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Client: EARLY FANTASIES FACTORY LLC

Contact Information: 80300, Ukraine, Vokzalna 32b Street

Test item(s):

Identification/ play dough

Model No(s): 21001, 41118, 31000, 41001, 11004

Sample obtaining method: Sending by customer

Condition at delivery: Test item complete and undamaged.

Sample Receiving date: 2022-01-13

Testing Period: 2022-01-13 to 2022-02-15

Place of testing: Chemical laboratory Shanghai, Toys laboratory Shanghai

Test Specification:

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

Other information:

Packaging provided: Yes

The provided age grade of the item: Over 36 months.

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

months.

The item was tested: M001,M002,M004,M006: Over 36 months; M005: Over 18 months. ^As per applicant's request, selected items were tested. For details please see material list.

For and on behalf of

2022-02-15

TÜV Rheinland (Shanghai) Co., Ltd.

Gary Zhu / Assistant Manager

Date Name/Position

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

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

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



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Test Result Summary:

Test Specification:	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)	Please refer to result page
4 EN 71-2 : 2020 Flammability	PASS
5 EN 71-3:2019+A1:2021 Migration of 19 Elements^	Please refer to result page
6 REACH regulation (EC) No. 1907/2006 and amendment no. 552/2009 Annex XVII entries 51 and 52 : Phthalates^	PASS
7 Total Cadmium Content - REACH regulation (EC) No. 1907/2006 Annex XVII Item 23 and its amendments (EC) No. 552/2009, (EU) No. 494/2011, (EU) No. 835/2012 and (EU) No. 217/2016.^	PASS
8 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
9 Organotin compounds content according to REACH Regulation (EC) No. 1907/2006 Annex XVII Item 20 and amendment Commission Regulation (EU) No. 276/2010 (formerly known as 2009/425/EC) ^	PASS
10 Benzene content - according to REACH regulation (EC) No. 1907/2006 and amendment no. 552/2009 Annex XVII Entry 5	PASS
11 Short Chain Chlorinated Paraffin (SCCP) - according to Regulation (EU) 2019/1021	PASS
12 Microbial Contamination [^]	PASS



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Nº	Item no.	Bar-code	Item name	FOTO
1	41138	4820199475061	Creative Set TM Lovin Maxi box with play dough	N.S. C.
2	41137	4820199475054	Creative Set TM Lovin Happy Meal with play dough	HAPPY
3	41129	4820199474712	Play dough Set TM Lovin'Do Dino Park	
4	41120	4820199474460	Play dough Set TM Lovin'Do Box orange	
5	41121	4820199474538	Play dough Set TM Lovin'Do Dino Dough	
6	21013	4820199471575	Play dough Set TM Lovin'Do 12 cups in displaybox Glitter	
7	21014	4820199471568	Play dough Set TM Lovin'Do Set 12 cups in displaybox Aroma	



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		1		
8	21015	4820199471513	Play dough Set TM Lovin'Do 12 cups in displaybox Neon	
0	41033	4820199471667	Play dough Set TM Lovin'Do 3 cans with a fruity smell	
10	41035	4820199471681	Play dough Set TM Lovin'Do 3 cans with Neon colors	
11	41037	4820199471704	Play dough Set TM Lovin'Do 3 cans with sparkles	
12	41050	4820199472251	Play dough set TM Lovin'Do Heart chest	No. of the last of
13	41051	4820199472268	Play dough Set TM Lovin'Do Box Brick	
14	21011	4820199470691	Play dough Set TM Lovin'Do Maxi bucket	
15	21000	4820199470028	Play dough Set TM Lovin'Do Make your sweets	16



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16	21001	4820199470035	Play dough Set TM Lovin'Do Assorti 1	
17	21002	4820199470042	Play dough Set TM Lovin'Do Assorti 2	
18	21003	4820199470059	Play dough Set TM Lovin'Do Asorti 3	
19	21004	4820199470066	Play dough Set TM Lovin'Do Assorti 4	
20	21005	4820199470073	Play dough Set TM Lovin'Do Asorti Mini	
21	21007	4820199470387	Play dough Set TM Lovin'Do cute girls	
22	21008	4820199470394	Play dough Set TM Lovin'Do young boys	
23	31007	4820199470592	Play dough Set TM Lovin'Do 6 colors in tube	



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		1		
24	31000	4820199470011	Lovin'Do Set 10 colors+molds	
25	41130	4820199474811	Play dough Set TM Lovin Unicorn	
26	41131	4820199474828	Play dough Set TM Lovin Cat	
27	41132	4820199474835	Play dough Set TM Lovin HARE	
28	41133	4820199474859	Play dough Set TM Lovin DEER	
29	31134	4820199474866	Play dough Set TM Lovin Alien	
30	41109	4820199473876	Play dough Set TM Lovin'Do ECO SERIES, 6 colors	
31	41110	4820199473883	Play dough Set TM Lovin'Do ECO SERIES, 3 colors Mix	



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		T		
32	41111	4820199473890	Play dough Set TM Lovin'Do ECO SERIES, 3 colors Classic	
33	41118	4820199473906	Play dough Set TM Lovin'Do ECO SERIES, 6 cups and wooden tools	
34	41042	4820199472299	Play dough Set TM Lovin'Do Edu Kids Finger games 1	
35	41043	4820199472367	Play dough Set TM Lovin'Do Edu Kids Finger games 2	
36	41044	4820199472350	Play dough Set TM Lovin'Do Edu Kids Finger games 3	
37	41045	4820199472343	Play dough Set TM Lovin'Do Edu Kids Finger games 4	
38	41046	4820199472336	Play dough Set TM Lovin'Do Edu Kids Finger games 5	
39	41047	4820199472329	Play dough Set TM Lovin'Do Edu Kids Finger games 6	



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40				
	41048	4820199472312	Play dough Set TM Lovin'Do Edu Kids Finger games 7	
41	41049	4820199472305	Play dough Set TM Lovin'Do Edu Kids Finger games 10	
42	41052	4820199473333	Play dough Set TM Lovin'Do Edu Kids Finger games 9	
43	41053	4820199473340	Play dough Set TM Lovin'Do Edu Kids Finger games 8	
44	41001	4820199470080	Play dough Set TM Lovin'Do 6 colors Asorti	
45	41008	4820199470417	Play dough Set TM Lovin'Do Asorti 6 colors with glitter	
46	41009	4820199470424	Play dough Set TM Lovin'Do Asorti 9 colors with glitter	
47	41010	4820199470431	Play dough Set TM Lovin'Do 6pcs*35gr NEON 6 colors	



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40		I		
48	41017	4820199470875	Play dough Set TM Lovin'Do 6pcs*35gr AROMA 6 colors	
49	41000		Набір для ліплення ОКТО Асорті 9 кольорів	
50	41020	4820199470905	Play dough Set TM Lovin'Do Asorti 9 pcs*35gr Aroma	
51	41021	4820199473364	Play dough Set TM Lovin'Do Asorti 12 pcs*35gr with glitter + Aroma	
52	41015	4820199470912	Play dough Set TM Lovin'Do 12 colors Colorful Boom	The production of the producti
53	41022	4820199470943	Play dough Set TM Lovin'Do Asorti 24 color 4 Friends	
54	11030	4820199471353	Play dough Set TM Lovin'Do Pasta Mania	DATE OF THE PARTY
55	11027	4820199470684	Play dough Set TM Lovin'Do Dental Master	



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56	11031	4820199471360	Play dough Set TM Lovin'Do Barbeque Party	
57	11016	4820199470523	Play dough Set TM Lovin'Do Ice Cream Factory	
58	11011	4820199470486	Play dough Set TM Lovin'Do Happy Birthday (680g)	
59	11017	4820199470530	Play dough Set TM Lovin'Do Candy Shop (680g)	
60	11016	4820199470523	Play dough Set TM Lovin'Do Ice Cream Factory	
61	11018	4820199470547	Candy Shop TM Lovin modeling SET with Play Dough	SWATON E
62	11004	4820199470202	Play dough Set TM Lovin'Do Wild Jungle	
63	11005	4820199470219	Real Cars TM Lovin modeling SET with Play Dough	\$MIESZNE



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64	11012	4820199470493	Play dough Set TM Lovin'Do Happy Birthday (540g)	
65	11006	4820199470233	Happy Meal TM Lovin modeling SET with Play Dough	HAPPY MEAL
66	11007	4820199470226	Play dough Set TM Lovin'Do Dinoland	
67	11008	4820199470240	Crazy Farm TM Lovin modeling SET with Play Dough	SZALONA SZALON
68	OK0002	8032780805379	Classical colors Play Dough 25pcs 20gr each in PVC Tube	CLASSIC
69	OK0003	8032780805386	NEON colors Play Dough 25pcs 20gr each in PVC Tube	
70	OK0004	8032780805393	GLITTER colors Play Dough 25pcs 20gr each in PVC Tube	



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		T		
71	OK0005	8032780805409	AROMA colors Play Dough 25pcs 20gr each in PVC Tube	C A TAIL
72	OK0014	8032780805492	Play Dough Classical colors in plastic bucket with orange lid	ASTALL AS
73	OK0015	8032780805508	Play Dough Aroma colors in plastic bucket with blue lid	
74	OK0016	8032780805515	Play Dough Neon colors in plastic bucket with green lid	ACTIVIA ACTIVIA
75	OK0017	8032780805522	Play Dough Glitter colors in plastic bucket with pink lid	CLI CLI
76	41143	4820199475191	Pizza Time TM Lovin Modeling Set with Play Dough	Pizza
77	41144	4820199475207	Burger Time TM Lovin Modeling Set with Play Dough	



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Material List:

play dough Item:

21001, 41118, 31000, 41001, 11004

Material No.	Material	Color	Location
M001	Whole Product	multi	refer to photo, 21001
M002	Whole Product	multi	refer to photo, 41118
M004	Whole Product	multi	play dough, 31000
M005	Whole Product	multi	refer to photo, 41001
M006	Whole Product	multi	refer to photo, 11004
M007	Pliable modelling materials	red	play dough
M008	Pliable modelling materials	blue	play dough
M009	Pliable modelling materials	yellow	play dough
M010	Pliable modelling materials	violet with glitter	play dough
M011	Pliable modelling materials	pink neon	play dough
M012	Pliable modelling materials	orange neon	play dough
M013	Pliable modelling materials	lemon neon with glitter	play dough
M014	Paper + plastic	multi+transparent	card
M015	Wood	natural	tool
M016	Plastic	green	cup, lid and molds
M017	Plastic	yellow	lid and molds and other tools
M018	Plastic	pink	lid and molds and other tools
M019	Plastic	red	lid and molds and other tools
M020	Plastic	blue	lid and molds and other tools



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M021	Plastic	orange	lid and molds and other tools
M022	Plastic	transparent	bucket or chest-box



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

Test No:	T001
Material No:	M001-M002,M004-M006
4. General requirements	
4.1 Material cleanliness	PASS
4.7 Edges	PASS
4.8 Points and metallic wires	PASS
5. Toys intended for children under 36 months	
5.1 General requirements	PASS *1
6. Packaging	PASS *2
7. Warnings, markings and instructions for use	
7.1 General	PASS *3
7.2 Toys not intended for children under 36 months	PASS *3

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

Remark:

- *1 This clause is applicable to M005.
- *2 This clause is applicable to M001 and M006.
- *3 This clause is applicable to M001, M002, M004 and M006.



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2. 2009/48/EC CE Marking

Test result:

Test No:	T001
Material No:	M001-M002,M004-M006
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-M002,M004-M006
Importer/ Manufacturer Mark (European	Absent
Company name and address)+	
Product Identification - type, batch, serial or	Present on package
model number+	

Remark:

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

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



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4. EN 71-2: 2020 Flammability

Test result:

	Test No:	T001
	Material No:	M001-M002,M004-
		M006
4.1 General		PASS

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



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

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

MS/IC-UV/GC-MS.

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

Test Result:

			Test No.	T001	T002	T003
			Material No.	M007	M008	M009
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result
Aluminium (Al)	mg/kg	10	2,250	163	176	167
Antimony (Sb)	mg/kg	1	45	< RL	< RL	< RL
Arsenic (As)	mg/kg	0.5	3.8	< RL	< RL	< RL
Barium (Ba)	mg/kg	2.5	1,500	< RL	< RL	< RL
Boron (B)	mg/kg	10	1,200	< RL	< RL	< RL
Cadmium (Cd)	mg/kg	0.1	1.3	< RL	< RL	< RL
Chromium III (Cr(III))	mg/kg	1	37.5	< RL	< RL	< RL
Chromium VI (Cr(VI))	mg/kg	0.015	0.02	< RL	< RL	< RL
Cobalt (Co)	mg/kg	0.5	10.5	< RL	< RL	< RL
Copper (Cu)	mg/kg	2.5	622.5	< RL	< RL	< RL
Lead (Pb)	mg/kg	0.4	2.0	< RL	< RL	< RL
Manganese (Mn)	mg/kg	2.5	1,200	4.3	4.0	3.7
Mercury (Hg)	mg/kg	0.5	7.5	< RL	< RL	< RL
Nickel (Ni)	mg/kg	2.5	75	< RL	< RL	< RL
Selenium (Se)	mg/kg	2.5	37.5	< RL	< RL	< RL
Strontium (Sr)	mg/kg	2.5	4,500	34.4	26.1	83.3
Tin (Sn)	mg/kg	0.2	15,000	< RL	< RL	< RL
Organic Tin^	mg/kg	0.2	0.9	-	-	-
Zinc (Zn)	mg/kg	10	3,750	< RL	< RL	< RL
Conclusion	•			PASS	PASS	PASS

Abbreviation:

less than

RL = Reporting Limit

mg/kg denotes milligram per kilogram

denotes Organic tin are not necessary to be determined when the Tin concentration is less

than calculated limit (0.3 mg/kg)



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Test Result:

			T004	T005	T006	
			Material No.	M010	M011	M012
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result
Aluminium (AI)	mg/kg	10	2,250	153	160	166
Antimony (Sb)	mg/kg	1	45	< RL	< RL	< RL
Arsenic (As)	mg/kg	0.5	3.8	< RL	< RL	< RL
Barium (Ba)	mg/kg	2.5	1,500	< RL	< RL	< RL
Boron (B)	mg/kg	10	1,200	< RL	< RL	< RL
Cadmium (Cd)	mg/kg	0.1	1.3	< RL	< RL	< RL
Chromium III (Cr(III))	mg/kg	1	37.5	< RL	< RL	< RL
Chromium VI (Cr(VI))	mg/kg	0.015	0.02	< RL	< RL	< RL
Cobalt (Co)	mg/kg	0.5	10.5	< RL	< RL	< RL
Copper (Cu)	mg/kg	2.5	622.5	< RL	< RL	< RL
Lead (Pb)	mg/kg	0.4	2.0	< RL	< RL	< RL
Manganese (Mn)	mg/kg	2.5	1,200	3.9	3.8	4.3
Mercury (Hg)	mg/kg	0.5	7.5	< RL	< RL	< RL
Nickel (Ni)	mg/kg	2.5	75	< RL	< RL	< RL
Selenium (Se)	mg/kg	2.5	37.5	< RL	< RL	< RL
Strontium (Sr)	mg/kg	2.5	4,500	48.6	49.7	87.6
Tin (Sn)	mg/kg	0.2	15,000	< RL	< RL	< RL
Organic Tin^	mg/kg	0.2	0.9	-	-	-
Zinc (Zn)	mg/kg	10	3,750	< RL	< RL	< RL
Conclusion	•			PASS	PASS	PASS

Abbreviation:

< less than

RL = Reporting Limit

mg/kg denotes milligram per kilogram

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than calculated limit (0.3 mg/kg)



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Test Result:

			Took No	T007
			Test No.	T007
			Material No.	M013
Test Parameter	Unit	RL	Regulatory	Result
			Requirement	
Aluminium (Al)	mg/kg	10	2,250	174
Antimony (Sb)	mg/kg	1	45	< RL
Arsenic (As)	mg/kg	0.5	3.8	< RL
Barium (Ba)	mg/kg	2.5	1,500	< RL
Boron (B)	mg/kg	10	1,200	< RL
Cadmium (Cd)	mg/kg	0.1	1.3	< RL
Chromium III (Cr(III))	mg/kg	1	37.5	< RL
Chromium VI (Cr(VI))	mg/kg	0.015	0.02	< RL
Cobalt (Co)	mg/kg	0.5	10.5	< RL
Copper (Cu)	mg/kg	2.5	622.5	< RL
Lead (Pb)	mg/kg	0.4	2.0	< RL
Manganese (Mn)	mg/kg	2.5	1,200	4.0
Mercury (Hg)	mg/kg	0.5	7.5	< RL
Nickel (Ni)	mg/kg	2.5	75	< RL
Selenium (Se)	mg/kg	2.5	37.5	< RL
Strontium (Sr)	mg/kg	2.5	4,500	86.8
Tin (Sn)	mg/kg	0.2	15,000	< RL
Organic Tin^	mg/kg	0.2	0.9	-
Zinc (Zn)	mg/kg	10	3,750	< RL
Conclusion	•			PASS

Abbreviation:

less than

RL = Reporting Limit

mg/kg denotes milligram per kilogram

denotes Organic tin are not necessary to be determined when the Tin concentration is less

than calculated limit (0.3 mg/kg)



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3) For scraped-off toy materials:

Test Result:

			Test No.	T008	T009	T010
			Material No.	M014	M015	M016
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result
Aluminium (AI)	mg/kg	10	28,130	< RL	< RL	< RL
Antimony (Sb)	mg/kg	5	560	< RL	17.9	< 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	3.4	44.3	< 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	14.7	3.9	< 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
Conclusion				PASS	PASS	PASS

Abbreviation:

less than

RL= Reporting Limit

mg/kg denotes milligram per kilogram

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



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Test Result:

			Test No.	T011	T012	T013
			Material No.	M017	M018	M019
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result
Aluminium (AI)	mg/kg	10	28,130	< RL	< RL	< RL
Antimony (Sb)	mg/kg	5	560	< RL	< RL	< RL
Arsenic (As)	mg/kg	5	47	< RL	< RL	< RL
Barium (Ba)	mg/kg	2.5	18,750	< RL	< RL	< RL
Boron (B)	mg/kg	10	15,000	< RL	< RL	< RL
Cadmium (Cd)	mg/kg	1	17	< RL	< RL	< RL
Chromium III (Cr(III))	mg/kg	10	460	< RL	< RL	< RL
Chromium VI (Cr(VI))	mg/kg	0.045	0.053	< RL	< RL	< RL
Cobalt (Co)	mg/kg	2.5	130	< RL	< RL	< RL
Copper (Cu)	mg/kg	2.5	7,700	< RL	< RL	< RL
Lead (Pb)	mg/kg	2.5	23	< RL	< RL	< RL
Manganese (Mn)	mg/kg	2.5	15,000	< RL	< 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
Conclusion				PASS	PASS	PASS

Abbreviation:

< less than

RL = Reporting Limit

mg/kg denotes milligram per kilogram

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



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Test Result:

			T014	T015	T016	
			Material No.	M020	M021	M022
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result
Aluminium (AI)	mg/kg	10	28,130	< RL	< RL	< RL
Antimony (Sb)	mg/kg	5	560	< RL	< RL	< RL
Arsenic (As)	mg/kg	5	47	< RL	< RL	< RL
Barium (Ba)	mg/kg	2.5	18,750	< RL	< RL	< RL
Boron (B)	mg/kg	10	15,000	< RL	< RL	< RL
Cadmium (Cd)	mg/kg	1	17	< RL	< RL	< RL
Chromium III (Cr(III))	mg/kg	10	460	< RL	< RL	< RL
Chromium VI (Cr(VI))	mg/kg	0.045	0.053	< RL	< RL	< RL
Cobalt (Co)	mg/kg	2.5	130	< RL	< RL	< RL
Copper (Cu)	mg/kg	2.5	7,700	< RL	< RL	< RL
Lead (Pb)	mg/kg	2.5	23	< RL	< RL	< RL
Manganese (Mn)	mg/kg	2.5	15,000	< RL	< 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
Conclusion				PASS	PASS	PASS

Abbreviation:

< less than

RL = Reporting Limit

mg/kg denotes milligram per kilogram

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

Remark:

* Categorization of toys materials is based on the material texture. According to point H.11 of Annex H to EN 71-3:2019+A1:2021, cosmetic materials with dry, brittle, powder like or pliable texture such as lipstick and eyeshadow are considered as category I materials. However, as a reminder, it cannot preclude the possibility that some national enforcement authorities might take a more stringent action to treat cosmetic materials as sticky and evaluate according to category II requirement as they are intended to be applied on skin and retained for long time.



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6.Phthalates content

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

Test Result:

		Т	est No.	T001	T002	T003
			rial No.	M007 +	M010 +	M011 +
				M008 +	M013	M012
Test Beautiful	040 NO	11.20		M009	D !!	D It
Test Parameter	CAS NO 117-81-7	Unit %	RL 0.005	Result < RL	Result < RL	Result < RL
Diethylhexyl phthalate (DEHP)						
Dibutyl phthalate (DBP)	84-74-2	%	0.005	< RL	< RL	< RL
Benzylbutyl phthalate (BBP)	85-68-7	%	0.005	< RL	< RL	< RL
Diisobutyl phthalate (DIBP)	84-69-5	%	0.005	< RL	< RL	< RL
Sum (DEHP+DBP+BBP+DIBP)	-	%	0.005	<rl< td=""><td><rl< td=""><td><rl< td=""></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""></rl<></td></rl<>	<rl< td=""></rl<>
Diisononyl phthalate (DINP)	28553-12-0, 68515-48-0	%	0.005	< RL	< RL	< RL
Diisodecyl phthalate (DIDP)	26761-40-0, 68515-49-1	%	0.005	< RL	< RL	< RL
Di-n-octyl phthalate (DNOP)	117-84-0	%	0.005	< RL	< RL	< RL
Sum (DINP+ DIDP+ DNOP)		%	0.005	<rl< td=""><td><rl< td=""><td><rl< td=""></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""></rl<></td></rl<>	<rl< td=""></rl<>
Conclusion: REACH regulation (EC) No amendment Annex XVII entries 51 and		nd its		Pass	Pass	Pass
		Т	est No.	T004	T005	T006
		Mate	rial No.	M014	M016 +	M019 +
					M017 + M018	M020
Test Parameter	CAS NO	Unit	RL	Result	Result	Result
Diethylhexyl phthalate (DEHP)	117-81-7	%	0.005	< RL	< RL	< RL
Dibutyl phthalate (DBP)	84-74-2	%	0.005	< RL	< RL	< RL
Benzylbutyl phthalate (BBP)	85-68-7	%	0.005	< RL	< RL	< RL
Diisobutyl phthalate (DIBP)	84-69-5	%	0.005	< RL	< RL	< RL
Sum (DEHP+DBP+BBP+DIBP)	-	%	0.005	<rl< td=""><td><rl< td=""><td><rl< td=""></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""></rl<></td></rl<>	<rl< td=""></rl<>
Diisononyl phthalate (DINP)	28553-12-0, 68515-48-0	%	0.005	< RL	< RL	< RL
Diisodecyl phthalate (DIDP)	26761-40-0, 68515-49-1	%	0.005	< RL	< RL	< RL
Di-n-octyl phthalate (DNOP)	117-84-0	%	0.005	< RL	< RL	< RL
Sum (DINP+ DIDP+ DNOP)		%	0.005	<rl< td=""><td><rl< td=""><td><rl< td=""></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""></rl<></td></rl<>	<rl< td=""></rl<>
Conclusion: REACH regulation (EC) No amendment Annex XVII entries 51 and		nd its	1	Pass	Pass	Pass



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	est No.	T007		
		Mate	rial No.	M021 +
				M022
Test Parameter	CAS NO	Unit	RL	Result
Diethylhexyl phthalate (DEHP)	117-81-7	%	0.005	< RL
Dibutyl phthalate (DBP)	84-74-2	%	0.005	< RL
Benzylbutyl phthalate (BBP)	85-68-7	%	0.005	< RL
Diisobutyl phthalate (DIBP)	84-69-5	%	0.005	< RL
Sum (DEHP+DBP+BBP+DIBP)	-	%	0.005	<rl< td=""></rl<>
Diisononyl phthalate (DINP)	28553-12-0,	%	0.005	< RL
	68515-48-0			
Diisodecyl phthalate (DIDP)	26761-40-0,	%	0.005	< RL
	68515-49-1			
Di-n-octyl phthalate (DNOP)	117-84-0	%	0.005	< RL
Sum (DINP+ DIDP+ DNOP)		%	0.005	<rl< td=""></rl<>
Conclusion: REACH regulation (EC) No. amendment Annex XVII entries 51 and 5	Pass			

Abbreviation: < = less than

RL = Reporting Limit % = percentage

Remark:



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

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

Denote:

Examples of articles that are excluded from the restriction

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



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7.Total Cadmium Content

Test Method: For plastic: EN 1122:2001 (method B)

For metal and other material: Acid digestion, analyzed by AAS/ ICP-OES

Test Result:

Test No.	Material No.	Test Parameter	Unit	RL	Test Result
	M007 +	Trial 1	mg/kg	10	< RL
T001	M008 +	Trial 2	mg/kg	10	< RL
	M009	Average	mg/kg	10	< RL
	14040	Trial 1	mg/kg	10	< RL
T002	M010 + M013	Trial 2	mg/kg	10	< RL
	in o ro	Average	mg/kg	10	< RL
	14044	Trial 1	mg/kg	10	< RL
T003	M011 + M012	Trial 2	mg/kg	10	< RL
	IVIOTZ	Average	mg/kg	10	< RL
		Trial 1	mg/kg	10	< RL
T004	M014	Trial 2	mg/kg	10	< RL
		Average	mg/kg	10	< RL
	M016 +	Trial 1	mg/kg	10	< RL
T005	M017 +	Trial 2	mg/kg	10	< RL
	M018	Average	mg/kg	10	< RL
		Trial 1	mg/kg	10	< RL
T006	M019 + M020	Trial 2	mg/kg	10	< RL
	10.020	Average	mg/kg	10	< RL
	14004	Trial 1	mg/kg	10	< RL
T007	M021 + M022	Trial 2	mg/kg	10	< RL
	IVIUZZ	Average	mg/kg	10	< RL

Abbreviation: < = less than

RL = Reporting Limit

mg/kg = milligram per kilogram



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Remark:

*Regulations on Cadmium

		Maximum Permissible Limit					
EU	Legislation	Plastic materials	Paint (wet state)	Paint on the painted articles	Paint (high zinc content)	Metal parts of jewellery and imitation jewellery articles and hair assessories	
EC	REACH regulation (EC) No. 1907/2006 Annex XVII Item 23 and its amendments (EC) No. 552/2009, (EU) No. 494/2011, (EU) No. 835/2012 and (EU) No. 217/2016.	100mg/kg	100mg/kg	1000mg/kg	1000mg/kg	100mg/kg	

		Maximum Permissible Limit
Country	Legislation	Paint, plastic, plating/ coating of surface treatment
Switzerland	Switzerland Chemikalien- Risikoreduktions-Verordnung- ChemRRV, 814.81, 18 May 2005	100mg/kg



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8. Polycyclic aromatic hydrocarbons (PAHs)

Test Method: Organic solvent extraction, GCMS

	est No.	T001	T002	T003		
	M007 + M008 + M009	M010 + M013	M011 + M012			
Test Parameter	CAS NO	Unit	RL	Result	Result	Result
Benzo[a]anthracene (BaA)	56-55-3	mg/kg	0.1	< RL	< RL	< RL
Benzo[a]pyrene(BaP)	50-32-8	mg/kg	0.1	< RL	< RL	< RL
Benzo[b]fluoranthene (BbFA)	205-99-2	mg/kg	0.1	< RL	< RL	< RL
Benzo[k]fluoranthene (BkFA)	207-08-9	mg/kg	0.1	< RL	< RL	< RL
Benzo[j]fluoranthene (BjFA)	205-82-3	mg/kg	0.1	< RL	< RL	< RL
Benzo[e]pyrene (BeP)	192-97-2	mg/kg	0.1	< RL	< RL	< RL
Chrysene (CHR)	218-01-9	mg/kg	0.1	< RL	< RL	< RL
Dibenzo[a,h]anthracene (DBAhA)	53-70-3	mg/kg	0.1	< RL	< RL	< RL

	est No.	T004	T005	T006		
	M014	M016 + M017 + M018	M019 + M020			
Test Parameter	CAS NO	Unit	RL	Result	Result	Result
Benzo[a]anthracene (BaA)	56-55-3	mg/kg	0.1	< RL	< RL	< RL
Benzo[a]pyrene(BaP)	50-32-8	mg/kg	0.1	< RL	< RL	< RL
Benzo[b]fluoranthene (BbFA)	205-99-2	mg/kg	0.1	< RL	< RL	< RL
Benzo[k]fluoranthene (BkFA)	207-08-9	mg/kg	0.1	< RL	< RL	< RL
Benzo[j]fluoranthene (BjFA)	205-82-3	mg/kg	0.1	< RL	< RL	< RL
Benzo[e]pyrene (BeP)	192-97-2	mg/kg	0.1	< RL	< RL	< RL
Chrysene (CHR)	218-01-9	mg/kg	0.1	< RL	< RL	< RL
Dibenzo[a,h]anthracene (DBAhA)	53-70-3	mg/kg	0.1	< RL	< RL	< RL



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	est No.	T007		
	M021 + M022			
Test Parameter	CAS NO	RL	Result	
Benzo[a]anthracene (BaA)	56-55-3	mg/kg	0.1	< RL
Benzo[a]pyrene(BaP)	50-32-8	mg/kg	0.1	< RL
Benzo[b]fluoranthene (BbFA)	205-99-2	mg/kg	0.1	< RL
Benzo[k]fluoranthene (BkFA)	207-08-9	mg/kg	0.1	< RL
Benzo[j]fluoranthene (BjFA)	205-82-3	mg/kg	0.1	< RL
Benzo[e]pyrene (BeP)	192-97-2	mg/kg	0.1	< RL
Chrysene (CHR)	218-01-9	mg/kg	0.1	< RL
Dibenzo[a,h]anthracene (DBAhA)	53-70-3	mg/kg	0.1	< RL

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 oralcavity, 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, racquetshousehold utensils, trolleys, walking frames tools for domestic use clothing, footwear, gloves and sportswearwatch-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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9. Organotin compounds content

Test Method: Organic solvent extraction, GCMS

Ref. to ISO/TS 16179:2012

	Test No.	T001	T002		
			Material No.	M007 + M008 + M009	M016 + M017 + M018
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result
TBT(Tributyltin) by weight of tin	%	0.01		< RL	< RL
TPT(Triphenyltin) by weight of tin	%	0.01		< RL	< RL
TOT(Trioctyltin) by weight of tin	%	0.01		< RL	< RL
TCyT(Tricyclohexyltin) by weight of tin	%	0.01		< RL	< RL
TPrT(Tripropyltin) by weight of tin	%	0.01		< RL	< RL
Sum of Tin of tri- substituted organotins	%	NA	0.1	<rl< td=""><td><rl< td=""></rl<></td></rl<>	<rl< td=""></rl<>
DBT(Dibutyltin) by weight of tin	%	0.01	0.1	< RL	< RL
DOT(Dioctyltin) by weight of tin	%	0.01	0.1	< RL	< RL

Abbreviation: < = less than

RL = Reporting Limit % = percentage NA = Not Applicable



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Remark:

- Single components with an amount of <0.01% were not considered in the calculation of the sum. In the case of all five tri-substituted organities were not detected, the result is stated < RL
- The assessment for tri-substituted organotins is based on the sum of TBT, TPT, TOT, TCyT and TPrT by weight of tin only.
- *** According to REACH Regulation (EC) No. 1907/2006 Annex XVII Entry 20 and amendment Commission Regulation (EU) No. 276/2010 (formerly known as 2009/425/EC), organostannic compounds shall not be used or be placed on the market.

Type of organostannic compounds	Maximum Permissible Limit	Implementation date
Tri-substituted organostannic compounds, e.g. tributyltin (TBT) compounds and triphenyltin (TPT) compounds	0.1 % by weight of tin	1 July 2010
Dibutyltin (DBT) compounds in mixtures and articles for supply to the general public	0.1 % by weight of tin	1 January 2012 The below products will not be applicable until 1 January 2015: - one-component and two-component room temperature vulcanisation sealants (RTV-1 and RTV-2 sealants) and adhesives, - paints and coatings containing DBT compounds as catalysts when applied on articles, - soft polyvinyl chloride (PVC) profiles whether by themselves or coextruded with hard PVC, - fabrics coated with PVC containing DBT compounds as stabilisers when intended for outdoor applications, - outdoor rainwater pipes, gutters and fittings, as well as covering material for roofing and facades
Dioctyltin (DOT) compounds - textile articles intended to come into contact with the skin, - gloves, - footwear or part of footwear intended to come into contact with the skin, - wall and floor coverings - childcare articles, - female hygiene products, - nappies, - two-component room temperature vulcanisation moulding kits (RTV-2 moulding kits)	0.1 % by weight of tin	1 January 2012



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10.Benzene content

Test Method: Organic solvent extraction, GCMS

Test Result:

Test No.	Material No.	Test Parameter	Unit	RL	Test Result
T001	M007 + M008 + M009	Benzene	mg/kg	1	< RL
T002	M010 + M013	Benzene	mg/kg	1	< RL
T003	M011 + M012	Benzene	mg/kg	1	< RL

Abbreviation: < = less than

RL = Reporting Limit

mg/kg = milligram per kilogram

Remark:

The requirement is following to REACH regulation (EC) No. 1907/2006 and amendment no. 552/2009 Annex XVII Entry 5 (formerly known as 76/769/EC):

Item	Maximum Permissible Limit
Toy or part of toy placed on the market	5 mg/kg of the weight
Substances or preparations placed on the market	< 0.1 % (1000 mg/kg) by weight



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11. Short Chain Chlorinated Paraffin (SCCP)

Test Method: Leather Materials: ISO 18219:2015

Non-Leather Materials: CADS method

Test result:

Test No.	Material No.	Test Parameter	Unit	RL	Result
T001	M014	SCCP	%	0.01	< RL
T002	M016 + M017 + M019	SCCP	%	0.01	< RL
T003	M020 + M021 + M022	SCCP	%	0.01	< RL

Abbreviation: < = less than

RL = Reporting Limit

SCCP = Short Chain Chlorinated Paraffin C₁₀-C₁₃

% = Percentage

Remark:

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

Alkanes C ₁₀ -C ₁₃ , 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



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12.Microbial Contamination

Test Method: Ref. European Pharmacopeia 10th edition, Chapter 2.6.12 & 2.6.13

Ref. British Pharmacopeia Volume IV, Appendix XVI B, Methods 1&2, 2019 Ref. Japanese Pharmacopeia Volume XIV, Supplement I, Ch. 4.05, 2009

Ref. United States Pharmacopeia Volume 42, NF 37, General Chapter 61 & 62, 2019

Test Result:

Test No.	T001	
Material No.	M007	
	Test Result	
Total Viable Aerobic Count		
Total Aerobic Microbial Count (TAMC)	<10 CFU/g	
Total Combined Yeasts and Molds Count (TYMC)	<10 CFU/g	
Specified Micro-Organisms		
Staphylococcus aureus	Absent in 1g	
Pseudomonas aeruginosa	Absent in 1g	
Salmonella	Absent in 10g	
Escherichia coli	Absent in 1g	
Bile-Tolerant Gram-Negative Bacteria	Absent in 1g	
Clostridia	Absent in 1g	
Candida albicans	Absent in 1g	
Test No.	T002	
Material No.	M008	
	Test Result	
Total Viable Aerobic Count		
Total Aerobic Microbial Count (TAMC)	<10 CFU/g	
Total Combined Yeasts and Molds Count (TYMC)	<10 CFU/g	
Specified Micro-Organisms		
Staphylococcus aureus	s aureus Absent in 1g	
Pseudomonas aeruginosa	Absent in 1g	
Salmonella	Absent in 10g	
Escherichia coli	Absent in 1g	
Bile-Tolerant Gram-Negative Bacteria	Absent in 1g	
Clostridia	Absent in 1g	
Candida albicans	Absent in 1g	



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Test No.	T003
Material No.	M009
	Test Result
Total Viable Aerobic Count	
Total Aerobic Microbial Count (TAMC)	<10 CFU/g
Total Combined Yeasts and Molds Count (TYMC)	<10 CFU/g
Specified Micro-Organisms	1
Staphylococcus aureus	Absent in 1g
Pseudomonas aeruginosa	Absent in 1g
Salmonella	Absent in 10g
Escherichia coli	Absent in 1g
Bile-Tolerant Gram-Negative Bacteria	Absent in 1g
Clostridia	Absent in 1g
Candida albicans	Absent in 1g
Test No.	T004
Material No.	M010
	Test Result
Total Viable Aerobic Count	
Total Aerobic Microbial Count (TAMC)	<10 CFU/g
Total Combined Yeasts and Molds Count (TYMC)	<10 CFU/g
Specified Micro-Organisms	1
Staphylococcus aureus	Absent in 1g
Pseudomonas aeruginosa	Absent in 1g
Salmonella	Absent in 10g
Escherichia coli	Absent in 1g
Bile-Tolerant Gram-Negative Bacteria	Absent in 1g
Clostridia	Absent in 1g



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Test No.	T005
Material No.	M011
	Test Result
Total Viable Aerobic Count	
Total Aerobic Microbial Count (TAMC)	<10 CFU/g
Total Combined Yeasts and Molds Count (TYMC)	<10 CFU/g
Specified Micro-Organisms	
Staphylococcus aureus	Absent in 1g
Pseudomonas aeruginosa	Absent in 1g
Salmonella	Absent in 10g
Escherichia coli	Absent in 1g
Bile-Tolerant Gram-Negative Bacteria	Absent in 1g
Clostridia	Absent in 1g
Candida albicans	Absent in 1g
Test No.	T006
Material No.	M012
	Test Result
Total Viable Aerobic Count	
Total Aerobic Microbial Count (TAMC)	<10 CFU/g
Total Combined Yeasts and Molds Count (TYMC)	<10 CFU/g
Specified Micro-Organisms	
Staphylococcus aureus	Absent in 1g
Pseudomonas aeruginosa	Absent in 1g
Salmonella	Absent in 10g
Escherichia coli	Absent in 1g
Bile-Tolerant Gram-Negative Bacteria	Absent in 1g
Clostridia	Absent in 1g
Candida albicans	Absent in 1g



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Test No.	T007
Material No.	M013
	Test Result
Total Viable Aerobic Count	
Total Aerobic Microbial Count (TAMC)	<10 CFU/g
Total Combined Yeasts and Molds Count (TYMC)	<10 CFU/g
Specified Micro-Organisms	
Staphylococcus aureus	Absent in 1g
Pseudomonas aeruginosa	Absent in 1g
Salmonella	Absent in 10g
Escherichia coli	Absent in 1g
Bile-Tolerant Gram-Negative Bacteria	Absent in 1g
Clostridia	Absent in 1g
Candida albicans	Absent in 1g

Abbreviation: < denotes less than

CFU/g denotes Colony Forming Unit per gram CFU/ml denotes Colony Forming Unit per milliliter

Present means "Detected"; Absent means "Not Detected"

Remark:

*1 If the result is "< 10 CFU/g or CFU/ml", it means no microbial colony was detected on agar plate in 10 fold dilution.

^{*2} The result should be based on submitted sample only, the nature and processing of product should not be taken into account.



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Sample Photos



11004



21001



31000



41001



41118



11004 inside



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Sample Photos



21001 inside



31000 inside-1



31000 inside-2



41001 inside



41118 inside





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Sample Photo



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

- These General Terms and Conditions of Business of TÜV Rheinland in Greater China ("GTCB") is made between the client and one or more member entities of TÜV Rheinland in Greater China as applicable as the case may be ("TÜV Rheinland"). The Greater China hereof refers to Mainland China, Hong Kong and Taiwan. The client hereof includes:
- 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; (i)
- the incorporated or unincorporated entity duty organized, validly existing and capable to form legally binding contracts under the applicable law.

 The following terms and conditions apply to agreed services including consultancy services, information, deliveries and similar services as well as ancillary services and other secondary obligations provided within the scope of contract performance.
- Any standard terms and conditions of the client of any nature shall not apply and shall hereby be expressly excluded. No standard contractual terms and conditions of the client shall form part of the contract even if TÜV Rheinland does not explicitly object to them.
- In the context of an ongoing business relationship with the client, this GTCB shall also apply to future contracts with the client without TÜV Rheinland having to refer to them separately in each individual

Unless otherwise agreed, all quotations submitted by TÜV Rheinland can be changed by TÜV Rheinland without notice prior to its acceptance and confirmation by the other party.

Coming into effect and duration of contracts

- Coming into eriect and outstand or contracts.

 The contract shall come into effect for the agreed terms upon the quotation letter of TÜV Rheinland or a separate contractual document being signed by both contracting parties, or upon the works without receiving a quotation from TÜV Rheinland (quotation), TÜV Rheinland is, in its sole discretion, entitled to accept the order by giving written notice of such acceptance (including notice sent via electronic means) or by performing the requested services.
- 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.
- If the contract provides for an extension of the contract term, the contract term will be extended by the term provided for in the contract unless terminated in writing by either party with a six-week notice notice to the end of the contractual terminated.

- 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.
- The agreed services shall be performed in compliance with the regulations in force at the time the contract is entered into.
- TÜV Rheinland is entitled to determine, in its sole discretion, the method and nature of the ssessment unless otherwise agreed in writing or if mandatory provisions require a specific rocedure to be followed.
- procedure to be intowed.

 On execution of the work there shall be no simultaneous assumption of any guarantee of the correctness (proper quality) and working order of either tested or examined parts nor of the installation as a whole and its upstream and/or downstream processes, organisations, use the and application in accordance with regulations, nor of the systems on which the installation is based. In particular, TUN Phin-lands shall assume no responsibility for the construction, selection of materials and assembly of installations examined, nor for their use and application in accordance with regulations, unless these questions are expressly converted by the contract.
- case of inspection work, TÜV Rheinland shall not be responsible for the accuracy or checking safety programmes or safety regulations on which the inspections are based, unless otherwise sly agreed in writing.
- f mandatory legal regulations and standards or official requirements for the agreed service scope change after conclusion of the contract, with a written notice to the client, TÜV Rheinland shall be entitled to additional remuneration for resulting additional expenses.
- 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 justifying confidence in the work results (test reports, test results, expert reports, etc.) and of the agreed services. This also applies if the client passes on work results in full or in extracts to third parties in accordance with clauses 11.4.

- The contractually agreed periods/dates of performance are based on estimates of the work involved which are prepared in line with the details provided by the client. They shall only be binding if being confirmed as binding by TÜV Rheinland in writing.
- 5.2 If binding periods of performance have been agreed, these periods shall not commence until the client has submitted all required documents to $T\bar{U}V$ Rheinland.
- 5.3 Articles 5.1 and 5.2 also apply, even without express approval by the client, to all extensions of agreed periods/dates of performance not caused by $T\bar{U}V$ Rheinland.
- TÜV Rheinland is not responsible for a delay in performance, in particular if the client has not fulfilled his duties to cooperate in accordance with clause 6.1 or has not done so in time and, in particular, has not provided TÜV Rheinland with all documents and information required for the performance of the service as specified in the contract.
- 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

- 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.
- Design documents, supplies, auxiliary staff, etc. necessary for performance of the services shall made available free of charge by the client. Moreover, collaborative action of the client must undertaken in accordance with legal provisions, is standards, safety regulations and accid prevention instructions. And the client represents and warrants that:

a) it has required statutory qualifications;

- 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.
- If the client breaches the aforesaid representations and warranties, TÜV Rheinland is entitled to i) immediately terminate the contract/order without prior notice; and ii) withdraw the issued testing report/oerfictaets if any.

- If the scope of performance is not laid down in writing when the order is placed, invoicing shall be assed on costs actually incurred. If no price is agreed in writing, invoicing shall be made in scordance with the price list of TUV Rheinland valid at the time of performance.
- ise agreed, work shall be invoiced according to the progress of the work.
- 7.3 If the execution of an order extends over more than one month and the value of the contract or the agreed fixed price exceeds €2,500.00 or equivalent value in local currency, TÜV Rheinland may demand payments on account or in installments.

- All invoice amounts shall be due for payment without deduction on receipt of the invoice discounts and rebates shall be granted.
- Payments shall be made to the bank account of TÜV Rheinland as indicated on the invoice, stating the invoice and client numbers.
- n cases of default of payment, TÜV Rheinland shall be entitled to claim default interest at the pplicable short term loan interest rate publicly announced by a reputable commercial bank in the country where TÜV Rheinland is located. At the same time, TÜV Rheinland reserves the right to laim further damages.
- 8.4 Should the client default in payment of the invoice despite being granted a reasonable grace period, TÜV Rheinland shall be entitled to cancel the contract, withdraw the certificate, claim damages for non-performance and refuse to continue performance of the contract.
- The provisions set forth in article 8.4 shall also apply in cases involving returned cheques, cessation of payment, commencement of insolvency proceedings against the client's assets or cases in which the commencement of insolvency proceedings has been dismissed due to lack of assets.
- Objections to the invoices of TÜV Rheinland shall be submitted in writing within two weeks of receipt of the invoice.
- TÜV Rheinland shall be entitled to demand appropriate advance payments
 - TUV Rheinand shall be entitled to raise is fees at the beginning of a month if overheads and/or purchase costs have increased. In this case, TUV Rheinland shall notify the client in writing of the purchase costs have increased. In this case, TUV Rheinland shall notify the client in writing of the shall come line feller (period of notice of changes in fees). If the rise in fees emains under 50 contractual year, the client shall not have the right to terminate the contract. If the rise in fees exceeds 5% per contractual year, the client shall be entitled to terminate the contract by the contractual year. The client shall not have the right to terminate the contract by the cheered to have been agreed upon type the time of the apply of the notice period becomed to have been agreed upon type the time of the apply of the notice period
- Only legally established and undisputed claims may be offset against claims by TÜV Rheinland.
- TÜV Rheinland shall have the right at all times to setoff any amount due or payable by the clie including but not limited to setoff against any fees paid by the client under any contracts, agreeme and/or orders/quotations reached with TÜV Rheinland.

- 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.
- oceptance is required or contractually agreed in an individual case, this shall be deemed to have an aloac two (2) weeks after completion and handover of the work, unless the client refuses eptance within this period stating at least one fundmental breach of contract by TÜV Rheinland.
- The client is not entitled to refuse acceptance due to insignificant breach of contract by TÜV Rheinland
- If acceptance is excluded according to the nature of the work performance of TÜV Rheinland, the completion of the work shall take its place.
- Competion or law work shall take its place.

 During the Follow-Audit stage, if the client was unable to make use of the time windows provided for within the scope of a certification procedure for auditing-plentomance by TUN Whinhindan and the client stage of the post of
- Insofar as the clinical management of the contract to accept services, TUV Rheinland shall also be entitled to harge lump-sum damages in the amount of 10% of the order amount as compensation for expenses if the service is not called within one year after the order has been placed. The client reserves the right to prove that the TUV Rheinland has incurred no damage whatsoever or only a considerably loved redamage than the above mentioned fump sum.

10. Confidentiality

- purpose of these terms and conditions, "confidential information" means all know-how, trade secrets, documents, images, drawings, expertise, information, data, test results, reports, samples, project documents, pricing and financial information, customer and supplier information, and marketing to the control of the provision of services by TUV Rheinfand. TUV Rheinfand and not proprietary to cellected, complied or otherwise obtained by TUV Rheinfand in convention with the provision of services by TUV Rheinfand. TUV Rheinfand is entitled to scheme, use, further develop and pass on the data obtained in convention with the provision of services store, use, further develop and pass on the data obtained in convention with the provision of services store, use, further develop and pass on the data obtained in convention with the provision of services store, use, further develop and pass on the data obtained in convention with the provision of services store, use, further develop and pass on the data obtained in convention with the provision of services services, 10.2 The declaring party shall confirm in writing the confidential information transmitted by e-mail. If confidential information is disclosed onally, the receiving party shall confirm in writing the confidential information transmitted by e-mail. If confidential information is disclosed onally, the receiving party shall confirm in writing the confidential information transmitted by e-mail. If confidential information is disclosed onally, the receiving party shall confirm in writing the confidential information transmitted by e-mail. If confidential information is disclosed onally, the receiving party shall confirm in writing the confidential information and confidential information. Turn writing the confidential information is admitted by e-mail. If confidential information is
- 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:
- may only be used by the receiving party for the purposes of performing the contract, unless expressly otherwise agreed in writing by the disclosing party;
 - may not be copied, distributed, published or otherwise disclosed by the receiving party, unless this is necessary for fulfilling the purpose of the contract or TÜV Rheinland is required to pass on confidential information, inspection reports or documentation to the government authorities, judicial court, accreditation bodies or third parise that are involved in the performance of the contract.
- must be treated by the receiving party with the same level of confidentiality as the receiving party uses to protect its own confidential information, but never with a lesser level of confidentiality than that which is reasonably required.
- The receiving party may disclose any confidential information received from the disclosing party only to those of its employees who need this information to perform the services required for the contract. The receiving party undertakes to oblige these employees to observe the same level of secrecy as set forth in this confidentiality clause.
- Information for which the receiving party can furnish proof that
 - it was generally known at the time of disclosure or has become general knowledge without violation of this confidentiality clause by the receiving party; or
- it was disclosed to the receiving party by a third party entitled to disclose this information; of
- the receiving party developed it itself, irrespective of disclosure by the disclosing party, shall not be deemed to constitute "confidential information" as defined in this confidentiality clause.
 - deemed to constitute 'confidential information' as defined in this confidentiality clause. All confidential information shall remain the property of the disclosing party. The receiving party hereby agrees to immediately (i) return all confidential information, including all copies, to the disclosing party, ander (ii) on request by the disclosing party, to deterry all confidential information, including all copies, and confilm the destruction of this confidential information to the disclosing party in writing, at any time if so requested by the disclosing party but at the latest and without special request after termination or expiry of the contract. This does not extend to include reports and certificates prepared for the client solely for the purpose of thilling the obligations under the contract, reports, certificates and confidential information that forms the basis for preparing these reports and certificates in order to evidence the correctness of its results and for general documentation purposes required by laws, regulations and the requirements of working procedures of TÜV Rheiniand.
- From the start of the contract and for a period of three years after termination or expiry of contract, the receiving party shall maintain strict secrecy of all confidential information and shall disclose this information to any third parties or use it for itself.

Copyrights and rights of use, publications

- TÜV Rhienland shall retain all exclusive copyrights in the reports, expert reports/opinions, reports/results, results, calculations, presentations etc. propared by TÜV Rhienland, ut otherwise agreed by the parties in a separate agreement. As the owner of the copyrights, Rhienland is free to grant others the right to use the work results for individual or all types of (right of use?)
- The client receives a simple, unlimited, non-transferable, non-sublicensable right of use to the contents of the work results produced within the scope of the contract, unless otherwise agreed by the parties in a separate agreement. The client may only use such reports, expert reports/piprions, test reports/results, results calculations, presentations etc. prepared within the scope of the contract for the contractually agreed purpose.
- 11.3 The transfer of right of use of the generated work results regulated in clause 11.2. of the GTCB is subject to full payment of the remuneration agreed in favour of TÜV Rheinland.
 - The client may use work results only complete and unshortened. The client may only pass on the work results in full unless TÜV Rheinland has given its prior written consent to the partial passing on of work results.
 - Any publication or duplication of the work results for advertising purposes or any further use of the work results beyond the scope regulaed in clause 11.2 needs the prior written approval of TÜV Rheinland in aeach individual case
 - TÜV Rheinland may revoke a once given approval according to clause 11.5 at any time without stating reasons. In this case, the client is obliged to stop the transfer of the work results immediately at his own expense and, as far as possible, to withdraw publications.
- 11.7 The consent of TÜV Rheinland to publication or duplication of the work results does not entitle the client to use the corporate logo, corporate design or test/certification mark of TÜV Rheinland.

Liability of TÜV Rheinland

11.5

- Irrespective of the legal basis, to the fullest extent permitted by applicable law, in the event of a breach of contractual obligations or tort, the liability of TÜV Rherinated for all damages, losses and remburament of expenses caused by TÜV Rherinated, is legal representatives and/or employees the entire contract; (ii) in the case of a contract for annually recurring services, the agreed annual fee, (iii) in the case of a contract expressly charged on a time and material basis, a maximum of 20,000 Euro or equivalent amount in local currency, and (iv) in the case of a framework agreement that provides for the possibility of placing individual orders, here times of the fee for the individual under which the damages of losses have occurred. Notwithstanding the above, in the event that the Euro or equivalent amount in local currency, the folial and accomplated liability of TÜV Rheriland Euro or equivalent amount in local currency. The folial and accomplated liability of TÜV Rheriland Euro or equivalent amount in local currency. The folial and accomplated liability of TÜV Rheriland
- The limitation of liability according to article 12.1 above shall not apply to damages a caused by malice, intent or gross negligence on the part of TÜV Rheinland or its vica Such limitation shall not apply to damages for a person's death, physical injury or illness
- In cases involving a fundamental breach of contract. TUV Photorisms will be liable even where micro-neglesence is involved. For this propose, a Findamental beach "is breach of a material contract charges of the performance of which permits the due performance of the contract. Any claim for damages for a fundamental breach of contract shall be limited to the amount of damages reasonably foreseen as a possible consequence of such breach of contract that be little of the breach (reasonably foreseenable damages), unless any of the circumstances described in saticle 122 applies. 12.3
- TÜV Rheinland shall not be liable for the acts of the personnel made available by the client to support TÜV Rheinland in the performance of its aerolicis under the contract, unless such personnel that the support the contract, unless such personnel that has to the personnel made available by the client under the foregoing provision, the client shall indemnity TÜV Rheinland against any claims made by third parties arising from or in connection with such personnels acts. 12.4
- Unless otherwise contractually agreed in writing, TÜV Rheinland shall only be liable under the co to the client.
- 12.7 None of the provisions of this article 12 changes the burden of proof to the disadvantage of the client

- When passing on the services provided by TÜV Rheinland or parts thereof to third parties in Gn China or other regions, the client must comply with the respectively applicable regulations of nat and international export control law.
 - The performance of a contract with the client is subject to the proviso that there are no obstacles to performance due to national or international foreign trade legislations or embargos and/or sanctions. In the event of a violation, TUV Rheinland shall be entitled to terminate the contract with immediate effect and the client shall compensate for the losses incurred thereof by TÜV Rheinland.

Data protection notice

TVD Rheinland rocesses personal data of the client for the purpose of fulfilling this contract. In addison, TVD Rheinland rocesses personal data for cinher legal purposes in accordance with the relevant legal sais. The personal data of the client will only be disclosed to other natural or legal personal final requirements are met. This also applies to transfers to their countries. The personal data will be deleted in the contract of the countries. The personal data will be deleted for the countries of the countries of the countries of the countries. The personal data will be deleted for the countries of the countries of

15. Test materials/samples: transport risk and storage

- 15.1The risk and costs for freight and transport of documents or test materials/samples to and from TÜV Rheinland as well as the costs of necessary disposal measures shall be borne by the client. TÜV Rheinland will be only liable for the direct loss of test materials/samples in the laboratories or warehouses of TÜV Rheinland only in case of gross negligence.
- 15.2Any destroyed and otherwise worthless test materials/samples will be disposed of by TŪV Rheinland for the client at the expense of the client, unless otherwise agreed.
- 15.3Undamaged test materials/samples shall be stored by TÜV Rheinland for four (4) weeks after completion of the test. If a longer storage period is desired, TÜV Rheinland charges an appropriate storage fee.
- 15.4After the expiry of the 4 weeks or any longer period agreed upon, the test materials/samples will be disposed of by TÜV Rheinland for the client for a fee in accordance with clause 15.2.
 - test materials/samples or documentations are given to the client to be placed in storage at their premises, the test material/samples or documentations must be made available to TUV Rheshinds making available the test material/samples and/or documentation, any liability claims for material and pecuniary damage resulting from the respective testing and certification that is brought forward by the client against TUV Rheshinds that be voided.

16. Termination of the contract

- 16.1 Novimbated rig clause 3.3 of the GTOB, TÜV Rharizand and the elient are entitled to terminate the contract.

 In the entiry or, in the sand services combined in one contract, each of the combined parts of the contract individually and independently of the continuation of the trenaining services with six (6) months' notice to the end of the contractually agreed term. The notice period shall be shortened to six (6) weeks in case TÜV Rheinland is prevented from performing the services due to a loss or a suspension of its accretization or notification.
- 16.2For good causes, TÜV Rheinland may consider giving a written notice to the client to terminate the cor which includes but not limited to the following:
 - a) the client does not immediately notify TÜV Rheinland of changes in the conditions within the company which are relevant for certification or signs of such changes;
 - b) the client misuses the certificate or certification mark or uses it in violation of the contract;
 - c) in the event of several consecutive delays in payment (at least three times);
 - ostantial deterioration of the financial circumstances of the client occurs and as a result the payment claims of TÜV Rheinland under the contract are considerably endangered and TÜV Rheinland cannot reasonably be expected to continue the contractual relationship.
 - e) in the event of any serious misrepresentation, be it by intentional fraud or grossly negligent behavior of the managers, employees or agents of the client;
 - f) if TÜV Rheinland, for reasons beyond its control, is temporarily or finally not able or entitled to continue or finalize the performance of the service, e.g. in case of force majeure, government interference, sanctions, loss of accreditation or notification, or other.
- 16.3in the event of termination with written notice by TÜV Rheinland for good cause. TÜV Rheinland shall be erifield to a lump-sum dain for damages against the client if the conditions of a claim for damages exist. It is not supply to the conditions of a claim for damages exist. It is not supply to the condition of the condition of the client for the condition of the condition of the client for th
- 16.4TÜV Rheinland is also entitled to terminate the contract with written notice if the client has not been able to make use of the time windows for auditing iservice provision provided by TÜV Rheinland within the scope performance of monitoring audits). Clisure 16.3 applies accordingly.

- Force Majeure* means the occurrence of an event or circumstance that prevents or impedes a Party from performing one or more of its contractual obligations under the contract, if and to the extent that that Party proves; (a) that such impediment is beyond its reasonable control; and (b) that it could not reasonably have been foreseen at the time of the conclusion of the contract; and (c) that the effects of the impediment could not reasonably have been avoided or overcome by the affected Party. 17.1"Force Majeure" r
- In the absence of proof to the contrary, the following events affecting a Party shall be presumed to fulfill conditions (a) and (b) under paragraph 1 of this Clause: (i) war (whether declared or not), hostillities, invasion, act of foreign enemies, extensive millitary mobilization; (i) civil var, for theblicn and revolution, millitary or usurped power, insurrection, act of terrorism, sabotage or piracy; (iii) currency and trade restriction, enthages, scandior; (ii) extensive this will or ulantaful, concipiance with any law or governmental order, expropriation, secture of works, requisition, nationalization; (p) alignue, epidemic, natural disaster or detiene natural evert; (i) explosion, in, destruction of expressive the device of the propriation of the propriatio
- as boycut, strike and lock-out, go-alow, occupation of factories and premises.

 The Party successfully invoking this Clause is reliased from its day to perform its chigations under the centract and from any liability in damages or from any other contractual remedy for breach of contract from the time at which the impediment causes inability to perform, provided that the notice thereof is given without delay, it notice thereof is not given without delay, the relief is effective from the time at which notice thereof reaches the other Party. Where the effect of the impediment or event invoked is temporary, the above consequences shall apply only as long as the impediment invoked missed performance by the affected Party. Where the duration of the impediment invoked has the effect of substantially depriving the contracting Parties of what they were reasonably entitled to expect under the contract, either Party lies the right to eleminate the contract by profitted to expect under the contract, the profit is the profit of the pro

- 18.1The Parties are bound to perform their contractual duties even if events have rendered performance more onerous than could reasonably have been anticipated at the time of the conclusion of the contract.
- 18.2. Notwithstanding paragraph 1 of this Clause, where a Party proves that:
- (a) the continued performance of its contractual duties has become excessively onerous due to an event beyond its reasonable control which it could not reasonably have been expected to have taken into account at the time of the conclusion of the contract; and that
- (b) it could not reasonably have avoided or overcome the event or its consequences, the Parties are bound, within a reasonable time of the invocation of this Clause, to negotiate alternative contractual terms which reasonably allow to overcome the consequences of the event.
- rec Clause 182 applies, but where the Parties have been unable to agree alternative contractual terms as vided in that paragraph, the Party invoking this Clause is entitled to terminate the contract, but cannot uest adaptation by the judge or arbitrator without the agreement of the other Party.

rtial invalidity, written form, place of jurisdiction and dispute resolution

- All amendments and supplements must be in writing in order to be effective. This also applies to amendments and supplements to this clause 17.1.
- Should one or several of the provisions under the contract and/or these terms and conditions be or become ineffective, the contracting parties shall replace the invalid provision with a legally valid provision that comes closest to the content of the invalid provision in legal and commercial terms.
- Unless otherwise stipulated in the contract, the governing law of the contract and these terms and conditions shall be chosen following the rules as below:
- if TÜV Rheinland in question is legally registered and existing in the People's Republic of China, the contracting parties hereby agree that the contract and these terms and conditions shall be governed by the laws of the People's Republic of China. if TÜV Rheinland in question is legally registered and existing in Taiwan, the contracting parties hereby agree that the contract and these terms and conditions shall be governed by the laws of Taiwan.
- if TÜV Rheinland in question is legally registered and existing in Hong Kong, the contracting parties hereby agree that the contract and these terms and conditions shall be governed by the laws of Hong
- Any dispute in connection with the contract and these terms and conditions or the execution thereof shall be settled friendly through negotiations. ass otherwise stipulated in the contract, if no settlement or no agreement in respect of the extension of the negotiation period can be reached within two months of the arising of the dispute, the dispute shall be submitted:
- in the case of TÜV Rheinland in question being legally registered and existing in the Reogle's Republic of China. to China International Economic and Trade Arbitration Commission (CIETAC) to be settled arbitration under the Arbitration Rules of CIETAC in force when the arbitration is submisted. The arbitration shall take place in Beijing, Shanghai, Shenzhen or Chongqing as appropriately chosen by the claiming party.
- in the case of TÜV Rheinland in question being legally registered and existing in Taiwan, to Chinese Arbitration Association, Taipei to be arbitrated in accordance with its then current Rules of Arbitration. The arbitration shall take place in Taipei.
- the case of TÜV Rheinland being legally registered and existing in Hong Kong, to Hong Kong emational Arbitration Centre (HKIAC) to be settled by arbitration under the HKIAC Administered obiration Rules in force when the Notice of Arbitration is submitted in accordance with these rules. The intration shall takes place in Hong Kong.
- The decision of the relevant arbitration tribunal shall be final and binding on both parties. The arbitration fee shall be borne by the losing party.