Test Report No. 64.165.23.04517.01A
Rev. 00
Dated 2023-10-17

Applicant:	Guangzhou Begreat Smart Life Co., Ltd.
Address:	Room 2104, No. 3 Jinhuan Street, Nansha Street, Nansha District, Guangzhou, Guangdong, China
Sample Description:	Bottle filter
Model No.:	B01/B02/B03/B04/B05
Sample Received Date:	2023-09-25
Test Period:	From 2023-09-25 to 2023-10-13
Purpose of examination:	Verification of RoHS (Restriction of Hazardous Substances) directive 2011/65/EU and its amendment (EU) 2015/863 on submitted samples
Test Result:	Refer to following page(s)
Remark:	The result relates only to the items tested.

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

Prepared by:

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Project Handler

Reviewed by:

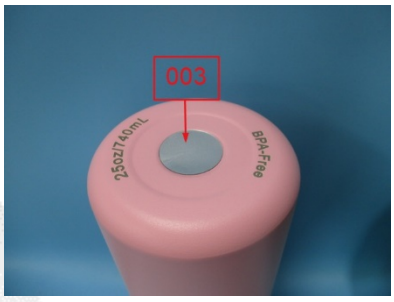
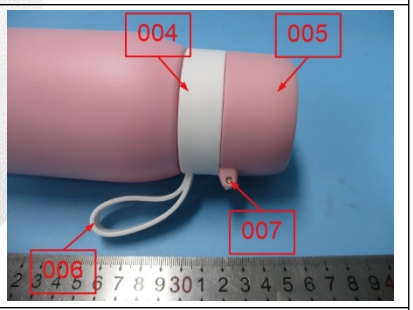
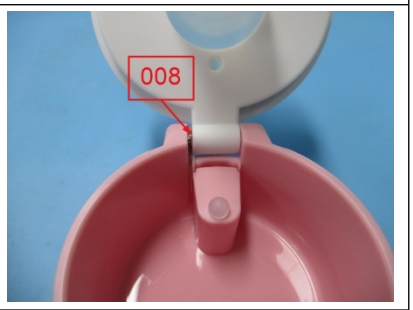
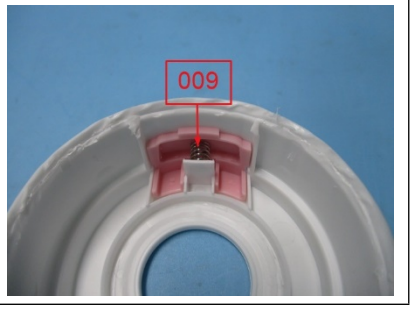
Kevin Zhang

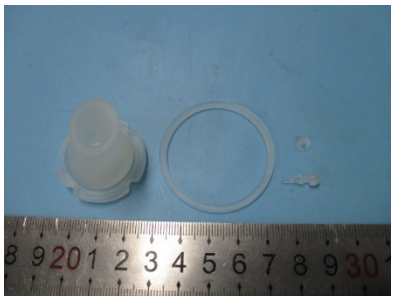
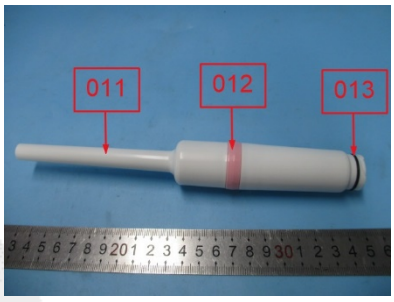
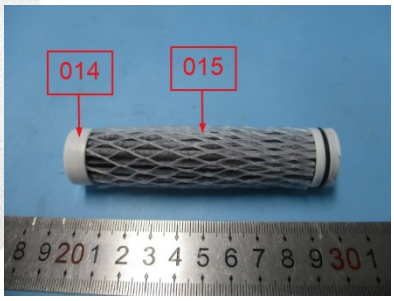
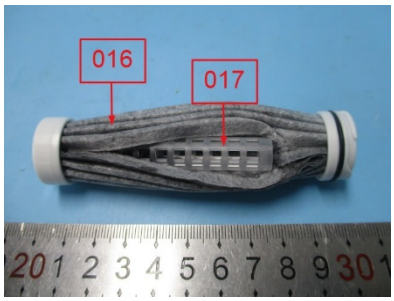
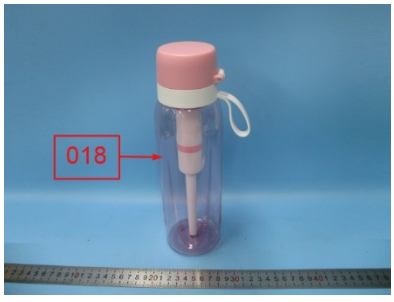
Designated Reviewer

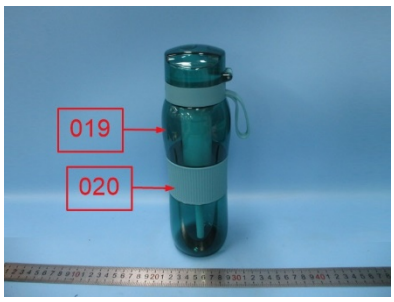
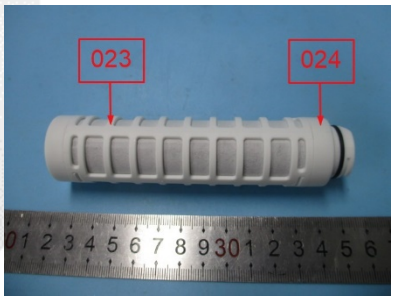
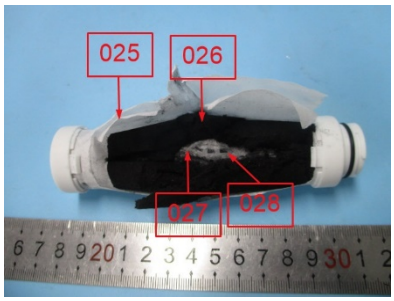
SUMMARY OF TEST RESULTS

No.	Test Requested	Conclusion	Remarks
1.	Heavy Metal (Pb, Cd, Hg and Cr VI) Content	**PASS**	/
2.	Polybrominated Biphenyls (PBBs) and Polybrominated Diphenyl Ethers (PBDEs) Content	**PASS**	/
3.	Phthalates (DEHP, BBP, DBP and DIBP) Content	**PASS**	/

1. TESTED SUBJECT DESCRIPTION

Sample Number	Tested Material Description	Photo
001	Pink coating	
002	Silvery metal cup substrate	
003	Silvery adhesive plastic sheet	
004	White plastic cap	
005	Pink plastic cap	
006	White soft plastic handle	
007	Silvery metal pin	
008	Silvery metal spring	
009	Silvery metal spring	

Sample Number	Tested Material Description	Photo
010	Translucent soft plastic part	
011	White plastic tube	
012	Pink plastic ring	
013	Black soft plastic seal ring	
014	White plastic cap	
015	Translucent soft plastic net	
016	Grey fabric	
017	Translucent plastic part	
018	Transparent pink plastic cup	

Sample Number	Tested Material Description	Photo
019	Transparent green plastic cup	
020	Green soft plastic ring	
021	Green plastic cap	
022	Green soft plastic handle	
023	White plastic frame	
024	White plastic cap	
025	White fabric	
026	Black activated cardon	
027	White fabric	
028	White plastic part	

2. TEST RESULTS

2.1. SCREENING TEST

Test method: With reference to EN 62321-1:2013, EN IEC 62321-2:2021, EN 62321-3-1:2014 and EN 62321-8:2017. For Heavy Metals and Flame Retardants, analyzed by Energy Dispersive X-ray Fluorescence Spectrometers (XRF); for phthalates, analyzed by Gas Chromatography and Mass Spectrometry (GC-MS).

Sample No.	Heavy Metals and Flame Retardants					Phthalates			
	Cd	Cr	Hg	Pb	Br	DEHP	BBP	DBP	DIBP
001	BL	BL	BL	BL	BL	BL	BL	BL	BL
002	BL	Inc.[a]	BL	BL	NA	NA	NA	NA	NA
003	BL	BL	BL	BL	BL	BL	BL	BL	BL
004	BL	BL	BL	BL	BL	BL	BL	BL	BL
005	BL	BL	BL	BL	BL	BL	BL	BL	BL
006	BL	BL	BL	BL	BL	BL	BL	BL	BL
007	BL	Inc.[a]	BL	BL	NA	NA	NA	NA	NA
008	BL	Inc.[a]	BL	BL	NA	NA	NA	NA	NA
009	BL	Inc.[a]	BL	BL	NA	NA	NA	NA	NA
010	BL	BL	BL	BL	BL	BL	BL	BL	BL
011	BL	BL	BL	BL	BL	BL	BL	BL	BL
012	BL	BL	BL	BL	BL	BL	BL	BL	BL
013	BL	BL	BL	BL	BL	BL	BL	BL	BL
014	BL	BL	BL	BL	BL	BL	BL	BL	BL
015	BL	BL	BL	BL	BL	BL	BL	BL	BL
016	BL	BL	BL	BL	BL	BL	BL	BL	BL
017	BL	BL	BL	BL	BL	BL	BL	BL	BL
018	BL	BL	BL	BL	BL	BL	BL	BL	BL
019	BL	BL	BL	BL	BL	BL	BL	BL	BL
020	BL	BL	BL	BL	BL	BL	BL	BL	BL
021	BL	BL	BL	BL	BL	BL	BL	BL	BL
022	BL	BL	BL	BL	BL	BL	BL	BL	BL
023	BL	BL	BL	BL	BL	BL	BL	BL	BL
024	BL	BL	BL	BL	BL	BL	BL	BL	BL
025	BL	BL	BL	BL	BL	BL	BL	BL	BL
026	BL	BL	BL	BL	BL	BL	BL	BL	BL
027	BL	BL	BL	BL	BL	BL	BL	BL	BL

Sample No.	Heavy Metals and Flame Retardants					Phthalates			
	Cd	Cr	Hg	Pb	Br	DEHP	BBP	DBP	DIBP
028	BL	BL	BL	BL	BL	BL	BL	BL	BL

Note:

- "BL" denotes below limit
- "OL" denotes over limit
- "Inc." denotes inconclusive
- "NA" denotes not applicable
- "(a)" denotes further confirmation test was conducted, results are listed in 2.2.
- XRF screening limits in mg/kg for regulated elements in various matrices

ELEMENT	POLYMER		
	BL	INCONCLUSIVE	OL
Cd	X≤(70-3σ)	(70-3σ)<X<(130+3σ)	X≥(130+3σ)
Pb	X≤(700-3σ)	(700-3σ)<X<(1300+3σ)	X≥(1300+3σ)
Hg	X≤(700-3σ)	(700-3σ)<X<(1300+3σ)	X≥(1300+3σ)
Br	X≤(300-3σ)	X>(300-3σ)	NA
Cr	X≤(700-3σ)	X>(700-3σ)	NA

ELEMENT	METAL		
	BL	INCONCLUSIVE	OL
Cd	X≤(70-3σ)	(70-3σ)<X<(130+3σ)	X≥(130+3σ)
Pb	X≤(700-3σ)	(700-3σ)<X<(1300+3σ)	X≥(1300+3σ)
Hg	X≤(700-3σ)	(700-3σ)<X<(1300+3σ)	X≥(1300+3σ)
Cr	X≤(700-3σ)	X>(700-3σ)	NA

ELEMENT	COMPLEX MATERIAL		
	BL	INCONCLUSIVE	OL
Cd	X≤(50-3σ)	(50-3σ)<X<(150+3σ)	X≥(150+3σ)
Pb	X≤(500-3σ)	(500-3σ)<X<(1500+3σ)	X≥(1500+3σ)
Hg	X≤(500-3σ)	(500-3σ)<X<(1500+3σ)	X≥(1500+3σ)
Br	X≤(250-3σ)	X>(250-3σ)	NA
Cr	X≤(500-3σ)	X>(500-3σ)	NA

- Screening limits in mg/kg for regulated phthalates in various matrices

PHTHALATES	BL	INCONCLUSIVE
DEHP	X<600	X≥ 600
BBP	X<600	X≥ 600
DBP	X<600	X≥ 600
DIBP	X<600	X≥ 600

2.2. HEAVY METAL CONTENT

Test method: With reference to EN 62321-4:2014 /A1:2017, EN 62321-5:2014, EN 62321-7-1:2015 and EN 62321-7-2:2017, analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) and Ultraviolet–visible spectrophotometer (UV-Vis). [Reporting Limit: 2 mg/kg for Cadmium; 10 mg/kg or 0.10 μg/cm^2 for Hexavalent Chromium, 10 mg/kg for Lead and Mercury.]

Sample No.	Result				
	Total Cadmium	Hexavalent Chromium	Hexavalent Chromium	Total Mercury	Total Lead
002	--	/	Negative	--	--
007	--	/	Negative	--	--
008	--	/	Negative	--	--
009	--	/	Negative	--	--
Unit	mg/kg	mg/kg	μg/cm^2	mg/kg	mg/kg
RoHS Requirement	100	1000	Negative#	1000	1000

Note:

- "mg/kg" denotes milligram per kilogram
- "μg/cm^2" denotes micrograms per square centimeter
- "<" denotes less than
- "Negative" denotes the absorbance value of sample is < 0.10 μg/cm^2, the sample is considered to be negative for Hexavalent Chromium.
- "#" According to DIRECTIVE 2011/65/EU Article 4(1) and Annex II. While, positive means the presence of CrVI on tested areas and the result(s) was (were) regarded as in conflict with European Parliament and Council Directive 2011/65/EU, Article 4(1) and Annex II.
- "--" denotes tested by XRF, result is listed in 2.1

3. REMARK

The chemical testing was performed in TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch Chemical lab and the test results were reviewed at TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch.

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APPENDIX:

Photos of submitted products



---------End of Report---------