL	< RL	< RL
Conclusion: Customer's requirement				Pass	Pass	Pass

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		Test No.		T007	T008
		Material No.		M014	M016
Test Parameter	CAS NO	Unit	RL	Result	Result
Diethylhexyl phthalate (DEHP)	117-81-7	%	0.005	< RL	< RL
Dibutyl phthalate (DBP)	84-74-2	%	0.005	< RL	< RL
Benzylbutyl phthalate (BBP)	85-68-7	%	0.005	< RL	< RL
Diisobutyl phthalate (DIBP)	84-69-5	%	0.005	< RL	< RL
Sum (DEHP+DBP+BBP+DIBP)	-	%	0.005	<RL	<RL
Diisononyl phthalate (DINP)	28553-12-0, 68515-48-0	%	0.005	< RL	< RL
Diisodecyl phthalate (DIDP)	26761-40-0, 68515-49-1	%	0.005	< RL	< RL
Di-n-octyl phthalate (DNOP)	117-84-0	%	0.005	< RL	< RL
Sum (DINP+ DIDP+ DNOP)	--	%	0.005	<RL	<RL
Di-n-pentyl phthalate (DnPP)	131-18-0	%	0.005	< RL	< RL
Di-n-hexyl phthalate (DnHP)	84-75-3	%	0.005	< RL	< RL
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.005	< RL	< RL
Diisopentyl phthalate (DiPP)	605-50-5	%	0.005	< RL	< RL
n-Pentyl-isopentyl phthalate	776297-69-9	%	0.005	< RL	< RL
Di(methoxyethyl) phthalate (DMEP)	117-82-8	%	0.005	< RL	< RL
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	%	0.01	< RL	< RL
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	%	0.01	< RL	< RL
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	%	0.01	< RL	< RL
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	%	0.01	< RL	< RL
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (CAS No.: 84-75-3)	68515-51-5 68648-93-1	%	0.01	< RL	< RL
Conclusion: Customer's requirement				Pass	Pass

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

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Remark:

- According to customer instruction, the maximum permissible limits of phthalates are as follows:

Parameter	Unit	Maximum Permissible Limit
Sum of Dibutyl phthalate (DBP), Benzylbutyl phthalate (BBP), Diethylhexyl phthalate (DEHP) and Diisobutyl phthalate (DIBP)	%	0.1
Sum of Di-n-octyl phthalate (DNOP), Diisodecyl phthalate (DIDP) and Diisononyl phthalate (DINP)	%	0.1
Di-n-pentyl phthalate (DnPP)	%	0.1
Di-n-hexyl phthalate (DnHP)	%	0.1
Dicyclohexyl phthalate (DCHP)	%	0.1
Diisopentyl phthalate (DiPP)	%	0.1
n-Pentyl-isopentyl phthalate	%	0.1
Di(methoxyethyl) phthalate (DMEP)	%	0.1
1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	%	0.1
1,2-Benzenedicarboxylic acid, di-C7-11 branched and linear alkyl ester (DHNUP)	%	0.1
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	%	0.1
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	%	0.1
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate	%	0.1

- Single component with an amount below reporting limit was not considered by the calculation of the sum.

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12. Polycyclic aromatic hydrocarbons (PAHs)

Test Method: Organic solvent extraction, GCMS

Test No.				T001	T002	T003
Material No.				M004	M005	M006
Test Parameter	CAS NO	Unit	RL	Result	Result	Result
Benzo[a]anthracene (BaA)	56-55-3	mg/kg	0.2	< RL	< RL	< RL
Benzo[a]pyrene (BaP)	50-32-8	mg/kg	0.2	< RL	< RL	< RL
Benzo[b]fluoranthene (BbFA)	205-99-2	mg/kg	0.2	< RL	< RL	< RL
Benzo[k]fluoranthene (BkFA)	207-08-9	mg/kg	0.2	< RL	< RL	< RL
Benzo[j]fluoranthene (BjFA)	205-82-3	mg/kg	0.2	< RL	< RL	< RL
Benzo[e]pyrene (BeP)	192-97-2	mg/kg	0.2	< RL	< RL	< RL
Chrysene (CHR)	218-01-9	mg/kg	0.2	< RL	< RL	< RL
Dibenzo[a,h]anthracene (DBAhA)	53-70-3	mg/kg	0.2	< RL	< RL	< RL

Test No.				T004	T005	T006
Material No.				M010	M011	M012
Test Parameter	CAS NO	Unit	RL	Result	Result	Result
Benzo[a]anthracene (BaA)	56-55-3	mg/kg	0.2	< RL	< RL	< RL
Benzo[a]pyrene (BaP)	50-32-8	mg/kg	0.2	< RL	< RL	< RL
Benzo[b]fluoranthene (BbFA)	205-99-2	mg/kg	0.2	< RL	< RL	< RL
Benzo[k]fluoranthene (BkFA)	207-08-9	mg/kg	0.2	< RL	< RL	< RL
Benzo[j]fluoranthene (BjFA)	205-82-3	mg/kg	0.2	< RL	< RL	< RL
Benzo[e]pyrene (BeP)	192-97-2	mg/kg	0.2	< RL	< RL	< RL
Chrysene (CHR)	218-01-9	mg/kg	0.2	< RL	< RL	< RL
Dibenzo[a,h]anthracene (DBAhA)	53-70-3	mg/kg	0.2	< RL	< RL	< RL

Test No.				T007
Material No.				M013
Test Parameter	CAS NO	Unit	RL	Result
Benzo[a]anthracene (BaA)	56-55-3	mg/kg	0.2	< RL
Benzo[a]pyrene (BaP)	50-32-8	mg/kg	0.2	< RL
Benzo[b]fluoranthene (BbFA)	205-99-2	mg/kg	0.2	< RL
Benzo[k]fluoranthene (BkFA)	207-08-9	mg/kg	0.2	< RL
Benzo[j]fluoranthene (BjFA)	205-82-3	mg/kg	0.2	< RL
Benzo[e]pyrene (BeP)	192-97-2	mg/kg	0.2	< RL
Chrysene (CHR)	218-01-9	mg/kg	0.2	< RL
Dibenzo[a,h]anthracene (DBAhA)	53-70-3	mg/kg	0.2	< RL

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Abbreviation: < = less than
 RL = Reporting Limit
 NA = Not Applicable
 mg/kg = milligram per kilogram

Remark:

* Requirement according to REACH regulation (EC) No. 1907/2006 with Amendment No. 552/2009 Annex XVII Item No. 50 and (EU) No.1272/2013, are summarized as below:

Scope	Parameter	Unit	Maximum permissible limit
Articles with direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity, under normal or reasonably foreseeable conditions of use, made of plastic and rubber shall follow below limit:			
Such articles include amongst others: ---sport equipment such as bicycles, golf clubs, racquets ---household utensils, trolleys, walking frames --- tools for domestic use --- clothing, footwear, gloves and sportswear ---watch-straps, wrist-bands, masks, head-bands	Each of 8 listed PAHs	mg/kg	1
Toys, including activity toys, and childcare articles	Each of 8 listed PAHs	mg/kg	0.5

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13. Polycyclic aromatic hydrocarbons (PAHs) according to GS Specification - AfPS GS 2019:01 PAK

Test Method: AfPS GS 2019:01 PAK

Test Result:

Test No.				T001	T002	T003
Material No.				M004	M005	M006
Test Parameter	CAS NO	Unit	RL	Result	Result	Result
Anthracene	120-12-7	mg/kg	0.2	< RL	< RL	< RL
Benzo[a]anthracene	56-55-3	mg/kg	0.2	< RL	< RL	< RL
Benzo[a]pyrene(BaP)	50-32-8	mg/kg	0.2	< RL	< RL	< RL
Benzo[b]fluoranthene	205-99-2	mg/kg	0.2	< RL	< RL	< RL
Benzo[k]fluoranthene	207-08-9	mg/kg	0.2	< RL	< RL	< RL
Benzo[j]fluoranthene	205-82-3	mg/kg	0.2	< RL	< RL	< RL
Benzo[g,h,i]perylene	191-24-2	mg/kg	0.2	< RL	< RL	< RL
Benzo[e]pyrene	192-97-2	mg/kg	0.2	< RL	< RL	< RL
Chrysene	218-01-9	mg/kg	0.2	< RL	< RL	< RL
Dibenzo[a,h]anthracene	53-70-3	mg/kg	0.2	< RL	< RL	< RL
Fluoranthene	206-44-0	mg/kg	0.2	< RL	< RL	< RL
Indeno[1,2,3-cd]pyrene	193-39-5	mg/kg	0.2	< RL	< RL	< RL
Naphthalene	91-20-3	mg/kg	0.2	0.6	< RL	< RL
Phenanthrene	85-01-8	mg/kg	0.2	< RL	< RL	< RL
Pyrene	129-00-0	mg/kg	0.2	< RL	< RL	< RL
Sum of, Anthracene, Fluoranthene, Phenanthrene, Pyrene	-	mg/kg	0.2	<RL	<RL	<RL
Sum of 15 PAHs	-	mg/kg	0.2	0.6	<RL	<RL
Category*	-	--	-	1	1	1
Conclusion				PASS	PASS	PASS

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Test No.				T004	T005	T006
Material No.				M010	M011	M012
Test Parameter	CAS NO	Unit	RL	Result	Result	Result
Anthracene	120-12-7	mg/kg	0.2	< RL	< RL	< RL
Benzo[a]anthracene	56-55-3	mg/kg	0.2	< RL	< RL	< RL
Benzo[a]pyrene(BaP)	50-32-8	mg/kg	0.2	< RL	< RL	< RL
Benzo[b]fluoranthene	205-99-2	mg/kg	0.2	< RL	< RL	< RL
Benzo[k]fluoranthene	207-08-9	mg/kg	0.2	< RL	< RL	< RL
Benzo[j]fluoranthene	205-82-3	mg/kg	0.2	< RL	< RL	< RL
Benzo[g,h,i]perylene	191-24-2	mg/kg	0.2	< RL	< RL	< RL
Benzo[e]pyrene	192-97-2	mg/kg	0.2	< RL	< RL	< RL
Chrysene	218-01-9	mg/kg	0.2	< RL	< RL	< RL
Dibenzo[a,h]anthracene	53-70-3	mg/kg	0.2	< RL	< RL	< RL
Fluoranthene	206-44-0	mg/kg	0.2	< RL	< RL	< RL
Indeno[1,2,3-cd]pyrene	193-39-5	mg/kg	0.2	< RL	< RL	< RL
Naphthalene	91-20-3	mg/kg	0.2	< RL	0.3	< RL
Phenanthrene	85-01-8	mg/kg	0.2	< RL	< RL	< RL
Pyrene	129-00-0	mg/kg	0.2	< RL	< RL	< RL
Sum of, Anthracene, Fluoranthene, Phenanthrene, Pyrene	-	mg/kg	0.2	<RL	<RL	<RL
Sum of 15 PAHs	-	mg/kg	0.2	<RL	0.3	<RL
Category*	-	--	-	1	1	1
Conclusion				PASS	PASS	PASS

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Test No.				T007
Material No.				M013
Test Parameter	CAS NO	Unit	RL	Result
Anthracene	120-12-7	mg/kg	0.2	< RL
Benzo[a]anthracene	56-55-3	mg/kg	0.2	< RL
Benzo[a]pyrene(BaP)	50-32-8	mg/kg	0.2	< RL
Benzo[b]fluoranthene	205-99-2	mg/kg	0.2	< RL
Benzo[k]fluoranthene	207-08-9	mg/kg	0.2	< RL
Benzo[j]fluoranthene	205-82-3	mg/kg	0.2	< RL
Benzo[g,h,i]perylene	191-24-2	mg/kg	0.2	< RL
Benzo[e]pyrene	192-97-2	mg/kg	0.2	< RL
Chrysene	218-01-9	mg/kg	0.2	< RL
Dibenzo[a,h]anthracene	53-70-3	mg/kg	0.2	< RL
Fluoranthene	206-44-0	mg/kg	0.2	< RL
Indeno[1,2,3-cd]pyrene	193-39-5	mg/kg	0.2	< RL
Naphthalene	91-20-3	mg/kg	0.2	< RL
Phenanthrene	85-01-8	mg/kg	0.2	< RL
Pyrene	129-00-0	mg/kg	0.2	< RL
Sum of, Anthracene, Fluoranthene, Phenanthrene, Pyrene	-	mg/kg	0.2	<RL
Sum of 15 PAHs	-	mg/kg	0.2	<RL
Category*	-	--	-	1
Conclusion				PASS

Abbreviation: < = less than
 RL = Reporting Limit
 NA = Not Applicable
 mg/kg = milligram per kilogram

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Remark:

- * PAH maximum permissible limits requirement from the GS-Mark Approval published by the German Federal Institute for Occupational Safety and Health (BAuA)

Parameter	Unit	Category 1	Category 2		Category 3	
		Materials intended to be placed into the mouth, or Materials in toys or articles for children up to 3 years of age with intended long-term skin contact (more than 30 s)	Materials that do not fall into Category 1 with intended or foreseeable long-term skin contact (more than 30 s) or repeated short-term skin contact		Materials not covered by category 1 or 2, with foreseeable short term contact (shorter than 30 s)	
		-	Cat. 2a Use by children	Cat. 2b Other consumer products	Cat. 3a Use by children	Cat. 3b Other consumer products
Benzo[a]pyrene(BaP)	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[e]pyrene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[a]anthracene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[b]fluoranthene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[j]fluoranthene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[k]fluoranthene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Chrysene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Dibenzo[a,h]anthracene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[g,h,i]perylene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Indeno[1,2,3-cd]pyrene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Naphthalene	mg/kg	<1	<2	<2	<10	<10
Sum of Anthracene Fluoranthene Phenanthrene Pyrene	mg/kg	<1	<5	<10	<20	<50
Sum of 15 PAHs	mg/kg	<1	<5	<10	<20	<50

Limit: Specific evaluation required according to type of foreseeable use.

The definition of "child" means persons before the age of 14 years. "Use by children" includes both active and passive direct contact by children.

- ** Single components with an amount of <0.2 mg/kg were not considered by the calculation of the sum. In the case of all 15 PAHs were not detected, the result is stated < RL

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14.Short Chain Chlorinated Paraffin (C10-C13) (SCCP) and Medium Chain Chlorinated Paraffins (C14 - C17) (MCCP)

Test Method: Leather Materials: ISO 18219:2015
 Non-Leather Materials: CADS method

Test result:

Test No.	Material No.	Test Parameter	Unit	RL	Test Result	Conclusion
T001	M004	SCCP	%	0.01	< RL	Pass
		MCCP	%	0.01	< RL	Pass
T002	M014	SCCP	%	0.01	< RL	Pass
		MCCP	%	0.01	< RL	Pass

Abbreviation: < = less than

RL = Reporting Limit

SCCP = Short chain chlorinated paraffins (C₁₀-C₁₃)

MCCP = Medium chain chlorinated paraffins (C₁₄-C₁₇)

% = percentage

Remark:

* According to Regulation (EU) 2019/1021 as regards Annex I:

Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCPs)	Maximum Permissible Limit
The production , placing on the market and use of articles containing SCCPs	< 0.15% by weight
The production , placing on the market and use of substances or preparations containing SCCPs	< 1% by weight

*1 According to customer's instruction, the maximum permissible limit of Medium Chain Chlorinated Paraffin (MCCP) shall not contain more than 0.1% .

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15.CMR (Cat.1 & Cat.2) Substances in Liquids (Screening)

Test Method: Extraction with Methyl-tert. Butylether (MTBE) 30 mins at 60°C, analysed by GC-MS, Semi-quantitative analysis with different deuterated substances as standards. only substances with a concentration >2 mg/kg would be considered.

Test Result :

Test No.:			T001	
Material No.:			M003	
Substances*	CAS no.	Unit	Result	Remark
4,4'-(Hexafluoroisopropylidene)diphenol	1478-61-1	mg/kg	770	
Diethylhydroxylamine	3710-84-7	mg/kg	1090	
Heptadecane	629-78-7	mg/kg	193	
Total unknown substances		mg/kg	3230	
1H-Benzotriazole	95-14-7	mg/kg	183	
2,4-Imidazolidinedione, 5,5-dimethyl-	77-71-4	mg/kg	144	

Abbreviation: mg/kg = milligram per kilogram

Remark:

- * Extractable and detectable under these conditions
- ** Quantitative by respective standards

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16. The Toys (Safety) Regulations 2011 of UK, UKCA mark**Test result:**

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

Remark:

- #1 The UK government will continue to recognise the CE marking, therefore businesses can also use the UKCA marking, giving them flexibility to choose which marking to apply.

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17.The Toys (Safety) Regulations 2011 of UK, labelling requirements**Test Result:**

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

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18.ISO 11540:2021

Writing and marking instruments - Specification for caps to reduce the risk of asphyxiation

Test Result:

Test No:	T001
Material No:	M001
4 Requirements	
4.1 General	PASS
4.2 Cap size	PASS
5 Identification	PASS

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Sample Photos



- END -

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

1.	Scope	3.8	TÜV Rheinland shall be entitled to raise its fees at the beginning of a month if overheads and/or purchase costs have increased. In this case, TÜV Rheinland shall notify the client in writing of the rise in fees. This notification shall be issued one month prior to the date on which the rise in fees shall come into effect (period of notice of changes in fees). If the rise in fees remains under 5% per annum, the client shall not have the right to refuse the increase. If the rise in fees exceeds 5% per contractual year, the client shall be entitled to terminate the contract by the end of the month in which the increase in fees has been notified. The increased fees shall be deemed to have been agreed upon by the time of the expiry of the notice period.	13.2	The performance of a contract with the client is subject to the proviso that there are no obstacles to performance due to national or international trade regulations or embargoes and/or sanctions. In the event of a violation, TÜV Rheinland shall be entitled to terminate the contract with immediate effect and the client shall compensate for the losses incurred thereof by TÜV Rheinland.
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 natural entities of TÜV Rheinland in Greater China as applicable as the case may be ("TÜV Rheinland"). The Greater China hereof refers to Mainland China, Hong Kong and Taiwan. The client hereby includes:	3.9	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, in whole or in part, by the client, by the client under any contracts, agreement and/or orders/quotations reached with TÜV Rheinland.	14.	Data protection notice
1.2	a) a natural person capable to form legally binding contracts under the applicable laws who concludes the contract not for the purpose of a daily use;	3.10	Acceptance of work	14.1	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 purpose of fulfilling this contract. The client confirms that it has reviewed the sample content of the data subject, which includes the reference samples 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 the data in accordance with the relevant legal basis. If any personal data has to be 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 reviewed the relevant content 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 fraud, leakage, abuse, manipulation, damage or unauthorized access of personal data. The personal data will be deleted immediately as soon as a corresponding reason 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 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, c/o Group Data Protection Officer, am Grauen Stein, 51105 Cologne, Germany.
1.3	Any standard terms and conditions of the client of any nature shall not apply and shall hereby be expressly excluded. No standard contractual conditions of the client shall form part of the contract even if TÜV Rheinland does not explicitly object to them.	3.11	Any part of the work result ordered which is complete in itself may be presented by TÜV Rheinland for acceptance as an instalment. The client shall be obliged to accept it immediately.	14.2	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.
1.4	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.	3.12	If acceptance is required or contractually agreed in an individual case, this shall be deemed to have taken place two (2) weeks after completion and handover of the work, unless the client expresses acceptance within this period starting at least one fundamental breach of contract by TÜV Rheinland. The client is not entitled to refuse acceptance due to insignificant breach of contract by TÜV Rheinland.	14.3	References samples or documentations 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 excluded.
2.	Quotations	3.13	If acceptance is excluded according to the nature of the work performance of TÜV Rheinland, the completion of the work shall take its place.	14.4	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 EUCEC certificates of conformity and GS mark certificates.
2.1	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.	3.14	If acceptance is excluded according to the nature of the work performance of TÜV Rheinland, the completion of the work shall take its place.	14.5	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.
3.	Coming into effect and duration of contracts	3.15	During the Follow-Audit stage, if the client was unable to make use of the time windows provided for the scope of a certification procedure for auditing performance by TÜV Rheinland and the client is therefore to be withdrawn (e.g. performance of surveillance audits), or if the client cancels or postpones a confirmed audit within two (2) weeks before the agreed date, TÜV Rheinland is entitled to immediately charge a lump-sum compensation of 10% of the order amount as compensation for expenses. The client reserves the right to refuse the payment of the fee in case of no damage whatsoever or only a considerably lower damage than the above lump sum.	15.	Retention of test material and documentation
3.1	The contract shall come into effect after the agreed terms upon the quotation letter of TÜV Rheinland or a separate contractual document being signed by both contracting parties, or upon the works requested by the client being carried out by TÜV Rheinland. If the client instructs TÜV Rheinland without receiving a quotation from TÜV Rheinland (quotation), TÜV Rheinland is, in its sole discretion, entitled to accept the order by giving written notice of such acceptance (including notice sent via electronic means) or by performing the respective service.	3.16	For the purpose of these terms and conditions, "confidential information" means all know-how, trade secrets, patents, designs, drawings, technical data, test results, reports, samples, project documents, pricing and financial information, customer and supplier information, and marketing techniques and materials, tangible or intangible, that are supplied, transferred or otherwise disclosed by one Party (the "disclosing party") to the other Party (the "receiving party") in writing or orally, in printed or electronic form. Confidential information is expressly not the data and know-how collected, compiled or otherwise obtained by TÜV Rheinland (non-personal and not proprietary to the client) within the scope of the provision of services by TÜV Rheinland. TÜV Rheinland is entitled to store, use, further develop and pass on the data obtained in connection with the provision of services for the purposes of developing new services, improving services and enabling the provision of services.	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.
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.	3.17	The disclosing party shall mark all confidential information disclosed in written form as confidential information. The client receiving party shall not be permitted to disclose confidential information by e-mail. If confidential information is disclosed orally, the receiving party shall be appropriately informed in advance and the disclosing party shall confirm in writing the confidentiality nature of the information. The client shall not be permitted to disclose confidential information to third parties without the stipulated period, the receiving party shall not take any confidentiality obligations hereunder towards such information. The client shall avoid using any third party platform and/or system (e.g. WhatsApp, etc.) to disclose confidential information. If the client discloses confidential information to third parties, the client shall send any confidential information to company email of TÜV Rheinland employees through its company email system. If the client discloses confidential information due to any theft or leakages to be caused by the adoption of any unauthorized confidential information sharing methods mentioned above, TÜV Rheinland shall be waived for any responsibility.	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.
3.3	If the contract provides for an extension of the contract term, the contract term will be extended by the term provided for in the contract unless terminated in writing by either party with a three-month notice prior to the end of the contractual term.	3.18	All confidential information which the disclosing party transmits or otherwise discloses to the receiving party and which is created during performance of work by TÜV Rheinland.	15.3	References samples or documentations 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 excluded.
4.	Scope of services	3.19	The client shall not be permitted to disclose confidential information to third parties without the stipulated period, the receiving party shall not take any confidentiality obligations hereunder towards such information. The client shall avoid using any third party platform and/or system (e.g. WhatsApp, etc.) to disclose confidential information. If the client discloses confidential information to third parties, the client shall send any confidential information to company email of TÜV Rheinland employees through its company email system. If the client discloses confidential information due to any theft or leakages to be caused by the adoption of any unauthorized confidential information sharing methods mentioned above, TÜV Rheinland shall be waived for any responsibility.	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 EUCEC certificates of conformity and GS mark certificates.
4.1	The scope and type of the services to be provided by TÜV Rheinland shall be specified in the contractually agreed service scope of TÜV Rheinland by both parties. If no such separate service scope of TÜV Rheinland exists, then the written confirmation of order by TÜV Rheinland shall be decisive for the service to be provided. Unless otherwise agreed, services beyond the scope of the service description (e.g. checking the correctness and functionality of parts, product processes, installations, 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 and use of an existing part, product, process or plant, unless this is expressly stated in the order.	3.20	The client shall not be permitted to disclose confidential information to third parties without the stipulated period, the receiving party shall not take any confidentiality obligations hereunder towards such information. The client shall avoid using any third party platform and/or system (e.g. WhatsApp, etc.) to disclose confidential information. If the client discloses confidential information to third parties, the client shall send any confidential information to company email of TÜV Rheinland employees through its company email system. If the client discloses confidential information due to any theft or leakages to be caused by the adoption of any unauthorized confidential information sharing methods mentioned above, TÜV Rheinland shall be waived for any responsibility.	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.
4.2	The agreed services shall be performed in compliance with the regulations in force at the time the contract is entered into.	3.21	The client shall not be permitted to disclose confidential information to third parties without the stipulated period, the receiving party shall not take any confidentiality obligations hereunder towards such information. The client shall avoid using any third party platform and/or system (e.g. WhatsApp, etc.) to disclose confidential information. If the client discloses confidential information to third parties, the client shall send any confidential information to company email of TÜV Rheinland employees through its company email system. If the client discloses confidential information due to any theft or leakages to be caused by the adoption of any unauthorized confidential information sharing methods mentioned above, TÜV Rheinland shall be waived for any responsibility.	16.	Termination of the contract
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.	3.22	The client shall not be permitted to disclose confidential information to third parties without the stipulated period, the receiving party shall not take any confidentiality obligations hereunder towards such information. The client shall avoid using any third party platform and/or system (e.g. WhatsApp, etc.) to disclose confidential information. If the client discloses confidential information to third parties, the client shall send any confidential information to company email of TÜV Rheinland employees through its company email system. If the client discloses confidential information due to any theft or leakages to be caused by the adoption of any unauthorized confidential information sharing methods mentioned above, TÜV Rheinland shall be waived for any responsibility.	16.1	Notwithstanding clause 3.3 of the GTBCB, TÜV Rheinland and the client are entitled to terminate the contract in its entirety or, in the case of services combined in one contract, each of the combined services, if the client or TÜV Rheinland is entitled to terminate the contract for the remaining services with six (6) months' notice to the end of the contractually agreed term. The notice period shall be shortened to six (6) weeks in case of TÜV Rheinland is prevented from performing the services due to loss or a suspension of its accreditation or notification.
4.4	On execution of the work there shall be no simultaneous assumption of any guarantee of the correctness (product quality) and working order of either tested or examined parts nor of the installation as a whole and its upstream and/or downstream processes, organizations, use and application in accordance with regulations, nor of the systems 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.	3.23	The client shall not be permitted to disclose confidential information to third parties without the stipulated period, the receiving party shall not take any confidentiality obligations hereunder towards such information. The client shall avoid using any third party platform and/or system (e.g. WhatsApp, etc.) to disclose confidential information. If the client discloses confidential information to third parties, the client shall send any confidential information to company email of TÜV Rheinland employees through its company email system. If the client discloses confidential information due to any theft or leakages to be caused by the adoption of any unauthorized confidential information sharing methods mentioned above, TÜV Rheinland shall be waived for any responsibility.	16.2	For good causes, TÜV Rheinland may consider giving a written notice to the client to terminate the contract and request the client to pay the relevant service fees for the services provided by TÜV Rheinland up to the termination date of the contract.
4.5	In the case of inspection work, TÜV Rheinland shall not be responsible for the accuracy or checking of the safety programmes or safety regulations or other safety regulations, unless otherwise expressly agreed in writing.	3.24	The client shall not be permitted to disclose confidential information to third parties without the stipulated period, the receiving party shall not take any confidentiality obligations hereunder towards such information. The client shall avoid using any third party platform and/or system (e.g. WhatsApp, etc.) to disclose confidential information. If the client discloses confidential information to third parties, the client shall send any confidential information to company email of TÜV Rheinland employees through its company email system. If the client discloses confidential information due to any theft or leakages to be caused by the adoption of any unauthorized confidential information sharing methods mentioned above, TÜV Rheinland shall be waived for any responsibility.	16.3	For good causes, TÜV Rheinland may consider giving a written notice to the client to terminate the contract and request the client to pay the relevant service fees for the services provided by TÜV Rheinland up to the termination date of the contract.
4.6	If mandatory legal regulations and standards or official requirements for the agreed service scope change after conclusion of the contract, TÜV Rheinland shall be entitled to adjust the remuneration for resulting additional expenses.	3.25	The client shall not be permitted to disclose confidential information to third parties without the stipulated period, the receiving party shall not take any confidentiality obligations hereunder towards such information. The client shall avoid using any third party platform and/or system (e.g. WhatsApp, etc.) to disclose confidential information. If the client discloses confidential information to third parties, the client shall send any confidential information to company email of TÜV Rheinland employees through its company email system. If the client discloses confidential information due to any theft or leakages to be caused by the adoption of any unauthorized confidential information sharing methods mentioned above, TÜV Rheinland shall be waived for any responsibility.	16.4	For good causes, TÜV Rheinland may consider giving a written notice to the client to terminate the contract and request the client to pay the relevant service fees for the services provided by TÜV Rheinland up to the termination date of the contract.
4.7	The services to be provided by TÜV Rheinland under the contract are agreed exclusively with the client. A contract of third parties with the services of TÜV Rheinland, as well as making available of and justifying conformity of the work results (test reports, test results, expert reports, etc.) is not part of the agreed services. The client also assumes the responsibility for work results in full or in extracts - to third parties in accordance with clause 11.4.	3.26	The client shall not be permitted to disclose confidential information to third parties without the stipulated period, the receiving party shall not take any confidentiality obligations hereunder towards such information. The client shall avoid using any third party platform and/or system (e.g. WhatsApp, etc.) to disclose confidential information. If the client discloses confidential information to third parties, the client shall send any confidential information to company email of TÜV Rheinland employees through its company email system. If the client discloses confidential information due to any theft or leakages to be caused by the adoption of any unauthorized confidential information sharing methods mentioned above, TÜV Rheinland shall be waived for any responsibility.	16.5	For good causes, TÜV Rheinland may consider giving a written notice to the client to terminate the contract and request the client to pay the relevant service fees for the services provided by TÜV Rheinland up to the termination date of the contract.
4.8	The client understands and agrees that in order to perform the contract with TÜV Rheinland, the client may need to sign one or more contracts/agreements with a third party(ies) and establish legal relationships with that/those third party(ies) according to such contracts/agreements. TÜV Rheinland shall not be responsible 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.	3.27	The client shall not be permitted to disclose confidential information to third parties without the stipulated period, the receiving party shall not take any confidentiality obligations hereunder towards such information. The client shall avoid using any third party platform and/or system (e.g. WhatsApp, etc.) to disclose confidential information. If the client discloses confidential information to third parties, the client shall send any confidential information to company email of TÜV Rheinland employees through its company email system. If the client discloses confidential information due to any theft or leakages to be caused by the adoption of any unauthorized confidential information sharing methods mentioned above, TÜV Rheinland shall be waived for any responsibility.	16.6	For good causes, TÜV Rheinland may consider giving a written notice to the client to terminate the contract and request the client to pay the relevant service fees for the services provided by TÜV Rheinland up to the termination date of the contract.
4.9	The client understands and agrees that in order to perform the contract with TÜV Rheinland, the client may need to sign one or more contracts/agreements with a third party(ies) and establish legal relationships with that/those third party(ies) according to such contracts/agreements. TÜV Rheinland shall not be responsible 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.	3.28	The client shall not be permitted to disclose confidential information to third parties without the stipulated period, the receiving party shall not take any confidentiality obligations hereunder towards such information. The client shall avoid using any third party platform and/or system (e.g. WhatsApp, etc.) to disclose confidential information. If the client discloses confidential information to third parties, the client shall send any confidential information to company email of TÜV Rheinland employees through its company email system. If the client discloses confidential information due to any theft or leakages to be caused by the adoption of any unauthorized confidential information sharing methods mentioned above, TÜV Rheinland shall be waived for any responsibility.	16.7	For good causes, TÜV Rheinland may consider giving a written notice to the client to terminate the contract and request the client to pay the relevant service fees for the services provided by TÜV Rheinland up to the termination date of the contract.
5.	Performance periods/dates	3.29	The client shall not be permitted to disclose confidential information to third parties without the stipulated period, the receiving party shall not take any confidentiality obligations hereunder towards such information. The client shall avoid using any third party platform and/or system (e.g. WhatsApp, etc.) to disclose confidential information. If the client discloses confidential information to third parties, the client shall send any confidential information to company email of TÜV Rheinland employees through its company email system. If the client discloses confidential information due to any theft or leakages to be caused by the adoption of any unauthorized confidential information sharing methods mentioned above, TÜV Rheinland shall be waived for any responsibility.	16.8	For good causes, TÜV Rheinland may consider giving a written notice to the client to terminate the contract and request the client to pay the relevant service fees for the services provided by TÜV Rheinland up to the termination date of the contract.
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.	3.30	The client shall not be permitted to disclose confidential information to third parties without the stipulated period, the receiving party shall not take any confidentiality obligations hereunder towards such information. The client shall avoid using any third party platform and/or system (e.g. WhatsApp, etc.) to disclose confidential information. If the client discloses confidential information to third parties, the client shall send any confidential information to company email of TÜV Rheinland employees through its company email system. If the client discloses confidential information due to any theft or leakages to be caused by the adoption of any unauthorized confidential information sharing methods mentioned above, TÜV Rheinland shall be waived for any responsibility.	16.9	For good causes, TÜV Rheinland may consider giving a written notice to the client to terminate the contract and request the client to pay the relevant service fees for the services provided by TÜV Rheinland up to the termination date of the contract.
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.	3.31	The client shall not be permitted to disclose confidential information to third parties without the stipulated period, the receiving party shall not take any confidentiality obligations hereunder towards such information. The client shall avoid using any third party platform and/or system (e.g. WhatsApp, etc.) to disclose confidential information. If the client discloses confidential information to third parties, the client shall send any confidential information to company email of TÜV Rheinland employees through its company email system. If the client discloses confidential information due to any theft or leakages to be caused by the adoption of any unauthorized confidential information sharing methods mentioned above, TÜV Rheinland shall be waived for any responsibility.	16.10	For good causes, TÜV Rheinland may consider giving a written notice to the client to terminate the contract and request the client to pay the relevant service fees for the services provided by TÜV Rheinland up to the termination date of the contract.
5.3	Articles 5.1 and 5.2 also apply, even if the client expressly approves by the client, to all extensions of agreed periods of performance not caused by TÜV Rheinland.	3.32	The client shall not be permitted to disclose confidential information to third parties without the stipulated period, the receiving party shall not take any confidentiality obligations hereunder towards such information. The client shall avoid using any third party platform and/or system (e.g. WhatsApp, etc.) to disclose confidential information. If the client discloses confidential information to third parties, the client shall send any confidential information to company email of TÜV Rheinland employees through its company email system. If the client discloses confidential information due to any theft or leakages to be caused by the adoption of any unauthorized confidential information sharing methods mentioned above, TÜV Rheinland shall be waived for any responsibility.	16.11	For good causes, TÜV Rheinland may consider giving a written notice to the client to terminate the contract and request the client to pay the relevant service fees for the services provided by TÜV Rheinland up to the termination date of the contract.
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 article 5.1. In particular, 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.	3.33	The client shall not be permitted to disclose confidential information to third parties without the stipulated period, the receiving party shall not take any confidentiality obligations hereunder towards such information. The client shall avoid using any third party platform and/or system (e.g. WhatsApp, etc.) to disclose confidential information. If the client discloses confidential information to third parties, the client shall send any confidential information to company email of TÜV Rheinland employees through its company email system. If the client discloses confidential information due to any theft or leakages to be caused by the adoption of any unauthorized confidential information sharing methods mentioned above, TÜV Rheinland shall be waived for any responsibility.	16.12	For good causes, TÜV Rheinland may consider giving a written notice to the client to terminate the contract and request the client to pay the relevant service fees for the services provided by TÜV Rheinland up to the termination date of the contract.
5.5	If the performance of TÜV Rheinland is delayed due to unforeseeable circumstances such as force majeure, strikes, business disruptions, governmental regulations, transport obstacles, etc., TÜV Rheinland is entitled to postpone performance for a reasonable period of time which corresponds at least to the duration of the hindrance plus any time period which may be required to resume performance.	3.34	The client shall not be permitted to disclose confidential information to third parties without the stipulated period, the receiving party shall not take any confidentiality obligations hereunder towards such information. The client shall avoid using any third party platform and/or system (e.g. WhatsApp, etc.) to disclose confidential information. If the client discloses confidential information to third parties, the client shall send any confidential information to company email of TÜV Rheinland employees through its company email system. If the client discloses confidential information due to any theft or leakages to be caused by the adoption of any unauthorized confidential information sharing methods mentioned above, TÜV Rheinland shall be waived for any responsibility.	16.13	For good causes, TÜV Rheinland may consider giving a written notice to the client to terminate the contract and request the client to pay the relevant service fees for the services provided by TÜV Rheinland up to the termination date of the contract.
5.6	If the client is obliged to comply with legal, officially prescribed and/or by the accreditator 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 officially prescribed deadlines. TÜV Rheinland assumes no responsibility in this respect unless TÜV Rheinland has been notified in writing to bring specifically stating that ensuring the deadlines is the contractual obligation of TÜV Rheinland.	3.35	The client shall not be permitted to disclose confidential information to third parties without the stipulated period, the receiving party shall not take any confidentiality obligations hereunder towards such information. The client shall avoid using any third party platform and/or system (e.g. WhatsApp, etc.) to disclose confidential information. If the client discloses confidential information to third parties, the client shall send any confidential information to company email of TÜV Rheinland employees through its company email system. If the client discloses confidential information due to any theft or leakages to be caused by the adoption of any unauthorized confidential information sharing methods mentioned above, TÜV Rheinland shall be waived for any responsibility.	16.14	For good causes, TÜV Rheinland may consider giving a written notice to the client to terminate the contract and request the client to pay the relevant service fees for the services provided by TÜV Rheinland up to the termination date of the contract.
6.	The client's obligation to cooperate	3.36	The client shall not be permitted to disclose confidential information to third parties without the stipulated period, the receiving party shall not take any confidentiality obligations hereunder towards such information. The client shall avoid using any third party platform and/or system (e.g. WhatsApp, etc.) to disclose confidential information. If the client discloses confidential information to third parties, the client shall send any confidential information to company email of TÜV Rheinland employees through its company email system. If the client discloses confidential information due to any theft or leakages to be caused by the adoption of any unauthorized confidential information sharing methods mentioned above, TÜV Rheinland shall be waived for any responsibility.	16.15	For good causes, TÜV Rheinland may consider giving a written notice to the client to terminate the contract and request the client to pay the relevant service fees for the services provided by TÜV Rheinland up to the termination date of the contract.
6.1	The client shall guarantee that all cooperation required on its part, its agents or third parties will be provided in good time and at no cost to TÜV Rheinland.	3.37	The client shall not be permitted to disclose confidential information to third parties without the stipulated period, the receiving party shall not take any confidentiality obligations hereunder towards such information. The client shall avoid using any third party platform and/or system (e.g. WhatsApp, etc.) to disclose confidential information. If the client discloses confidential information to third parties, the client shall send any confidential information to company email of TÜV Rheinland employees through its company email system. If the client discloses confidential information due to any theft or leakages to be caused by the adoption of any unauthorized confidential information sharing methods mentioned above, TÜV Rheinland shall be waived for any responsibility.	16.16	For good causes, TÜV Rheinland may consider giving a written notice to the client to terminate the contract and request the client to pay the relevant service fees for the services provided by TÜV Rheinland up to the termination date of the contract.
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:	3.38	The client shall not be permitted to disclose confidential information to third parties without the stipulated period, the receiving party shall not take any confidentiality obligations hereunder towards such information. The client shall avoid using any third party platform and/or system (e.g. WhatsApp, etc.) to disclose confidential information. If the client discloses confidential information to third parties, the client shall send any confidential information to company email of TÜV Rheinland employees through its company email system. If the client discloses confidential information due to any theft or leakages to be caused by the adoption of any unauthorized confidential information sharing methods mentioned above, TÜV Rheinland shall be waived for any responsibility.	16.17	For good causes, TÜV Rheinland may consider giving a written notice to the client to terminate the contract and request the client to pay the relevant service fees for the services provided by TÜV Rheinland up to the termination date of the contract.
6.3	a) It has required statutory qualifications;	3.39	The client shall not be permitted to disclose confidential information to third parties without the stipulated period, the receiving party shall not take any confidentiality obligations hereunder towards such information. The client shall avoid using any third party platform and/or system (e.g. WhatsApp, etc.) to disclose confidential information. If the client discloses confidential information to third parties, the client shall send any confidential information to company email of TÜV Rheinland employees through its company email system. If the client discloses confidential information due to any theft or leakages to be caused by the adoption of any unauthorized confidential information sharing methods mentioned above, TÜV Rheinland shall be waived for any responsibility.	16.18	For good causes, TÜV Rheinland may consider giving a written notice to the client to terminate the contract and request the client to pay the relevant service fees for the services provided by TÜV Rheinland up to the termination date of the contract.
6.4	b) the product, service or management system to be certified complies with applicable laws and regulations;	3.40	The client shall not be permitted to disclose confidential information to third parties without the stipulated period, the receiving party shall not take any confidentiality obligations hereunder towards such information. The client shall avoid using any third party platform and/or system (e.g. WhatsApp, etc.) to disclose confidential information. If the client discloses confidential information to third parties, the client shall send any confidential information to company email of TÜV Rheinland employees through its company email system. If the client discloses confidential information due to any theft or leakages to be caused by the adoption of any unauthorized confidential information sharing methods mentioned above, TÜV Rheinland shall be waived for any responsibility.	16.19	For good causes, TÜV Rheinland may consider giving a written notice to the client to terminate the contract and request the client to pay the relevant service fees for the services provided by TÜV Rheinland up to the termination date of the contract.
6.5	c) it doesn't have any illegal and dishonest behaviours or is not included in the list of Enterprises with Serious Illegal and Dishonest Acts of People's Republic of China.	3.41	The client shall not be permitted to disclose confidential information to third parties without the stipulated period, the receiving party shall not take any confidentiality obligations hereunder towards such information. The client shall avoid using any third party platform and/or system (e.g. WhatsApp, etc.) to disclose confidential information. If the client discloses confidential information to third parties, the client shall send any confidential information to company email of TÜV Rheinland employees through its company email system. If the client discloses confidential information due to any theft or leakages to be caused by the adoption of any unauthorized confidential information sharing methods mentioned above, TÜV Rheinland shall be waived for any responsibility.	16.20	For good causes, TÜV Rheinland may consider giving a written notice to the client to terminate the contract and request the client to pay the relevant service fees for the services provided by TÜV Rheinland up to the termination date of the contract.
6.6	If the client breaches the aforesaid representations and warranties, TÜV Rheinland is entitled to i) immediately terminate the contractor without prior notice; and ii) withdraw the issued testing/recertification if any.	3.42	The client shall not be permitted to disclose confidential information to third parties without the stipulated period, the receiving party shall not take any confidentiality obligations hereunder towards such information. The client shall avoid using any third party platform and/or system (e.g. WhatsApp, etc.) to disclose confidential information. If the client discloses confidential information to third parties, the client shall send any confidential information to company email of TÜV Rheinland employees through its company email system. If the client discloses confidential information due to any theft or leakages to be caused by the adoption of any unauthorized confidential information sharing methods mentioned above, TÜV Rheinland shall be waived for any responsibility.	16.21	For good causes, TÜV Rheinland may consider giving a written notice to the client to terminate the contract and request the client to pay the relevant service fees for the services provided by TÜV Rheinland up to the termination date of the contract.
6.7	The client shall bear any additional cost incurred on account of work having to be redone or being delayed as a result of late, incorrect or incomplete information provided by the client or lack of proper 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.	3.43	The client shall not be permitted to disclose confidential information to third parties without the stipulated period, the receiving party shall not take any confidentiality obligations hereunder towards such information. The client shall avoid using any third party platform and/or system (e.g. WhatsApp, etc.) to disclose confidential information. If the client discloses confidential information to third parties, the client shall send any confidential information to company email of TÜV Rheinland employees through its company email system. If the client discloses confidential information due to any theft or leakages to be caused by the adoption of any unauthorized confidential information sharing methods mentioned above, TÜV Rheinland shall be waived for any responsibility.	16.22	For good causes, TÜV Rheinland may consider giving a written notice to the client to terminate the contract and request the client to pay the relevant service fees for the services provided by TÜV Rheinland up to the termination date of the contract.
7.	Prices	3.44	The client shall not be permitted to disclose confidential information to third parties without the stipulated period, the receiving party shall not take any confidentiality obligations hereunder towards such information. The client shall avoid using any third party platform and/or system (e.g. WhatsApp, etc.) to disclose confidential information. If the client discloses confidential information to third parties, the client shall send any confidential information to company email of TÜV Rheinland employees through its company email system. If the client discloses confidential information due to any theft or leakages to be caused by the adoption of any unauthorized confidential information sharing methods mentioned above, TÜV Rheinland shall be waived for any responsibility.	16.23	For good causes, TÜV Rheinland may consider giving a written notice to the client to terminate the contract and request the client to pay the relevant service fees for the services provided by TÜV Rheinland up to the termination date of the contract.
7.1	If the scope of performance is not laid down in writing when the order is placed, invoicing shall be based on costs actually incurred and on price as agreed in writing, invoicing shall be made in accordance with the price of TÜV Rheinland at the time of performance.	3.45	The client shall not be permitted to disclose confidential information to third parties without the stipulated period, the receiving party shall not take any confidentiality obligations hereunder towards such information. The client shall avoid using any third party platform and/or system (e.g. WhatsApp, etc.) to disclose confidential information. If the client discloses confidential information to third parties, the client shall send any confidential information to company email of TÜV Rheinland employees through its company email system. If the client discloses confidential information due to any theft or leakages to be caused by the adoption of any unauthorized confidential information sharing methods mentioned above, TÜV Rheinland shall be waived for any responsibility.	16.24	For good causes, TÜV Rheinland may consider giving a written notice to the client to terminate the contract and request the client to pay the relevant service fees for the services provided by TÜV Rheinland up to the termination date of the contract.
7.2	Unless otherwise agreed, work shall be invoiced according to the progress of the work.	3.46	The client shall not be permitted to disclose confidential information to third parties without the stipulated period, the receiving party shall not take any confidentiality obligations hereunder towards such information. The client shall avoid using any third party platform and/or system (e.g. WhatsApp, etc.) to disclose confidential information. If the client discloses confidential information to third parties, the client shall send any confidential information to company email of TÜV Rheinland employees through its company email system. If the client discloses confidential information due to any theft or leakages to be caused by the adoption of any unauthorized confidential information sharing methods mentioned above, TÜV Rheinland shall be waived for any responsibility.	16.25	For good causes, TÜV Rheinland may consider giving a written notice to the client to terminate the contract and request the client to pay the relevant service fees for the services provided by TÜV Rheinland up to the termination date of the contract.
7.3	If the execution of the work is delayed by the client, the client shall be liable for the damages for the agreed fixed price exceeding €25,000.00 or equivalent value in local currency, TÜV Rheinland may demand payments on account or in instalments.	3.47	The client shall not be permitted to disclose confidential information to third parties without the stipulated period, the receiving party shall not take any confidentiality obligations hereunder towards such information. The client shall avoid using any third party platform and/or system (e.g. WhatsApp, etc.) to disclose confidential information. If the client discloses confidential information to third parties, the client shall send any confidential information to company email of TÜV Rheinland employees through its company email system. If the client discloses confidential information due to any theft or leakages to be caused by the adoption of any unauthorized confidential information sharing methods mentioned above, TÜV Rheinland shall be waived for any responsibility.	16.26	For good causes, TÜV Rheinland may consider giving a written notice to the client to terminate the contract and request the client to pay the relevant service fees for the services provided by TÜV Rheinland up to the termination date of the contract.
8.	Payment terms	3.48	The client shall not be permitted to disclose confidential information to third parties without the stipulated period, the receiving party shall not take any confidentiality obligations hereunder towards such information. The client shall avoid using any third party platform and/or system (e.g. WhatsApp, etc.) to disclose confidential information. If the client discloses confidential information to third parties, the client shall send any confidential information to company email of TÜV Rheinland employees through its company email system. If the client discloses confidential information due to any theft or leakages to be caused by the adoption of any unauthorized confidential information sharing methods mentioned above, TÜV Rheinland shall be waived for any responsibility.	16.27	For good causes, TÜV Rheinland may consider giving a written notice to the client to terminate the contract and request the client to pay the relevant service fees for the services provided by TÜV Rheinland up to the termination date of the contract.
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.	3.49	The client shall not be permitted to disclose confidential information to third parties without the stipulated period, the receiving party shall not take any confidentiality obligations hereunder towards such information. The client shall avoid using any third party platform and/or system (e.g. WhatsApp, etc.) to disclose confidential information. If the client discloses confidential information to third parties, the client shall send any confidential information to company email of TÜV Rheinland employees through its company email system. If the client discloses confidential information due to any theft or leakages to be caused by the adoption of any unauthorized confidential information sharing methods mentioned above, TÜV Rheinland shall be waived for any responsibility.	16.28	For good causes, TÜV Rheinland may consider giving a written notice to the client to terminate the contract and request the client to pay the relevant service fees for the services provided by TÜV Rheinland up to the termination date of the contract.
8.2	Payments shall be made to the bank account of TÜV Rheinland as indicated on the invoice, stating the invoice and client numbers.	3.50	The client shall not be permitted to disclose confidential information to third parties without the stipulated period, the receiving party shall not take any confidentiality obligations hereunder towards such information. The client shall avoid using any third party platform and/or system (e.g. WhatsApp, etc.) to disclose confidential information. If the client discloses confidential information to third parties, the client shall send any confidential information to company email of TÜV Rheinland employees through its company email system. If the client discloses confidential information due to any theft or leakages to be caused by the adoption of any unauthorized confidential information sharing methods mentioned above, TÜV Rheinland shall be waived for any responsibility.	16.29	For good causes, TÜV Rheinland may consider giving a written notice to the client to terminate the contract and request the client to pay the relevant service fees for the services provided by TÜV Rheinland up to the termination date of the contract.
8.3	In cases of default of payment, TÜV Rheinland shall be entitled to claim default interest at the applicable short 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.	3.51	The client shall not be permitted to disclose confidential information to third parties without the stipulated period, the receiving party shall not take any confidentiality obligations hereunder towards such information. The client shall avoid using any third party platform and/or system (e.g. WhatsApp, etc.) to disclose confidential information. If the client discloses confidential information to third parties, the client shall send any confidential information to company email of TÜV Rheinland employees through its company email system. If the client discloses confidential information due to any theft or leakages to be caused by the adoption of any unauthorized confidential information sharing methods mentioned above, TÜV Rheinland shall be waived for any responsibility.	16.30	For good causes, TÜV Rheinland may consider giving a written notice to the client to terminate the contract and request the client to pay the relevant service fees for the services provided by TÜV Rheinland up to the termination date of the contract.
8.4	Should the client default in payment of the invoice despite being granted a reasonable grace period, TÜV Rheinland shall be entitled to cancel the contract, withdraw the certificate, claim damages for non-performance and refuse to continue and/or to perform the contract.	3.52	The client shall not be permitted to disclose confidential information to third parties without the stipulated period, the receiving party shall not take any confidentiality obligations hereunder towards such information. The client shall avoid using any third party platform and/or system (e.g. WhatsApp, etc.) to disclose confidential information. If the client discloses confidential information to third parties, the client shall send any confidential information to company email of TÜV Rheinland employees through its company email system. If the client discloses confidential information due to any theft or leakages to be caused by the adoption of any unauthorized confidential information sharing methods mentioned above, TÜV Rheinland shall be waived for any responsibility.	16.31	For good causes, TÜV Rheinland may consider giving a written notice to the client to terminate the contract and request the client to pay the relevant service fees for the services provided by TÜV Rheinland up to the termination date of the contract.
8.5	The provisions set forth in article 8.4 shall also apply in cases involving returned cheques, cessation of payment, commencement of insolvency proceedings against the client's assets or cases in which the commencement of insolvency proceedings has been declared due to the client.	3.53	The client shall not be permitted to disclose confidential information to third parties without the stipulated period, the receiving party shall not take any confidentiality obligations hereunder towards such information. The client shall avoid using any third party platform and/or system (e.g. WhatsApp, etc.) to disclose confidential information. If the client discloses confidential information to third parties, the client shall send any confidential information to company email of TÜV Rheinland employees through its company email system. If the client discloses confidential information due to any theft or leakages to be caused by the adoption of any unauthorized confidential information sharing methods mentioned above, TÜV Rheinland shall be waived for any responsibility.	16.32	For good causes, TÜV Rheinland may consider giving a written notice to the client to terminate the contract and request the client to pay the relevant service fees for the services provided by TÜV Rheinland up to the termination date of the contract.
8.6	Objections to the invoices of TÜV Rheinland shall be submitted in writing within two weeks of receipt of the invoice.	3.54	The client shall not be permitted to disclose confidential information to third parties without the stipulated period, the receiving party shall not take any confidentiality obligations hereunder towards such information. The client shall avoid using any third party platform and/or system (e.g. WhatsApp, etc.) to disclose confidential information. If the client discloses confidential information to third parties, the client shall send any confidential information to company email of TÜV Rheinland employees through its company email system. If the client discloses confidential information due to any theft or leakages to be caused by the adoption of any unauthorized confidential information sharing methods mentioned above, TÜV Rheinland shall be waived for any responsibility.	16.33	For good causes, TÜV Rheinland may consider giving a written notice to the client to terminate the