



TEST REPORT

Technical Report: (9318)359-0155

Dec 26, 2018

Date Received: Dec 25, 2018

Page 1 of 14

JEFFERSON CHEN
DONGGUAN OUMENG HOUSEWARE PRODUCTS CO., LTD
NO. 8 CAOTOUYUAN CENTRAL STREET, SHAOGANGTOU VILLAGE, QIAOTOU
TOWN, DONGGUAN CITY, GUANGDONG PROVINCE 523536, CHINA

Sample Description: Sample(s) received is/are stated to be:
AS PER IMAGE: TOOLS

Color:	/	Style no. / Model no.:	/
Order No.:	/	PO No.:	/
Age Grade:	/	Product End Use:	/
Vendor:	/	Retest No.:	/
Manufacturer:	/	Supplier Reference:	/
Buyer:	/	Country of Origin:	/
Test Period:	Dec 25, 2018 to Dec 26, 2018	Country of Destination:	/
Fiber Content:	/		
Care Instruction:	/		

SAMPLE DESCRIPTION ASSIGNED BY LABORATORY

ITEM	ITEM DESCRIPTION
1	Transparent plastic (tritan)
2	Pink plastic (PP/ PE)
3	Translucent plastic (TPE)

Bureau Veritas Consumer Products Services (Guangzhou) Co., Ltd

No. 183, Shinan Road, Meilin Plaza, Dongchong, Nansha,
Guangzhou, Guangdong Province, China 511453
Tel: (86) 20 2290 2088 Fax: (86) 20 3490 9303
Email: BVCPS_pyinfo@cn.bureauveritas.com
Website: cps.bureauveritas.com

This report is governed by, and incorporates by reference, CPS Conditions of Service as posted at the date of issuance of this report at <http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/> and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

The content of this PDF file is in accordance with the original issued reports for reference only.
This Test Report cannot be reproduced, except in full, without prior written permission of the company.



Technical Report:

(9318)359-0155

Dec 26, 2018

Page 2 of 14

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
SENSORY TEST (ODOUR AND TASTE) FOR MATERIALS IN CONTACT WITH FOODSTUFFS – EC NO. 1935/2004 AND § 30 AND 31 LFGB AND BFR RECOMMENDATION	PASS	
OVERALL MIGRATION TEST FOR PLASTIC MATERIALS IN CONTACT WITH FOODSTUFFS – COMMISSION REGULATION (EU) NO. 10/2011 AND ITS AMENDMENTS	PASS	
SPECIFIC MIGRATION OF HEAVY METALS FOR PLASTIC MATERIALS IN CONTACT WITH FOODSTUFFS – COMMISSION REGULATION (EU) NO. 10/2011 AND ITS AMENDMENTS	PASS	
SPECIFIC MIGRATION OF HEAVY METALS FOR PLASTIC MATERIALS IN CONTACT WITH FOODSTUFFS –AMENDMENT OF COMMISSION REGULATION (EU) NO 10/2011	PASS	
BISPHENOL A (BPA) CONTENT	PASS	
TOTAL LEAD CONTENT - EUROPEAN PARLIAMENT AND COUNCIL REGULATION (EC) NO. 1907/2006 CONCERNING THE REGISTRATION, EVALUATION, AUTHORISATION AND RESTRICTION OF CHEMICALS (REACH) WITH LATEST AMENDMENT, ANNEX XVII, ENTRY 63, POINT 7	PASS	
TOTAL CADMIUM CONTENT IN PLASTIC MATERIAL - EUROPEAN PARLIAMENT AND COUNCIL REGULATION (EC) NO. 1907/2006 CONCERNING THE REGISTRATION, EVALUATION, AUTHORISATION AND RESTRICTION OF CHEMICALS (REACH) WITH ITS LATEST AMENDMENT, ENTRY 23	PASS	
POLYCYCLIC AROMATIC HYDROCARBONS (PAHS) CONTENT - GERMAN PRODUCT SAFETY COMMISSION GS SPECIFICATION AFPS GS 2014:01 PAK	PASS	

REMARK

If there are questions or concerns on this report, please contact:

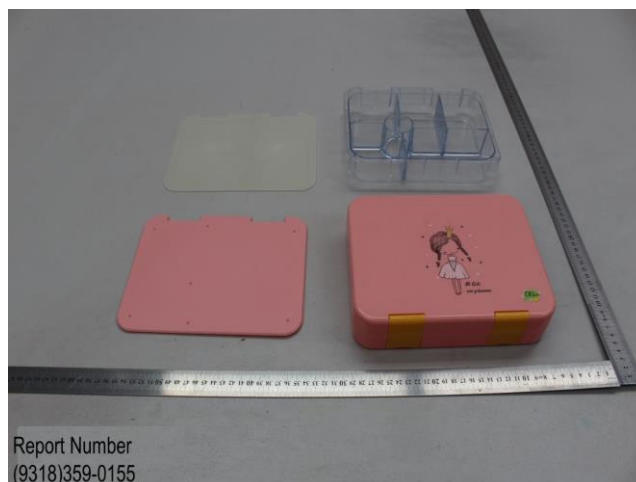
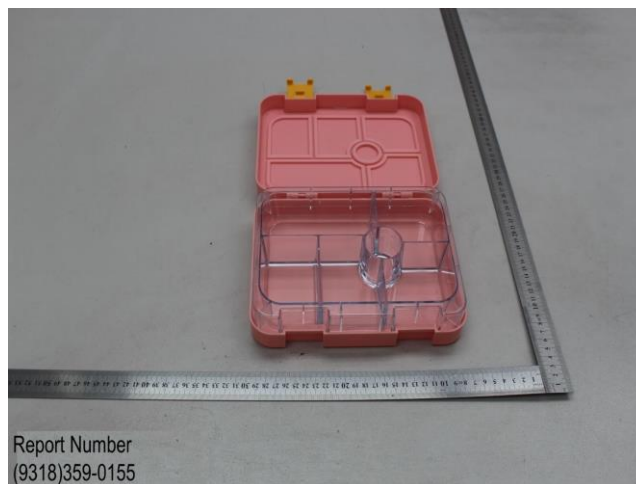
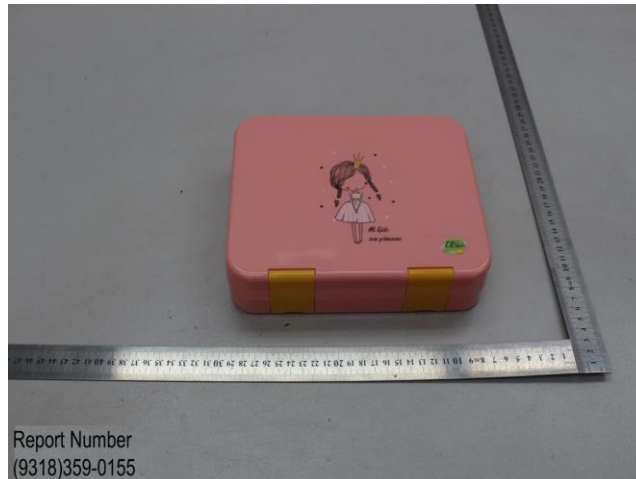
(86)20-22902088

bvcps_pyinfo@cn.bureauveritas.com

BUREAU VERITAS CONSUMER PRODUCTS SERVICES (GUANGZHOU) CO., LTD

NINA REN
SENIOR MANAGER

Photo of the Submitted Sample





Technical Report:

(9318)359-0155

Dec 26, 2018

Page 4 of 14

TEST RESULT

***Sensory Test (Odour and Taste) for Materials in Contact with Foodstuffs – EC No. 1935/2004 and § 30 and 31 LFGB and BfR Recommendation**

Parameter	Result	Maximum Allowable Limit
	2	
Odour	1	2.5 Scale
Taste transfer into foodstuff through simulant, Chocolate	1	2.5 Scale
Taste transfer into foodstuff through simulant, Coconut fat	1	2.5 Scale
Taste transfer into foodstuff through simulant, Butter biscuits	1	2.5 Scale
Taste transfer into foodstuff through simulant, Mineral water	1	2.5 Scale
Conclusion	PASS	-

Note: Scale: 0 = no perceptible off-odour (or taste transfer);
1 = off-odour (or taste transfer) just perceptible (but still difficult to define);
2 = slight off-odour (or taste transfer);
3 = distinct off-odour (or taste transfer);
4 = strong off-odour (or taste transfer)

Method: DIN 10955: 2004-06

TEST RESULT

***Overall Migration Test for Plastic Materials in Contact with Foodstuffs – Commission Regulation (EU) No. 10/2011 and Its Amendments**

Test Condition: 3% acetic acid, 100°C, 2h
 95% ethanol, 60°C, 4h
 Iso-octane, 60°C, 2h

Simulant Used	Unit	Result		Maximum Allowable Limit	Analytical Tolerance
		1			
Food contact surface area	dm ²	2.1		-	-
Volume of stimulant used	mL	200		-	-
3% Acetic acid	mg/dm ²	<5		10	+2
95% Ethanol	mg/dm ²	<5		10	+3
Iso-octane	mg/dm ²	<5		10	+3
Conclusion	-	PASS		-	-

Test Condition: 3% acetic acid, 70°C, 2h
 95% ethanol, 60°C, 2h
 Iso-octane, 40°C, 0.5h

Simulant Used	Unit	Result		Maximum Allowable Limit	Analytical Tolerance
		2	3		
Food contact surface area	dm ²	0.6	0.6	-	-
Volume of stimulant used	mL	100	100	-	-
3% Acetic acid	mg/dm ²	<5	<5	10	+2
95% Ethanol	mg/dm ²	<5	<5	10	+3
Iso-octane	mg/dm ²	<5	<5	10	+3
Conclusion	-	PASS	PASS	-	-

Note: “<” = less than
 mg/dm² = milligram per square decimeter

Method: EN 1186-1: 2002;

Remark: 1) The migration test is carried out according to EU regulation No. 10/2011 and the corresponding regulatory statutes.

2) For article intended for repeated use, the migration tests are carried out three times on the same test sample and the third test result is shown in result table.

TEST RESULT

*Specific Migration of Heavy Metals for Plastic Materials in Contact with Foodstuffs – Commission Regulation (EU) No. 10/2011 and Its Amendments

Test Condition: 3% acetic acid, 100°C, 2h

Parameter	Simulant Used	Unit	Result		Maximum Allowable Limit
			1		
Food contact surface area	-	dm ²	2.1		-
Volume of stimulant used	-	mL	200		-
Barium (Ba)	3% Acetic acid	mg/kg	<0.1		1
Cobalt (Co)	3% Acetic acid	mg/kg	<0.005		0.05
Copper (Cu)	3% Acetic acid	mg/kg	<0.5		5
Iron (Fe)	3% Acetic acid	mg/kg	<5		48
Lithium (Li)	3% Acetic acid	mg/kg	<0.1		0.6
Manganese (Mn)	3% Acetic acid	mg/kg	<0.1		0.6
Zinc (Zn)	3% Acetic acid	mg/kg	<3		25
Conclusion	-	-	PASS		-

Test Condition: 3% acetic acid, 70°C, 2h

Parameter	Simulant Used	Unit	Result		Maximum Allowable Limit
			2	3	
Food contact surface area	-	dm ²	0.6	0.6	-
Volume of stimulant used	-	mL	100	100	-
Barium (Ba)	3% Acetic acid	mg/kg	<0.1	<0.1	1
Cobalt (Co)	3% Acetic acid	mg/kg	<0.005	<0.005	0.05
Copper (Cu)	3% Acetic acid	mg/kg	<0.5	<0.5	5
Iron (Fe)	3% Acetic acid	mg/kg	<5	<5	48
Lithium (Li)	3% Acetic acid	mg/kg	<0.1	<0.1	0.6
Manganese (Mn)	3% Acetic acid	mg/kg	<0.1	<0.1	0.6
Zinc (Zn)	3% Acetic acid	mg/kg	<3	<3	25
Conclusion	-	-	PASS	PASS	-

Note: “<” = less than
mg/kg = milligram per kilogram

Method: EN 13130-1: 2004 and analysis by Inductively Coupled Argon Plasma Spectrometer (ICP).

Remark: 1) The migration test is carried out according to EU regulation No. 10/2011 and the corresponding regulatory statutes.

2) For article intended for repeated use, the migration tests are carried out three times on the same test sample and the third test result is shown in result table.

TEST RESULT

*Specific Migration of Heavy Metals for Plastic Materials in Contact with Foodstuffs – Amendment of Commission Regulation (EU) No 10/2011

Test Condition: 3% acetic acid, 100°C, 2h

Parameter	Simulant Used	Unit	Result		Maximum Allowable Limit
			1		
Food contact surface area	-	dm ²	2.1		-
Volume of stimulant used	-	mL	200		-
Aluminum (Al)	3% Acetic acid	mg/kg	<0.1		1
Zinc (Zn)	3% Acetic acid	mg/kg	<3		5
Nickel (Ni)	3% Acetic acid	mg/kg	<0.002		0.02
Conclusion	-	-	PASS		-

Test Condition: 3% acetic acid, 70°C, 2h

Parameter	Simulant Used	Unit	Result		Maximum Allowable Limit
			2	3	
Food contact surface area	-	dm ²	0.6	0.6	-
Volume of stimulant used	-	mL	100	100	-
Aluminum (Al)	3% Acetic acid	mg/kg	<0.1	<0.1	1
Zinc (Zn)	3% Acetic acid	mg/kg	<3	<3	5
Nickel (Ni)	3% Acetic acid	mg/kg	<0.002	<0.002	0.02
Conclusion	-	-	PASS	PASS	-

Note: “<” = less than
mg/kg = milligram per kilogram

Method: EN 13130-1: 2004 and analysis by Inductively Coupled Argon Plasma Spectrometer (ICP).

Remark: 1) The migration test is carried out according to EU regulation No. 10/2011 and the corresponding regulatory statutes.

2) For article intended for repeated use, the migration tests are carried out three times on the same test sample and the third test result is shown in result table.



Technical Report:

(9318)359-0155

Dec 26, 2018

Page 8 of 14

TEST RESULT

*Bisphenol A (BPA) Content

Method:	Sample was extracted with organic solvent and then analyzed by Liquid Chromatograph Mass Spectrometer.		
Limit :	0.1 mg/kg		
Test Item(s)	Result	Unit	Conclusion
1	ND	mg/kg	PASS
2	ND	mg/kg	PASS
3	ND	mg/kg	PASS

Note / Key :

ND = Not detected

“>” = Greater than

mg/kg = milligram(s) per kilogram = ppm = part(s) per million

No. = Number

Detection Limit (mg/kg) : 0.1



Technical Report:

(9318)359-0155

Dec 26, 2018

Page 9 of 14

TEST RESULT

***Total Lead Content - European Parliament and Council Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) with Latest Amendment, Annex XVII, Entry 63, Point 7**

Test Method : Sample was digested with acid and then analyzed by Inductively Coupled Argon Plasma Spectrometer.

Limit :		Less than 500 mg/kg
-	Unit	Result
Test Item(s)	-	2
Parameter	-	-
Total Lead (Pb)	mg/kg	ND
Conclusion	-	PASS

Note / Key :

ND = Not detected

">" = Greater than

mg/kg = milligram(s) per kilogram = ppm = part(s) per million

10 000 mg/kg = 1 %

% = percent

Detection Limit (mg/kg) : 10

Remark :

- Accessible surface coating, print, metal and plastic in article(s) or part(s) of article(s), during normal or reasonably foreseeable condition of use, which may be placed in the mouth by children are applicable to be tested.
- Without applying to this requirement, exemption can granted to article(s) or part(s) of article(s) placed on the market for the first time before June 1, 2016, brass alloy containing up to 0.5 % lead by weight and those listed in Comment section.
- Acceptable documentation is required to verify the material type(s) as recommended by Bureau Veritas Consumer Products Services, Inc.

Comment :

List of Materials, Components or Articles which are not applicable to this Requirement :	
No.	Material / Component / Article Description
1	Jewellery articles covered by European Parliament and Council Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) with Latest Amendment, Annex XVII, Entry 63, Point 1.
2	Crystal glass as defined in Annex 1 (Categories 1, 2, 3 and 4) to European Council Directive 69/493/EEC.
3	Non-synthetic or reconstructed precious and semiprecious stones [Combined Nomenclature (CN) code 7103, as established by European Council Regulation (EEC) No. 2658/87], unless they have been treated with lead or its compounds or mixtures containing these substances.
4	Enamels, defined as vitrifiable mixtures resulting from the fusion, vitrification or sintering of minerals melted at a temperature of at least 500 degree Celsius (°C).
5	Keys and locks, including padlocks.
6	Musical instruments
7	Articles and parts of articles comprising brass alloys, if the concentration of lead (expressed as metal) in the brass alloy does not exceed 0.5 % by weight.
8	The tips of writing instruments
9	Religious articles
10	Portable zinc-carbon batteries and button cell batteries
11	Articles within the scope of : (i) European Council Directive 94/62/EC; (ii) European Parliament and Council Regulation (EC) No. 1935/2004; (iii) European Parliament and Council Directive 2009/48/EC; (iv) European Parliament and Council Directive 2011/65/EU



Technical Report:

(9318)359-0155

Dec 26, 2018

Page 11 of 14

TEST RESULT

***Total Cadmium Content in Plastic Material - European Parliament and Council Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) with its Latest Amendment, Entry 23**

Test Method : British Standard BS EN 1122: 2001, Method B.

Maximum Allowable Limit :		100 mg/kg
-	Unit	Result
Test Item(s)	-	2
Parameter	-	-
Test Sample(s) / Trial(s)	-	-
Trial 1	mg/kg	ND
Trial 2	mg/kg	ND
Average Total Cadmium (Cd)	mg/kg	ND
Conclusion	-	PASS

Note / Key :

ND = Not detected

“>” = Greater than

mg/kg = milligram(s) per kilogram = ppm = part(s) per million

10 000 mg/kg = 1 %

% = percent

No. = Number(s)

Detection Limit (mg/kg) : 10

Remark :

- Plastic material(s) produced from recovered polyvinyl chloride (PVC) is (are) not allowed to comply with this requirement and has (have) to comply with another total cadmium requirement with maximum allowable limit of 1 000 mg/kg.



Technical Report:

(9318)359-0155

Dec 26, 2018

Page 13 of 14

Comment :

List of Types [Categories defined in German AfPS GS 2014:01 PAK] :		
Category	Category Description(s)	Type
1	Category 1: Materials intended for mouth contact or materials in toys with intended long-term skin contact for more than 30 seconds	I
2	Category 2: Materials which are not covered in Category 1 with foreseeable contact to skin longer than 30 seconds (Long-term skin contact) or repeated short-term skin contact	IIa ^[b] or IIb ^[c]
3	Category 3: Materials which are not covered in Category 1 or Category 2 with foreseeable skin contact up to 30 seconds (Short-term skin contact)	IIIa ^[b] or IIIb ^[c]
^[b] denotes as toys according to European Parliament and Council Directive 2009/48/EC		
^[c] denotes as other products according to German ProdSG		

END



Technical Report:

(9318)359-0155

Dec 26, 2018

Page 14 of 14

APPENDIX

List of Polycyclic Aromatic Hydrocarbons (PAHs) [German AfPS GS 2014:01 PAK] :					
No.	Name of Analyte(s)	CAS-No.	No.	Name of Analyte(s)	CAS-No.
1	Benzo (a) pyrene	50-32-8	10	Indeno (1,2,3-cd) pyrene	193-39-5
2	Benzo (e) pyrene	192-97-2	11	Acenaphthylene	208-96-8
3	Benzo (a) anthracene	56-55-3	12	Acenaphthene	83-32-9
4	Benzo (b) fluoranthene	205-99-2	13	Fluorene	86-73-7
5	Benzo (j) fluoranthene	205-82-3	14	Phenanthrene	85-01-8
6	Benzo (k) fluoranthene	207-08-9	15	Pyrene	129-00-0
7	Chrysene	218-01-9	16	Anthracene	120-12-7
8	Dibenzo (a,h) anthracene	53-70-3	17	Fluoranthene	206-44-0
9	Benzo (g,h,i) perylene	191-24-2	18	Naphthalene	91-20-3

CAS-No. = Chemical Abstracts Service registry number