

Test Report

Number: SZHH01776690S1

Applicant: YUDE (SHANTOU) PLASTIC INDUSTRIAL CO., LTD
NO. 11 BLOCK 44R, ZHUJIN INDUSTRIAL PARK
SHANTOU LONGHU DISTRICT ,GD,CHINA

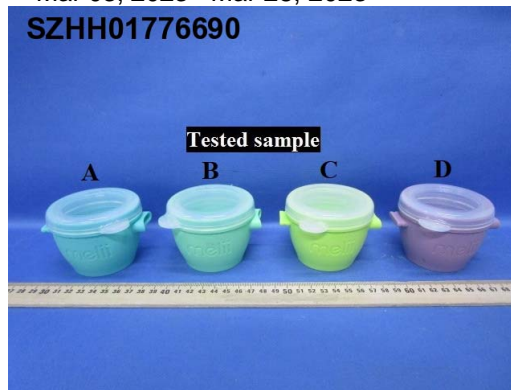
Date: Apr 10, 2023

Attn: Peter

*This is to supersede Report No.
SZHH01776690 dated Mar 28,
2023*

Sample Description:

Six (6) styles of submitted sample said to be :
Item Name : **Silicone 4oz Snap and Go Pods**
Manufacturer : Yude (Shantou) Plastic Industrial CO., LTD
Buyer : Melii baby Inc.
Country of Origin : China
Country of Destination : Canada/US/UK/EU
Date Sample Received : Mar 03, 2023
Testing Period : Mar 03, 2023~ Mar 28, 2023



Tested sample

Tests conducted:

As requested by the applicant, refer to attached page(s) for details.



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Conclusion:

<u>Tested Samples</u>	<u>Standard</u>	<u>Result</u>
Submitted samples	EN 71-1: 2014+A1: 2018 for mechanical and physical properties	Pass#
Tested components of submitted samples	Cadmium Content Requirement in Annex XVII Entry 23 of the REACH Regulation (EC) No 1907/2006 and Amendment (EC) No 552/2009, (EU) No 494/2011, (EU) No 835/2012 and (EU) 2016/217	Pass
Submitted samples	Lead Content Requirement in Annex XVII Entry 63 of the REACH Regulation (EC) No 1907/2006 and Amendment (EC) No 552/2009, (EU) No 836/2012, (EU) 2015/628 with effective from 1 June 2016	Not Applicable
	Phthalates Content Requirement in Annex XVII Entry 51 & 52 of the REACH Regulation (EC) No 1907/2006 and Amendment (EC) No 552/2009 and (EU) 2018/2005	Not Applicable
Tested components of submitted samples	Polycyclic Aromatic Hydrocarbons (PAHs) Content Requirement in Annex XVII Entry 50 of the REACH Regulation (EC) No 1907/2006 and Amendment (EC) No 552/2009 and (EU) No 1272/2013	Pass
Submitted samples	Germany AfPS GS 2019:01 PAK (PAH) on Polycyclic Aromatic Hydrocarbons (PAHs) Content	Not Applicable
<u>Tested Samples</u>	<u>Requirement</u>	<u>Result</u>
Submitted samples	U.S. CFR Title 16 (CPSC Regulations) Mechanical and physical test	Pass
<u>Tested Sample</u>	<u>Standard</u>	<u>Result</u>
Submitted samples	U.S. CFR Title 16 Part 1303 total Lead content	Not Applicable
	U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 101 for total Lead content in surface coating	Not Applicable
Tested components of submitted samples	U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 101 for Total Lead content in Non-surface coating materials (substrate)	Pass
	Illinois Lead Poisoning Prevention Act 410 ILCS 45 on total Lead content requirement	Pass
<u>Tested Sample</u>	<u>Test Item</u>	<u>Result</u>
Tested components of submitted samples	Applicant's requirement on total Cadmium content	Pass
<u>Tested Samples</u>	<u>Standard</u>	<u>Result</u>
Tested components of submitted samples	Canada Consumer Products Containing Lead Regulations SOR/2018-83	Pass
Submitted samples	Canada Consumer Product Safety Act Surface Coating Materials Regulations SOR/2016-193 on Lead content	Not Applicable



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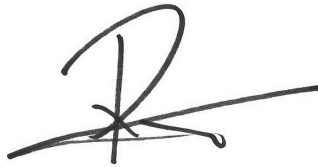
Conclusion:

<u>Tested Sample</u>	<u>Test Item</u>	<u>Result</u>
Tested components of submitted samples	Bisphenol –A Content	See test conducted
	PVC detection	See test conducted
<u>Tested Sample</u>	<u>Standard</u>	<u>Result</u>
Tested components of submitted samples	Council Europe Resolution AP (2004) 5 on Silicones Used for Food Contact Applications on Overall Migration	Pass
	U.S. F.D.A. Regulation 21 CFR Part 177.2600 rubber articles intended for repeated use, Section (e) and (f)	Pass
	Consent Judgment No. BG-350969 for Child Care Articles on total Lead content based on the California Proposition 65	Pass
	Consent Judgment No. BG-350969 for Child Care Articles on phthalate content based on the California Proposition 65	Pass
	Di-iso-nonyl phthalate (DINP) content based on the California Proposition 65	See test conducted
	U.S. Consumer Product Safety Improvement Act 2008 Title I, Sec 108(a) & (b)(3) and US 16 CFR Part 1307 for Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates	Pass

Remark:

= The submitted samples were not subjected to the scope of the standard. The tests were performed as per the applicant's request.

Authorized by:
For Intertek Testing Services
Shenzhen Ltd.



Rachel L. Guo
General Manager



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Tests Conducted

1 Mechanical and Physical Test

Test standard: European Standard on Safety of toys EN 71-1: 2014+A1: 2018.

Age group for testing: For ages over 3 years

Clause	Requirement	Result
4	General requirements	
4.1	Material	P
4.2	Assembly	NA
4.3	Flexible plastic sheeting	NA
4.4	Toy bags	NA
4.5	Glass	NA
4.6	Expanding materials	NA
4.7	Edges	P
4.8	Points and metallic wires	P
4.9	Protruding parts	NA
4.10	Parts moving against each other	NA
4.11	Mouth actuated toys and other toys intended to be put in the mouth	NA
4.12	Balloons	NA
4.13	Cords of toy kites and other flying toys	NA
4.14	Enclosures	NA
4.15	Toys intended to bear the mass of a child	NA
4.16	Heavy immobile toys	NA
4.17	Projectile toys	NA
4.18	Aquatic toys and inflatable toys	NA
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps	NA
4.20	Acoustics	NA
4.21	Toys containing a non-electrical heat source	NA
4.22	Small balls	NA
4.23	Magnets	NA
4.24	Yo-yo balls	NA
4.25	Toys attached to food	NA
4.26	Toy disguise costumes	NA
4.27	Flying toys	NA
5	Toys intended for children under 36 months	
5.1	General requirements	NA
5.2	Soft-filled toys and soft-filled parts of a toy	NA
5.3	Plastic sheeting	NA
5.4	Cords, chains and electrical cables in toys	NA
5.5	Liquid filled toys	NA
5.6	Speed limitation of electrically-driven ride-on toys	NA



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Clause	Requirement	Result
5.7	Glass and porcelain	NA
5.8	Shape and size of certain toys	NA
5.9	Toys comprising monofilament fibres	NA
5.10	Small balls	NA
5.11	Play figures	NA
5.12	Hemispheric-shaped toys	NA
5.13	Suction cups	NA
5.14	Straps intended to be worn fully or partially around the neck	NA
5.15	Sledges with cords for pulling	NA
6	Packaging	NA
7	Warnings, markings and instructions for use	
7.1	General	NA
7.2	Toys not intended for children under 36 months	NA
7.3	Latex balloons	NA
7.4	Aquatic toys	NA
7.5	Functional toys	NA
7.6	Hazardous sharp functional edges and points	NA
7.7	Projectile toys	NA
7.8	Imitation protective masks and helmets	NA
7.9	Toy kites	NA
7.10	Roller skates, inline skates and skateboards and certain other ride-on toys	NA
7.11	Toys intended to be strung across a cradle, cot, or perambulator	NA
7.12	Liquid-filled teethers	NA
7.13	Percussion caps specifically designed for use in toys	NA
7.14	Acoustics	NA
7.15	Toy bicycles	NA
7.16	Toys intended to bear the mass of a child	NA
7.17	Toys comprising monofilament fibres	NA
7.18	Toy scooters	NA
7.19	Rocking horses and similar toys	NA
7.20	Magnetic/electrical experimental sets	NA
7.21	Toys with electrical cables exceeding 300 mm in length	NA
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months	NA
7.23	Toys intended to be attached to a cradle, cot or perambulator	NA
7.24	Sledges with cords for pulling	NA
7.25	Flying toys	NA
7.26	Improvised projectiles	NA

Abbreviation: P = Pass **F = Fail** NA = Not Applicable NR=Not Requested

Note: The testing scope of European standard on safety of toy EN 71 was not applicable to the submitted samples. Therefore, the warning and other requirements specified in clause 7 did not apply.



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Tests Conducted

2 Cadmium (Cd) Content

With reference to test method IEC 62321-5:2013, acid digestion method was used and total Cadmium content was determined by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (%) θ	Detection Limit (%)
	Tested Component	
	(1+2),(3+4),(5)	
Cadmium (Cd)	ND	0.0005

Limit:

Category	Limit (%)
Wet paint	0.01
Surface coating	0.1
Plastic	0.01
Metal parts of jewellery and hair accessories	0.01

The limit was quoted according to Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and Amendment (EC) No 552/2009, (EU) No 494/2011, (EU) No 835/2012 and (EU) 2016/217, Annex XVII Entry 23 on Cadmium Content.

ND = Not detected (less than detection limit)
 θ = Single result for each test component/group

Tested component(s): See component list in the last section of this report

3 Total Lead (Pb) Content

With reference to IEC 62321-5:2013, acid digestion was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Assessment: Not applicable



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Tests Conducted

4 Polycyclic Aromatic Hydrocarbons (PAHs) Content

With reference to AfPS GS 2019:01 PAK (PAH), PAHs content was determined by Gas Chromatography-Mass Spectrometry (GC-MS).

Compound	CAS No.	Result (mg/kg) θ	Detection Limit (mg/kg)	Limit (mg/kg)
		Tested Component		
		(1+2),(3+4),(5)		
Benzo[a]anthracene	56-55-3	ND	0.2	0.5
Chrysene	218-01-9	ND	0.2	0.5
Benzo[b]fluoranthene	205-99-2	ND	0.2	0.5
Benzo[k]fluoranthene	207-08-9	ND	0.2	0.5
Benzo[a]pyrene	50-32-8	ND	0.2	0.5
Dibenzo[a,h]anthracene	53-70-3	ND	0.2	0.5
Benzo[j]fluoranthene	205-82-3	ND	0.2	0.5
Benzo[e]pyrene	192-97-2	ND	0.2	0.5

The limit was quoted according to Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and Amendment (EC) No 552/2009 and (EU) No 1272/2013, Annex XVII Entry 50 on Polycyclic Aromatic Hydrocarbons (PAHs) Content.

ND = Not detected (less than detection limit)
 θ = Single result for each test component/group

Tested component(s): See component list in the last section of this report

5 Physical and Mechanical Test

Test requirement: U.S. Code of Federal Regulations Title 16 Part 1500.50, the hazards of sharp points, sharp edge and small parts are assessed both before and after applicable use and abuse tests.

Age group for testing: For all ages

	No. of Sample Tested	Sharp Point (1500.48)	Sharp Edge (1500.49)	Small Part (1501)
As received	1	P	NA	NA
Impact (1500.53(b))	1	P	NA	NA
Flexure (1500.53(d))	0	NA	NA	NA
Torque (1500.53(e))	1	P	NA	NA
Tension (1500.53(f))	1	P	NA	NA
Compression (1500.53(g))	1	P	NA	NA

Abbreviation: P = Pass F = Fail NA= Not Applicable NR=Not Requested



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Tests Conducted

6 Total Lead (Pb) Content in Surface Coating (U.S. 16 CFR Part 1303 and CPSIA Section 101)

As per Standard Operating Procedure for Determining Lead (Pb) in paint and other similar surface coatings, test method CPSC-CH-E1003-09.1 was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Assessment: Since no scrapable surface coating was found on the submitted sample(s), the testing scope was not applicable to the submitted sample(s).

7 Total Lead (Pb) Content in Non-Surface Coating Materials (Substrate) (U.S. CPSIA Section 101)

As per Standard Operating Procedures for Determining total Lead (Pb) in children's products, test methods CPSC-CH-E1002-08.3 and/or CPSC-CH-E1001-08.3 were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (ppm) θ	Reporting Limit (ppm)	Limit (ppm)
	Tested Component		
	(1+2),(3+4),(5)		
Lead (Pb)	ND	10	100

The above limit was quoted according to U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 101 for total Lead content in Non-surface coating materials.

ppm = parts per million = mg/kg
 ND = Not detected (less than reporting limit)
 θ = Single result for each test component/group

Tested components: See component list in the last section of this report

8 Total Lead (Pb) Content (U.S. Illinois Lead Poisoning Prevention Act 410 ILCS 45)

As per Illinois Lead Poisoning Prevention Act 410 ILCS 45, with reference to CPSC-CH-E1002-08.3 and/or CPSC-CH-E1001.08.3 and/or CPSC-CH-E1003-09.1 and followed by Inductively Coupled Argon Plasma Spectrometry.

Non-Surface Coating (Substrate)

Element	Result (ppm) θ	Reporting Limit (ppm)	Warning Statement	Limit (ppm)
	Tested Component		Limit (ppm)	
	(1+2),(3+4),(5)		(ppm)	
Lead (Pb)	ND	10	40	100

ND = Not detected (less than reporting limit)
 ppm = parts per million = mg/kg
 θ = Single result for each test component/group

Tested component(s): See component list in the last section of this report



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9 Total Cadmium(Cd) Content

With reference to EN ISO 17294-2:2016, microwave digestion was used and followed by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (ppm) θ	Reporting Limit (ppm)	Limit (ppm)
	Tested Component		
	(1+2),(3+4),(5)		
Cadmium (Cd)	ND	5	40

ppm = parts per million = mg/kg
 ND = Not detected
 θ = Single result for each test component/group

Tested component(s): See component list in the last section of this report.

10 Total Lead (Pb) content (CCPSA SOR/2018-83)

As per Method C-02.2.2, C-02.3.2, C-02.4.1, published in Health Canada Product safety reference manual Book 5 - Laboratory Policies and Procedures Part B: Test Methods Section, acid digestion was used and Total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (mg/kg) θ	Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component		
	(1+2),(3+4),(5)		
Lead (Pb)	ND	10	90

The above limit was quoted according to Canada Consumer Products Containing Lead Regulations SOR/2018-83.

ND = Not detected
 θ = Single result for each test component/group

Tested Components: See component list in the last section of this report

11 Total Lead (Pb) Content (CCPSA SOR/2016-193)

As per Method C-02.2.2 published in Health Canada Product safety reference manual Book 5 - Laboratory Policies and Procedures Part B: Test Methods Section, acid digestion method was used and determined by Inductively Coupled Argon Plasma Spectrometry.

Assessment: Since no surface coating was found on the submitted sample (s), the testing scope of Canada Consumer Product Safety Act Surface Coating Materials Regulations SOR/2016-193 was not applicable to the submitted sample (s).



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12 Bisphenol-A Content

By solvent extraction and followed by Liquid Chromatographic / Tandem Mass Spectrometer (LC/MS/MS) analysis.

Test item	CAS No	Result (mg/kg) θ		Reporting limit (mg/kg)
		Tested component		
		(1)to(5)		
Bisphenol-A	80-05-7	ND		0.1

ND = Not detected(less than reporting limit)

θ = Single result for each test component/group

Tested Components: See component list in the last section of this report

13 Detection of Polyvinyl Chloride (PVC)

By Beilstein Test and FTIR analysis.

Test Item	Result		Limit
	Tested Component		
	(1)to(5)		
Polyvinyl Chloride (PVC)	PVC was not identified in the submitted sample.		--

Tested component(s): See component list in the last section of this report

14 Overall Migration Test for Silicones

As per Council Europe Resolution AP (2004) 5 on silicones used for food contact applications, selection of test condition & food simulants by Commission Regulation (EU) No. 10/2011 and its amendments.

I. Test condition:

Aqueous food simulant:	
Test no.	Time and temperature
OM5	2 hours at 100 °C or reflux

Fatty food simulant:	
Test no.	Time and temperature
OM5	1 hour at 121 °C

II. Test results

Food Simulant	Result(mg/dm ²)		Reporting Limit (mg/dm ²)	Limit (mg/dm ²)
	(1)	(2)		
10% (v/v) Ethanol	ND	ND	1	10
3% (w/v) Acetic acid	2	1	1	10
Olive oil	5	4	1	10

ND = Not detected(less than reporting limit)

Tested component(s) : See component list in last section of this report.



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15 Test for F.D.A. Regulation on Rubber

With reference to the U.S. Food and Drug Administration 21 CFR Part 177.2600 - rubber articles intended for repeated use, Section (e) and (f).

First 7 hours extraction:

Test item	Result(mg/in ²)		Reporting limit (mg/in ²)	limit (mg/in ²)
	(3)	(4)		
Water extractable content	ND	ND	1	20
n-Hexane extractable content	10	12	1	175

Succeeding 2 hours extraction:

Test item	Result(mg/in ²)		Reporting limit (mg/in ²)	limit (mg/in ²)
	(3)	(4)		
Water extractable content	ND	ND	0.1	1
n-Hexane extractable content	0.9	0.7	0.1	4

ND = Not Detected(less than reporting limit)

Tested Components : See component list in the last section of this report.

16 Total Lead (Pb) Content

With reference to CPSC-CH-E1002-08.3 and/or CPSC-CH-E1001.08.3 and/or CPSC-CH-E1003-09.1 and followed by Inductively Coupled Argon Plasma Spectrometry.

Other component

Element	Result (%) θ	Detection Limit (%)	Limit (%)
	Tested Component		
	(1+2),(3+4),(5)		
Lead (Pb)	ND	0.001	0.06

The above limit was quoted from the Consent Judgment No. BG-350969 settled by superior court of the State of California for the county of Alameda, for Child Care Articles based on the California Proposition 65.

ND = Not detected (less than detection limit)

θ = Single result for each test component/group

Tested Component(s): See component list in the last section of this report



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17 Phthalate Content

With reference to CPSC-CH-C1001-09.4 and followed by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Test item	Result (%) θ	Detection Limit (%)	Limit (%)
	Tested component		
	(1+2+3),(4+5)		
Dibutyl phthalate (DBP)	ND	0.01	0.1
Di-(2-ethyl hexyl) phthalate (DEHP)	ND	0.01	0.1
Benzyl butyl phthalate (BBP)	ND	0.01	0.1
Di-iso-decyl phthalate (DIDP)	ND	0.01	0.1
Di-n-hexyl phthalate (DnHP)	ND	0.01	0.1

The above limit was quoted from the Consent Judgment No. BG-350969 settled by superior court of the state of California for the county of Alameda, for Child Care Articles based on the California Proposition 65.

ND = Not detected (less than detection limit)
 θ = Single result for each test component/group

Tested Component(s): See component list in the last section of this report

18 Di-iso-nonyl phthalate (DINP) Content

With reference to CPSC-CH-C1001-09.4 and followed by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Test item	Result (%) θ	Reporting limit (%)	Limit (%)
	Tested component		
	(1+2+3),(4+5)		
Di-iso-nonyl phthalate (DINP)	ND	0.01	--

ND = Not detected (less than reporting limit)
 θ = Single result for each test component/group

Tested Component(s): See component list in the last section of this report



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19 Phthalate Content (U.S. 16 CFR Part 1307)

As per CPSC-CH-C1001-09.4, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Test item	CAS No.	Result (%) ^θ	Reporting limit (%)	Limit (%)
		Tested component (1+2+3),(4+5)		
Dibutyl phthalate (DBP)	84-74-2	ND	0.01	0.1
Di-(2-ethyl hexyl) phthalate (DEHP)	117-81-7	ND	0.01	0.1
Benzyl butyl phthalate (BBP)	85-68-7	ND	0.01	0.1
Di-iso-nonyl phthalate (DINP)	28553-12-0/ 68515-48-0	ND	0.01	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	0.01	0.1
Di-n-pentyl Phthalate (DPENP)	131-18-0	ND	0.01	0.1
Di-n-hexyl Phthalate (DHEXP)	84-75-3	ND	0.01	0.1
Dicyclohexyl Phthalate (DCHP)	84-61-7	ND	0.01	0.1

The above limit was quoted according to U.S. 16 CFR Part 1307 for Prohibition of Children’s Toys and Child Care Articles Containing Specified Phthalates.

ND = Not detected(less than reporting limit)
 θ = Single result for each test component/group

Tested Component(s): See component list in the last section of this report

Component list:

- (1) Semi-transparent silicone rubber (lid of #A, #B, #C, #D).
- (2) Blue silicone rubber (body of #A).
- (3) Mint silicone rubber (body of #B).
- (4) Lime green silicone rubber (body of #C).
- (5) Purple silicone rubber (body of #D).



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Reference Sample Only (No test was conducted on the reference sample(s))

End of report

The statements of conformity reported have considered the decision rule agreed, namely that Intertek have taken account of measurement uncertainty as calculated by Intertek, and applied according to ILAC-G8/09:2019 (Non-binary acceptance based on guard band $w = U$) except designation from the customer, regulation or test specification. This decision rule only applies to the numeric test results.

The sample(s) and sample information hereto are provided by the client who shall be solely responsible for the authenticity and integrity thereof. The results shown in this report relate only to the sample(s) received and tested. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or wilful misconduct. This report shall not be reproduced unless with prior written approval from Intertek.



To: YUDE (SHANTOU) PLASTIC INDUSTRIAL
CO., LTD

Attention: Peter

Date: Apr 10, 2023

Re : Report Revision Notification

Intertek Testing Services Report Number SZHH01776690 Dated Mar 28, 2023


Please be informed that all the content recorded in the above captioned report will be void. This captioned report is now superseded by a revised Intertek Testing Services Report Number, SZHH01776690S1 *Dated Apr 10, 2023*

Below are revision details:

Report Number	SZHH01776690	SZHH01776690S1
Revise remark	Nil	Add test item per client request

Thank you for your attention.

Authorized by:
For Intertek Testing Services
Shenzhen Ltd.



Rachel L. Guo
General Manager

