

New

Laboratory:

TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch

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Purpose Of Examination / Conclusion:

No.	Test Item(s)	Conclusion
1.	EN71-3:2019 - Migration of certain elements	Pass
2.	Total Lead	Pass
	Regulation (EC) No.1907/2006 (REACH) Annex XVII, Entry 63 and its	
	amendment Regulation (EU) 2015/628	
3.	Polycyclic Aromatic Hydrocarbons (PAHs)	Pass
	Test according to German Committee on Product Safety (AfPS) AfPS GS	
	2014:01 PAK Solvent extraction followed by GC-MS analysis	
4.	Phthalates	Pass
	Regulation (EC) No.1907/2006 and its amendment	
	Regulation (EC) No. 2018/2005 (REACH) Annex XVII, Entry 51 and 52.	
5.	Short-Chain Chlorinated Paraffins (SCCP) Test	Pass
	POPs Regulation (EU) 2019/1021	
6.	Total Cadmium	Pass
	Regulation (EU) 2016/217, amending Annex XVII to Regulation (EC) No.	
	1907/2006 Entry 23.	

Remarks:

(1) The results relate only to the items tested.

(2) Samples are tested as received.

(3) "Pass" means the measured result is within a limit, even when extended by expanded uncertainty. "Fail" means the measured result is beyond a limit, even when extended by expanded uncertainty. "Inconclusive" means the measured result can be within or beyond a limit when extended by expanded uncertainty. The confidence level of the expanded uncertainty for "pass", "Fail" and "Inconclusive" is 95%.

(4) This report supersedes previous report 68.300.19.09064.01 issued on 2019-10-17.

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Description of the Test Sample: 1.

Sample Description	Scooter	

2. List of Materials as identified by the Laboratory:

T. No.	Sample No.	Colour and Description	Photograph
T1	001	Bright blue with black & transparent coating on metal (T-tube & deck)	
T2	002	Black foam (Handle grips)	

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T. No.	Sample No.	Colour and Description	Photograph
Т3	003	Black plastic (Buckle of braces)	
T4	004	Black plastic (Cap of handle grip, grip holder & insert of deck)	
T5	005	Light grey plastic (Rim of wheel)	
Т6	006	Translucent plastic (Fork protector)	
Τ7	007	Black elastic rope (In handle grips)	013
Т8	008	White adhesive plastic sheet with yellow, red & black printing (Warning label)	007 012
Т9	009	White adhesive plastic sheet with white & black surface (Decal, on deck)	DOP DOP DOP DOP DOP

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T. No.	Sample No.	Colour and Description	Photograph
T10	010	Transparent soft plastic (Wheel)	
T11	011	Black/white fabric strap (Braces)	
T12	012	Silvery metal (T-tube)	025
T13	013	Silvery metal (Lock pin in handle grips)	010
T14	014	Silvery metal solder (On T-tube)	015
T15	015	Silvery metal (Quick release, collar, head seat & fork)	016
T16	016	Silvery metal (Lever of quick release)	
T17	017	Silvery metal Bolt (On quick release)	018
T18	018	Silvery metal bolt (Axle of wheel)	017
T19	019	Black plated metal washer (On fork)	
T20	020	Silvery metal bolt (On fork)	IDELG IDR
T21	021	Silver-grey plated metal (Hook of braces)	
T22	022	Silvery metal (Extension tube)	
T23	023	Silvery metal (Deck)	019+020

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T. No.	Sample No.	Colour and Description	Photograph
T24	024	Silvery metal (Folding lever)	
T25	025	Silvery metal spring (Back of deck)	



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3. **Test Results**

3.1 **Migration of certain elements**

With reference to Directive 2009/48/EC and its amendment Commission Directive (EU) 2018/725 on the Safety of Toys

Sample preparation with reference to EN 71-3 : 2019 Migration of certain elements.

As stated in the above specifications. Heavy metal analysis was determined by Inductively Coupled Plasma Spectrometry (ICP-OES) and Inductively Coupled Plasma Mass Spectrometry (ICP-MS).

Migration Elements	F	Results [mg/kɑ	9]	Maximum Permissible Limits [mg/kg]
	Sample 001	Sample 002	Sample 003	Category 3
Soluble Aluminum	10330.0	35.3	8.04	70000
Soluble Antimony	<5.00	<5.00	<5.00	560
Soluble Arsenic	<2.50	<2.50	<2.50	47
Soluble Barium	5.78	<5.00	<5.00	18750
Soluble Boron	25.4	<5.00	<5.00	15000
Soluble Cadmium	<5.00	<5.00	<5.00	17
Soluble Chromium	0.360 ^{#1}	0.198 ^{#1}	<0.15 ^{#1}	CrIII: 460mg/kg CrVI: 0.053mg/kg
Soluble Chromium III	0.360	0.198	<0.15	460
Soluble Chromium VI	< 0.04 ^{#2}	< 0.04 ^{#2}	< 0.04 ^{#2}	0.053
Soluble Cobalt	<5.00	<5.00	<5.00	130
Soluble Copper	<5.00	<5.00	<5.00	7700
Soluble Lead	<5.00	<5.00	<5.00	23
Soluble Manganese	<5.00	<5.00	<5.00	15000
Soluble Mercury	<5.00	<5.00	<5.00	94
Soluble Nickel	<5.00	<5.00	<5.00	930
Soluble Selenium	<5.00	<5.00	<5.00	460
Soluble Strontium	<5.00	<5.00	<5.00	56000
Soluble Tin	3.83	<3.00	<3.00	180000
Organic Tin	<7.00 ^{#4}	<7.50 [#] 3	<7.50 [#] 3	12
Soluble Zinc	23.4	198.9	<5.00	46000
Conclusion	Pass	Pass	Pass	-

Remarks: The surface coating samples with sample weight less than 100 mg, were assumed to be 100 mg in calculation

Actual weight of sample(s) used for analysis which are less than 100 mg.

Sample 001 : 51.6mg

- Note 1. "<" denotes less than
 - 2. "mg/kg" denotes milligram per kilogram
 - 3. Limit of ChromiumVI (0.053 mg/kg) will be effective from November 18, 2019 according to Commission Directive (EU) 2018/725.
 - 4. "#1" denotes Chromium III and Chromium VI are determined by screening of total Chromium
 - 5. "#2" denotes Chromium (VI) is determined by LC-ICP-MS and Chromium (III) is calculated by [Total chromium -Chromium (VI)].
 - 6. "#3" denotes Organic Tin is determined by screening of total Tin express as Tributyl Tin
 - 7. "#4" denotes Organic Tin is determined by GC-MS express as Tributyl Tin

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Migration Flomento	F	Results [mg/kç	1]	Maximum Permissible Limits [mg/kg]
Migration Elements	Sample 004	Sample 005	Sample 006	Category 3
Soluble Aluminum	6.41	7.85	<5.00	70000
Soluble Antimony	<5.00	<5.00	<5.00	560
Soluble Arsenic	<2.50	<2.50	<2.50	47
Soluble Barium	<5.00	<5.00	<5.00	18750
Soluble Boron	<5.00	<5.00	<5.00	15000
Soluble Cadmium	<5.00	<5.00	<5.00	17
Soluble Chromium	<0.15 ^{#1}	<0.15 ^{#1}	0.276 ^{#1}	CrIII: 460mg/kg CrVI: 0.053mg/kg
Soluble Chromium III	<0.15	<0.15	0.276	460
Soluble Chromium VI	< 0.04 ^{#2}	< 0.04 [#] 2	< 0.04 ^{#2}	0.053
Soluble Cobalt	<5.00	<5.00	<5.00	130
Soluble Copper	<5.00	<5.00	<5.00	7700
Soluble Lead	<5.00	<5.00	<5.00	23
Soluble Manganese	<5.00	<5.00	<5.00	15000
Soluble Mercury	<5.00	<5.00	<5.00	94
Soluble Nickel	<5.00	<5.00	<5.00	930
Soluble Selenium	<5.00	<5.00	<5.00	460
Soluble Strontium	<5.00	<5.00	<5.00	56000
Soluble Tin	<3.00	<3.00	<3.00	180000
Organic Tin	<7.50 [#] 3	<7.50 [#] 3	<7.50 [#] 3	12
Soluble Zinc	<5.00	<5.00	<5.00	46000
Conclusion	Pass	Pass	Pass	-

Note 1. "<" denotes less than

- 2. "mg/kg" denotes milligram per kilogram
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- 5. "#2" denotes Chromium (VI) is determined by LC-ICP-MS and Chromium (III) is calculated by [Total chromium -Chromium (VI)1.
- 6. "#3" denotes Organic Tin is determined by screening of total Tin express as Tributyl Tin

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Migration Flowerts	F	Results [mg/kç	9]	Maximum Permissible Limits [mg/kg]
Migration Elements	Sample 007	Sample 008	Sample 009	Category 3
Soluble Aluminum	7.83	6.66	8.03	70000
Soluble Antimony	<5.00	<5.00	<5.00	560
Soluble Arsenic	<2.50	<2.50	<2.50	47
Soluble Barium	<5.00	<5.00	<5.00	18750
Soluble Boron	<5.00	<5.00	<5.00	15000
Soluble Cadmium	<5.00	<5.00	<5.00	17
Soluble Chromium	<0.15 ^{#1}	0.212 ^{#1}	0.234 ^{#1}	CrIII: 460mg/kg CrVI: 0.053mg/kg
Soluble Chromium III	<0.15	0.212	0.234	460
Soluble Chromium VI	< 0.04 [#] 2	< 0.04 ^{#2}	< 0.04 ^{#2}	0.053
Soluble Cobalt	<5.00	<5.00	<5.00	130
Soluble Copper	<5.00	<5.00	<5.00	7700
Soluble Lead	<5.00	<5.00	<5.00	23
Soluble Manganese	<5.00	<5.00	<5.00	15000
Soluble Mercury	<5.00	<5.00	<5.00	94
Soluble Nickel	<5.00	<5.00	<5.00	930
Soluble Selenium	<5.00	<5.00	<5.00	460
Soluble Strontium	<5.00	<5.00	<5.00	56000
Soluble Tin	<3.00	<3.00	<3.00	180000
Organic Tin	<7.50 [#] 3	<7.50 [#] 3	<7.50 [#] 3	12
Soluble Zinc	838.3	10.6	<5.00	46000
Conclusion	Pass	Pass	Pass	-

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Migration Flowants	Results	[mg/kg]	Maximum Permissible Limits [mg/kg]
Migration Elements	Sample 010	Sample 011	Category 3
Soluble Aluminum	5.30	5.22	70000
Soluble Antimony	<5.00	<5.00	560
Soluble Arsenic	<2.50	<2.50	47
Soluble Barium	<5.00	<5.00	18750
Soluble Boron	<5.00	<5.00	15000
Soluble Cadmium	<5.00	<5.00	17
Soluble Chromium	<0.15 ^{#1}	0.209 [#] 1	CrIII: 460mg/kg CrVI: 0.053mg/kg
Soluble Chromium III	<0.15	0.209	460
Soluble Chromium VI	< 0.04 [#] 2	< 0.04 [#] 2	0.053
Soluble Cobalt	<5.00	<5.00	130
Soluble Copper	<5.00	<5.00	7700
Soluble Lead	<5.00	<5.00	23
Soluble Manganese	<5.00	<5.00	15000
Soluble Mercury	<5.00	<5.00	94
Soluble Nickel	<5.00	<5.00	930
Soluble Selenium	<5.00	<5.00	460
Soluble Strontium	<5.00	<5.00	56000
Soluble Tin	<3.00	<3.00	180000
Organic Tin	<7.50 [#] 3	<7.50 [#] 3	12
Soluble Zinc	<5.00	24.3	46000
Conclusion	Pass	Pass	-

Note 1. "<" denotes less than

- 2. "mg/kg" denotes milligram per kilogram
- 3. Limit of ChromiumVI (0.053 mg/kg) will be effective from November 18, 2019 according to Commission Directive (EU) 2018/725.
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- 6. "#3" denotes Organic Tin is determined by screening of total Tin express as Tributyl Tin

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3.2 Total Lead

Regulation (EC) No.1907/2006 (REACH) Annex XVII, Entry 63 and its amendment Regulation (EU) 2015/628

Microwave / Acid Digestion and detection with ICP-OES/ AAS

[Reporting Limit = 10.0mg/kg]

	Result [mg/kg]				
Analyte	Sample	Sample	Sample		
	001	002	003		
Lead	<10.0	<10.0	<10.0		
Limit		<500			
Conclusion	Pass	Pass	Pass		

		Result [mg/kg]					
Analyte	Sample	Sample	Sample				
	004+005+006	007	008+009				
Lead	<10.0	<10.0	<10.0				
Limit		<500					
Conclusion	Pass	Pass Pass Pass					

		Result [mg/kg]					
Analyte	Sample 010	Sample 011	Sample 012				
Lead	<10.0	<10.0	64.6				
Limit		<500					
Conclusion	Pass	Pass Pass Pass					

	Result [mg/kg]						
Analyte	Sample	Sample	Sample				
	013	014	015				
Lead	<10.0	<10.0	17.1				
Limit		<500					
Conclusion	Pass	Pass Pass Pass					

Note 1. "mg/kg" denotes milligram per kilogram

2. "<" denotes less than

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3.2 Total Lead

Regulation (EC) No.1907/2006 (REACH) Annex XVII, Entry 63 and its amendment Regulation (EU) 2015/628

Microwave / Acid Digestion and detection with ICP-OES/ AAS

[Reporting Limit = 10.0mg/kg]

	Result [mg/kg]					
Analyte	Sample	Sample	Sample			
	016	017	018			
Lead	19.8	8 <10.0 <10.				
Limit		<500				
Conclusion	Pass	Pass Pass Pass				

	Result [mg/kg]					
Analyte	Sample 019	Sample 021				
Lead	<10.0	020 <10.0	<10.0			
Limit	<500					
Conclusion	Pass Pass Pass					

		Result [mg/kg]						
Analyte	Sample 022							
Lead	<10.0	<10.0	17.0					
Limit		<500						
Conclusion	Pass	Pass Pass Pass						

	Result [mg/kg]	
Analyte	Sample	
	025	
Lead	<10.0	
Limit	<500	
Conclusion	Pass	

Note 1. "mg/kg" denotes milligram per kilogram

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Polycyclic Aromatic Hydrocarbons (PAHs) 3.3

Test according to German Committee on Product Safety (AfPS) AfPS GS 2014:01 PAK Solvent extraction followed by GC-MS analysis [Reporting Limit = 0.1mg/kg]

			Results [mg/kg]	
Compounds	CAS No.	Sample	Sample	Sample
		001	002	003
Naphthalene	91-20-3	1.02	0.15	<0.1
Acenaphthylene	208-96-8	<0.1	<0.1	<0.1
Acenaphthene	83-32-9	<0.1	<0.1	<0.1
Fluorene	86-73-7	<0.1	<0.1	<0.1
Phenanthrene	85-01-8	0.22	<0.1	<0.1
Anthracene	120-12-7	<0.1	<0.1	<0.1
Fluoranthene	206-44-0	<0.1	<0.1	<0.1
Pyrene	129-00-0	<0.1	0.26	<0.1
Sum of 7 PAHs	-	0.22	0.26	<0.1
Benzo[a]anthracene	56-55-3	<0.1	<0.1	<0.1
Chrysene	218-01-9	<0.1	<0.1	<0.1
Benzo[b]fluoranthene	205-99-2	<0.1	<0.1	<0.1
Benzo[j]fluoranthene	205-82-3	<0.1	<0.1	<0.1
Benzo[k]fluoranthene	207-08-9	<0.1	<0.1	<0.1
Benzo[a]pyrene	50-32-8	<0.1	<0.1	<0.1
Benzo[e]pyrene	192-97-2	<0.1	<0.1	<0.1
Benzo[ghi]perylene	191-24-2	<0.1	<0.1	<0.1
dibenzo[ah]anthracene	53-70-3	<0.1	<0.1	<0.1
Indeno[1,2,3-cd]pyrene	193-39-5	<0.1	<0.1	<0.1
Sum of detected 18 PAHs		1.24	0.41	<0.1
Category		Category 2	Category 2	Category 2
Conclusion		Pass	Pass	Pass

Note:

"mg/kg" denotes milligram per kilogram

1. 2. "<" denotes less than Limit:

3.

Limit:						
Parameter (mg/kg)	Category 1 Materials which are intended in the mouth, or materials in toys intended and with long-term skin contact (longer than 30 seconds)	Category 2 Materials not covered by category 1, with foreseeable skin contact for longer than 30 s (long-term skin contact) or repeated short term skin contact*		Category 3 Materials not covered by category 1 or 2, with foreseeable skin contact up to 30 seconds short term skin contact		
-	-	Toys All others according to prodcuts directive according to 2009/48/EC Product Saftety Act		Toys according to directive 2009/48/EC	All other products according to Product Safety Act	
Benzo[a]pyrene,Benzo[e]pyrene Benzo[a]anthracene, Benzo[b]fluoranthene Benzo[j]fluoranthene, Benzo[k]fluoranthene Chrysene, Dibenzo[a,h]anthracene Benzo[ghi] perylen, Indeno[1,2,3-cd] pyrene	Each < 0.2	Each < 0.2	Each <0.5	Each <0.5	Each <1	
Naphthalene	<1	<2		<1	0	
Sum of Acenaphthylene, Acenaphthene,Fluorene, Phenanthrene, Pyrene, Anthracene, Fluoranthene	Sum <1	Sum <5	Sum <10	Sum <20	Sum <50	
Sum 18 PAHs	<1	<5	<10	<20	<50	

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Polycyclic Aromatic Hydrocarbons (PAHs) 3.3

Test according to German Committee on Product Safety (AfPS) AfPS GS 2014:01 PAK Solvent extraction followed by GC-MS analysis [Reporting Limit = 0.1mg/kg]

			Results [mg/kg]	
Compounds	CAS No.	Sample	Sample	Sample
		004+005+006	008+009	010
Naphthalene	91-20-3	<0.1	<0.1	<0.1
Acenaphthylene	208-96-8	<0.1	<0.1	<0.1
Acenaphthene	83-32-9	<0.1	<0.1	<0.1
Fluorene	86-73-7	<0.1	<0.1	<0.1
Phenanthrene	85-01-8	<0.1	<0.1	<0.1
Anthracene	120-12-7	<0.1	0.32	<0.1
Fluoranthene	206-44-0	<0.1	<0.1	<0.1
Pyrene	129-00-0	<0.1	<0.1	<0.1
Sum of 7 PAHs	-	<0.1	0.32	<0.1
Benzo[a]anthracene	56-55-3	<0.1	<0.1	<0.1
Chrysene	218-01-9	<0.1	<0.1	<0.1
Benzo[b]fluoranthene	205-99-2	<0.1	<0.1	<0.1
Benzo[j]fluoranthene	205-82-3	<0.1	<0.1	<0.1
Benzo[k]fluoranthene	207-08-9	<0.1	<0.1	<0.1
Benzo[a]pyrene	50-32-8	<0.1	<0.1	<0.1
Benzo[e]pyrene	192-97-2	<0.1	<0.1	<0.1
Benzo[ghi]perylene	191-24-2	<0.1	<0.1	<0.1
dibenzo[ah]anthracene	53-70-3	<0.1	<0.1	<0.1
Indeno[1,2,3-cd]pyrene	193-39-5	<0.1	<0.1	<0.1
Sum of detected 18 PAHs		<0.1	0.32	<0.1
Category		Category 3	Category 3	Category 3
Conclusion		Pass	Pass	Pass

Note:

"mg/kg" denotes milligram per kilogram

1. 2. 3. "<" denotes less than

Parameter (mg/kg)	Category 1	Category 2		Category 3	
	Materials which are intended in the mouth, or materials in toys intended and with long-term skin contact (longer than 30 seconds)	Materials not covered by category 1, with foreseeable skin contact for longer than 30 s (long-term skin contact) or repeated short term skin contact*		Materials not covered by category 1 or 2, with foreseeable skin contact up to 30 seconds short term skin contact	
-	-	Toys according to directive 2009/48/EC	All others prodcuts according to Product Saftety Act	Toys according to directive 2009/48/EC	All other products according to Product Safety Act
Benzo[a]pyrene,Benzo[e]pyrene Benzo[a]anthracene, Benzo[b]fluoranthene Benzo[j]fluoranthene, Benzo[k]fluoranthene Chrysene, Dibenzo[a,h]anthracene Benzo[ghi] perylen, Indeno[1,2,3-cd] pyrene	Each < 0.2	Each < 0.2	Each <0.5	Each <0.5	Each <1
Naphthalene	<1	<2		<1	0
Sum of Acenaphthylene, Acenaphthene,Fluorene, Phenanthrene, Pyrene, Anthracene, Fluoranthene	Sum <1	Sum <5	Sum <10	Sum <20	Sum <50
Sum 18 PAHs	<1	<5	<10	<20	<50

Laboratory:

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Regd. Office:



3.4 Phthalates.

Regulation (EC) No.1907/2006 and its amendment Regulation (EC) No. 2018/2005 (REACH) Annex XVII, Entry 51 and 52. Solvent extraction and GC-MS analysis. [Reporting Limit = 0.005%]

		F	Results [%]	Limit	
Phthalates	CAS No.	Sample	Sample	Sample		
		001	002	007	[%]	
Bis (2-ethylhexyl) phthalate, DEHP	117-81-7	<0.005	<0.005	<0.005	Sum of	
Dibutyl phthalate, DBP	84-74-2	<0.005	<0.005	<0.005	DEHP, DBP,	
Benzyl butyl phthalate, BBP	85-68-7	<0.005	<0.005	<0.005	BBP & DIBP:	
Diisobutylphthalate, DIBP	84-69-5	<0.005	<0.005	<0.005	<0.1% by	
Sum of DBP, BBP, DEHP, DIBP	-	<0.005	<0.005	<0.005	weight ^{#1 #3}	
Di-isononyl phthalate, DINP	28553-12-0,	<0.005	<0.005	<0.005		
Di-isononyi phinalate, Dine	68515-48-0	<0.005		<0.005	Sum of DINP,	
Di-isodecyl phthalate, DIDP	26761-40-0 ,	<0.005	<0.005 <0.005	<0.005	DIDP &	
Di-Isouecyi pininalate, DiDF	68515-49-1	<0.005	<0.005	<0.005	DNOP: <0.1%	
Di-n-octyl phthalate, DNOP	117-84-0	<0.005	<0.005	<0.005	by weight ^{#2}	
Sum of DINP, DIDP, DNOP	-	<0.005	<0.005	<0.005		
Conclusion		Pass	Pass	Pass	-	

Note 1. "<" denotes less than

2. "%" denotes percentage by weight .

3. "#1" denotes the limit of DEHP, DBP, BBP and DIBP for toys and child care articles that placed on the market will be effective from July 7, 2020.

4. "#2" denotes the limit of DINP, DIDP and DNOP for toys and child care articles that can be placed in the mouth.

5. "#3" denotes the limit of DEHP, DBP, BBP and DIBP for plasticized material in articles that placed on the market will be effective from July 7, 2020.

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3.4 Phthalates.

Regulation (EC) No.1907/2006 and its amendment Regulation (EC) No. 2018/2005 (REACH) Annex XVII, Entry 51 and 52. Solvent extraction and GC-MS analysis. [Reporting Limit = 0.005%]

		Results [%]		Limit
Phthalates	CAS No.	Sample	Sample	
		008+009	010	[%]
Bis (2-ethylhexyl) phthalate, DEHP	117-81-7	<0.005	<0.005	Sum of
Dibutyl phthalate, DBP	84-74-2	<0.005	<0.005	DEHP, DBP,
Benzyl butyl phthalate, BBP	85-68-7	<0.005	<0.005	BBP & DIBP:
Diisobutylphthalate, DIBP	84-69-5	<0.005	<0.005	<0.1% by
Sum of DBP, BBP, DEHP, DIBP	-	<0.005	<0.005	weight ^{#1 #3}
Di-isononyl phthalate, DINP	28553-12-0,	<0.005	<0.005	
Di-isononyi primalate, Dine	68515-48-0	<0.005	<0.005	Sum of DINP,
Di-isodecyl phthalate, DIDP	26761-40-0 ,	< 0.005	<0.005	DIDP &
Di-isodecyi pininalate, DiDr	68515-49-1	<0.005	<0.005	DNOP: <0.1%
Di-n-octyl phthalate, DNOP	117-84-0	<0.005	<0.005	by weight ^{#2}
Sum of DINP, DIDP, DNOP	-	<0.005	<0.005	
Conclusion		Pass	Pass	-

Note 1. "<" denotes less than

2. "%" denotes percentage by weight .

3. "#1" denotes the limit of DEHP, DBP, BBP and DIBP for toys and child care articles that placed on the market will be effective from July 7, 2020.

4. "#2" denotes the limit of DINP, DIDP and DNOP for toys and child care articles that can be placed in the mouth.

5. "#3" denotes the limit of DEHP, DBP, BBP and DIBP for plasticized material in articles that placed on the market will be effective from July 7, 2020.

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3.5 Short-Chain Chlorinated Paraffins (SCCP) Test

POPs Regulation (EU) 2019/1021 Extraction with n-hexane and determined by GC-MS [Reporting Limit = 100mg/kg]

		Results [mg/kg]		
Analyte(s)	CAS No.	Sample	Sample	Sample
		001	002	003
SCCP	85535-84-8	<100	<100	<100
Limit		<1500		
Conclusion		Pass	Pass	Pass

		Results [mg/kg]		
Analyte(s)	CAS No.	Sample 004+005+006	Sample 007	Sample 008+009
SCCP	85535-84-8	<100	<100	<100
Limit <1500		1		
Conclusion		Pass	Pass	Pass

		Results [mg/kg]	
Analyte(s)	CAS No.	Sample 010	Sample 011
SCCP	85535-84-8	<100	<100
Limit		<1:	500
Conclusion		Pass	Pass

Note 1. "<" denotes less than

2. "mg/kg" denotes milligram per kilogram

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3.6 Total Cadmium

Regulation (EU) 2016/217, amending Annex XVII to Regulation (EC) No. 1907/2006 Entry 23. Microwave digestion/ With reference to EN 1122:2001 Method B and followed by Atomic Absorption Spectrophotometer (AAS) or Inductively Coupled Plasma Optical Emission Spectrophotometer (ICP-OES) [Reporting Limit = 10.0mg/kg]

		Results [mg/kg]		
Analyte	Sample 001	Sample 002	Sample 003	
Cadmium	<10.0	<10.0	<10.0	
Limit	<1000	<100		
Conclusion	Pass	Pass	Pass	

	Results [mg/kg]			
Analyte	Sample 004+005+006	Sample 007	Sample 008+009	
	004+005+006	007	000+009	
Cadmium	<10.0	<10.0	<10.0	
Limit		<100		
Conclusion	Pass	Pass	Pass	

	Results [mg/kg]	
Analyte	Sample	
	010	
Cadmium	<10.0	
Limit	<100	
Conclusion	Pass	

Note 1. "mg/kg" denotes milligram per kilogram

2. "<" denotes less than

Material / Product	Limit
Plastics	<100 mg/kg
Metal jewellery / imitation jewellery articles and hair accessories	<100 mg/kg
Brazing Fillers	<100 mg/kg
Coating	<1000 mg/kg
Paint with TARIC codes [3208],[3209] Zinc content > 10%	<1000 mg/kg
Paint with TARIC codes [3208],[3209] with Zinc Content ≤ 10%	<100 mg/kg

-- END OF THE TEST REPORT --

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General Information and Definitions

- In the event that an order for any services is placed, the Client shall accept the General (1.1)In the event that an order for any services is placed, the Client shall accept the General Terms and Conditions. The General Terms and Conditions shall be applicable to all orders ,resulting contracts and other arrangements, including all offers made or services provided by the Company or any of its affiliated companies They are not applicable if and as far as they are in conflict with the regulations on services performed on behalf of governments, government bodies or any other public entity, or they are in conflict with mandatory provisions of local law. The Client's placement of orders as well as the conclusion of contracts with the Company shall be regarded as awareness and acceptance of these General Terms and Conditions. The Company storgly recommends any Client or potential Client to read the full text of these General Terms and Conditions prior to placement of any order to or conclusion of any contract with the Company staff or the experts called upon by them shall be binding only if they are expressly confirmed by the Company in writing. This shall also apply to any modifications of this clause.
- (1.2)to any modifications of this clause.

Provision of Services 2.

- (2.1) With due care and skill, the Company will provide services according to Client's specific instructions as made available by the Client. In the absence of Client's specific instructions, the following is deemed as instructions given to the Company:

 (a) The terms of any standard specification sheet or standard order form provided by the Client's and the company of the client's specific instructions are standard order form provided by the Client's and the client's specific instructions are standard order form provided by the Client's specific instructions are standard order form provided by the Client's specific instructions are standard order form provided by the Client's specific instructions are standard order form provided by the Client's specific instructions are standard order form provided by the Client's specific instructions are standard order form provided by the Client's specific instructions are standard order form provided by the Client's specific instructions are standard order form provided by the Client's specific instructions are standard order form provided by the Client's specific instructions are standard order form provided by the Client's specific instructions are standard order form provided by the Client's specific instructions are standard order form provided by the Client's specific instructions are standard order form provided by the Client's specific instructions are standard order form provided by the Client's specific instructions are standard order form provided by the Client's specific instructions are standard order form provided by the Client's specific instructions are standard order form provided by the Client's specific instructions are standard order form provided by the Client's specific instructions are standard order form provided by the Client's specific instructions are standard order form provided by the Client's specific instructions are standard order form provided by the Client's specific instructions are standard order
 - Company; and/or
 - Any relevant usage, practice or trade custom; and/or (b)
 - Such methods the Company considers technically, operationally and/or on financial (c) grounds appropriate
- No other party is entitled to give any instructions particularly on the scope and type of the services or the reports delivered, or on the resulting certificates (the "Reports of Findings"), (2.2)unless the Company receives prior written instructions to the contrary from the Client. The Client hereby irrevocably authorizes the Company to deliver Reports of Findings to a third party where so instructed by the Client or, at the Company's discretion, where it implicitly follows from circumstances, trade custom, usage or practice. The Information stated in the Report of Findings is derived from the results of inspection or
- (2.3)testing procedures carried out in accordance with the instructions and/or Company's as-sessment of such results on the basis of any technical standards, trade custom or practice, or other circumstances which should in Company's professional experience be taken into account
- Reports of Findings issued after the testing of samples refer the Company's opinion only on samples under testing and not to the lot from which the samples were drawn. (2.4)
- Client agrees that the Company's sole responsibility is to be present at the time of the third party's intervention and to forward the results, or confirm the occurrence of the intervention, (2.5)in case Client requests the Company to witness any third party's intervention. Client agrees that the Company will use the test methods for analysis as requested in the request form, and if none is stated in the form, the Company will choose the appropriate test methods for analysis.
- The Reports of Findings issued by the Company will reflect the facts as recorded by it at (2.6)the time of its intervention only and within the limits of the instructions received or, in the absence of such instructions, within the limits of the alternative parameters applied as provided for in Clause 2.1. The Company is under no obligation to refer to, or report upon, any facts or circumstances, which are outside the specific instructions received or alterna-
- The performance of all or part of the services may be delegated to an agent or subcon-tractor by the Company. The Client authorizes the Company to disclose all information (2.7)necessary for such performance to the agent or subcontractor. Documents reflecting engagements contracted between the Client and third parties or third
- (2.8)party documents, e.g. sales contract copies, letters of credit, bills of lading, etc. should be made available to the Company. These are considered to be for information only, and do
- not extend or restrict the scope of the services or the obligations accepted by the Company. The Company agrees that, by providing the services to the Client, it neither takes the place (2.9)of Client or any third party, nor otherwise assumes, abridges, abrogates or undertakes to discharge any duty of the Client to any third party or that of any third party to the Client. Al-
- so, it does not release the Client or any third party from any of their obligations. (2.10) Depending on the nature of each sample, all samples given to the Company shall be retained for a maximum of 3 months or for such other shorter time period as the nature of the sample permits, and then sent back to Client or otherwise disposed of at the Company's discretion. After that time the Company will not be responsible for the samples. Storage of samples for more than 3 months shall incur a storage fee payable by the Client. If sam-ples are returned to the Client, the Client will be billed a handing and freight fees. Special disposal charges will be billed to the Client if incurred.

Client's Obligations

The Client shall:

- (3.1) ensure that all required supporting documents, information and instructions as submitted are accurate, trueful and complete. These information are to be submitted in a timely not later than 2 working days from the date of which the services are requested by the or the services are requested by the
- ensure to give all necessary access for the Company's representatives to the premis-(3.2)es where the services are to be performed and to take all necessary steps to eliminate or reme-dy any dostades to, or interruptions in the performance of the services;
- make available any special equipment and personnel necessary for the performance of the services, if required; (3.3)
- ensure that for the safety and security of working conditions, sites and installations, all nec-essary measures are taken during the performance of services. In this respect, the Client (3.4) will not rely on the Company's advice whether required or not; inform the Company of any known hazards or dangers, actual or potential, associated
- (3.5)with any order, samples, testing or any other service rendered by the Company well in advance. Those are, but are not limited to the presence or risk of radiation, environ-
- mental pollution or poisons- toxic or noxious or explosive elements or materials; fully exercise all its rights and discharge all its liabilities under any relevant sales or other (3.6) contract with a third party.

Fees and Payment 4.

- (4.1) All Fees not agreed on between the Company and Client at the time the order is placed or a contract is concluded shall be determined by the Company's Schedule of Fees (which are subject to change). All applicable taxes shall be paid by Client, as far as mandatory laws do not provide otherwise. Unless a specific period is established in the invoice, the Client shall pay upon receiv
- (4.2)
- In the involce, but not later than 30 days from the relevant invoice date or within such other period as may be established by the Company in the invoice (the "Due Date"). The Client shall not be entitled to retain or defer due payment of any sums to the Company on account of any dispute, counter claim or set-off against the Company. The Company reserves the right to retain or defer any due payments if any dispute arises with or it raises any counterclaim against the (4.3)Client. The Company is entitled to set off due payments against payments of the Client

- (4.4) For the collection of unpaid fees, the Company may decide to bring action in any court with competent jurisdiction. The corresponding collection costs, including attorney's fees and related costs, shall be borne by the Client, as far as the mandature of the context o tory local law does not provide otherwise.
- In case of any unforeseen problems or expenses arise while carrying out the ser-vices, the Company informs the Client. In such cases, the Company shall be enti-(4.5) ted to charge additional fees to cover extra time and to invoice extra costs necessarily incurred to complete the services.
- (4.6) If the Company is unable to perform all or parts of the services for any cause whatsoever beyond the Company's control, including the failure by Client to comply with any of its obligations provided for in the foregoing Clause 3, the Com-pany shall nevertheless be entitled to payments of:
 - The amount of all non-refundable expenses incurred by the Company; and (1) (2) A proportion of the agreed fee equal to the proportion of the services actually carried out.

Suspension or Termination of Services 5.

In any case mentioned below, the Company shall be entitled to either suspend or minate the provision of the services immediately and without any liability: 1) Failure by the Client to comply with any of its obligations under these General

- (5.1) Terms and Conditions and such failure is not remedied within 10 days after a no-tice of such failure has been delivered to the Client; or
- Any suspension of payment, arrangement with creditors, bankruptcy, insol-vency, receivership or cessation of business by Client. (5.2)

6. Liability and Indemnification

- (6.1) <u>Limitation of Liability</u>.
 (1) Clients seeking a guarantee against loss or damage should obtain appropriate insurance. The Company is neither an insurer nor a guarantor and disclaims all liability in such capacity.
 - Reports of Findings are issued on the basis of the information, documents and/or samples provided by, or on behalf of the Client and solely for the benefit of the Client who is obliged to act on the basis of such Reports of Find-ings. Neither the Company nor any of its staff, agents or subcontractors shall be liable to the Client nor to any third party for any actions taken or not taken on the basis of such Reports of Findings, or for any incorrect results arising from unclear, erroneous, incomplete, misleading or false information pro-
 - trom unclear, erroneous, incomplete, misleading or talse information pro-vided to the Company. For any delayed, total or partial non-performance of the services arising directly or indirectly from any event beyond the Company's control, includ-ing failure by Client to comply with any of its obligations hereunder, the Company shall not be liable. The liability of the Company in respect of any claim for loss, damage or ex-(3)
 - (4) pense of any nature and howsoever arising shall in no circumstances ex-ceed a total aggregate sum equal to 10 times the amount of the fee paid in respect of the specific service which gives rise to such claim, and shall in any case not exceed the equivalent of 25,000 EUR in CNY.
 - For any indirect or consequential loss (including loss of profits), the Compa-ny shall not have any liabilities. In case of any claim, the Client must give written notice to the Compa-(5)
 - (6) ny within 30 days of discovery of the facts with all necessary documents to justify such claim. In any case, the Company shall be discharged from all liability for all claims for loss, damage or expense unless a lawsuit is brought within two years from:
 - the performance date of the Company for its services which refers to (i) the claim; or
- (ii) the date when the service should have been completed in the event of any alleged non-performance.
 (6.2) <u>Indemnification</u> Against all claims (actual or threatened) by any third party for loss, damage or expenses of whatsoever nature including all legal expenses and related costs and howsoever alising relating to the performance, purported per-formance or non-performance of any services, the Client shall guarantee, hold harmless and indemnify the Company and its officers, employees, agents or subcontractors

7. Obligation of Confidentiality, Copyright, Data Privacy Protection

- (7.1) The Company shall be authorized to make file copies of written documents, which have been made available to it for review and which are important for processing the order.
- Insofar as Reports of Findings are prepared in the course of processing the order (7.2) and which are subject to the protection of copyright, then the Company shall grant the Client a simple, non-transferable right to use, insofar as this is necessary and in accordance with the contractually presupposed purpose. Other rights shall not be transferred; in particular, the customer shall not be entitled to modify and/or edit audit reports or to make use of such outside of his business premises.
- The Company and its staff which may be called in shall not disclose or use trade and business matters about which they have gained knowledge during the per-(7.3)formance of their work without proper authorization, or unless instructed by a court or authorized body (e.g. regulatory authority, accreditation body or certification scheme owner) or otherwise legally required.

Miscellaneous 8.

- (8.1) The validity, legality and enforceability of the remaining provisions shall not in any way be affected or impaired, even if any one or more provisions of these General Conditions are found to be illegal or unenforceable in any respect.
- Client shall not directly or indirectly entice, encourage or make any offer to Company's employees to leave their employment with the Company, during
- the course of providing the services and for a period of one year thereafter. Use of the Company's corporate name or registered marks for advertising pur-(8.3) poses is not permitted without the Company's prior written authorization.

Governing Law, Jurisdiction and Dispute Settlement 9

- (9.1) Unless specifically agreed otherwise, all disputes arising out or in connection with contractual relationship(s) hereunder shall be governed by the applicable laws and regulations of the People's Republic of China.
 (9.2) Place of performance for any obligation arising out of this contract shall be Shanghai, the Place of the TÜV SÜD Certification and Testing (China) Co.,
- Ltd., Shanghai branch, unless otherwise expressly agreed by the parties

10. Languages

In the event of any discrepancy between the English and the Chinese version of these General Terms and Conditions, the English version shall prevail.

