



## Test Report

No. C210810107001-2

Date: Aug 16, 2021

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Applicant: SHANTOU EUROPE-PACK PLASTIC CO., LTD

Applicant Address: #no 11, 12 lane. pumei meihu area, chenghai, shantou city, guangdong province, China.

The following samples were submitted and identified on behalf of the clients as

Sample Name: PLASTIC TABLEWARE

Model: 1C,2C,3C,4C,5C,6C,7C,8C,11C,13C,14C,22C,23C,26C,27C,29C,30C,31C,32C,35C,36C,37C,38C,44C,45C,46C,47C,48C,48CL,49C,50C,51C,52C,52CL,54C,55C,56C,57C,58C,58CL,59C,60C,61CL,62C,63C,64C,65C,66C,67CL,68C,69C,70C,71C,72C,73C,74C,75C,76C,77C,78C,79C,80C,81C,82C,83C,84C,85C,86C,87C,88C,89C,90C,91C,92C,93C,94C,95C,96C,97C,98C,99C,113C,114C,124C,125C,126C,128C,129C,131C,130C,132C,133CL,134CL,135CL,136CL,137CL,138CL,139CL,140CL,141CL,142CL,143CL,144CL,145CL,146CL,147CL,148CL,149CL,150CL,151CL,152CL,153CL,154CL,155CL,156CL,157CL,158CL,159CL,160CL,161CL,162CL,163CL,164CL,165CL,166CL,167C,168C,200C,200CL,180C,181C,182C,453C,412C,415C, sw3,sw4,sw5,sw2, K5

Material: PS

CPST Internal Reference No.: C210810107

Sample Received Date: Aug 10, 2021

Test Period: Aug 10, 2021 to Aug 16, 2021

Test Method: Please refer to next page(s).

Test Result: Please refer to next page(s).



Signed for and on behalf of  
Euronnes (Dongguan) Consumer Products Testing Service Co., Ltd

WRITTEN BY :

Silvia Chan

Chen Xiao Ting, Silvia  
Report writer

REVIEWED BY:

Sunshine Liu

Liu Xiao Fang, Sunshine  
Report Reviewer

APPROVED BY:

Will Pan

Pan Jian Ding, Will  
Technical Supervisor

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# CPST

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### CONCLUSION :

#### TESTED SAMPLES

#### TEST ITEM

#### RESULT

PLASTIC TABLEWARE

Regulation (EC) No 1935/2004, the Commission Regulation (EU) No 10/2011 and its amendment (EU) No 2016/1416, (EU) No 2017/752, (EU) No 2018/79 and (EU) No 2020/1245

1. Overall migration

**PASS**

2. Specific migration for heavy metal

**PASS**

3. Bisphenol A(BPA) migration

**PASS**

4. Bisphenol A (BPA) Content

**PASS**

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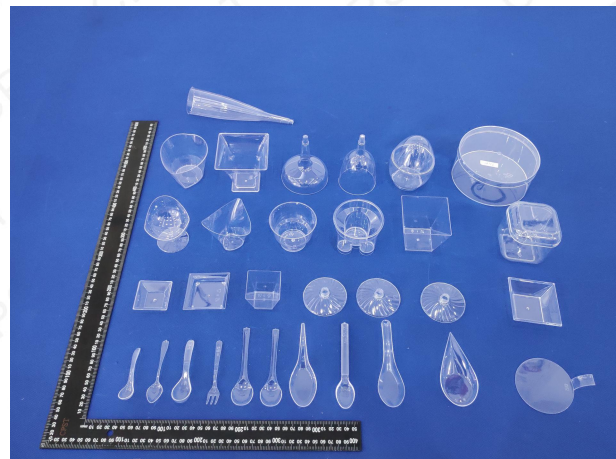
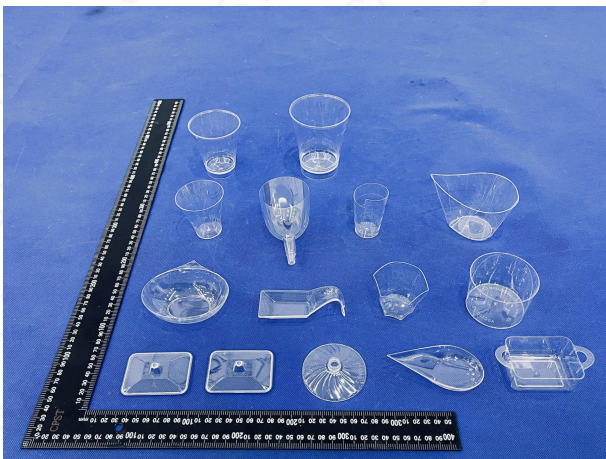
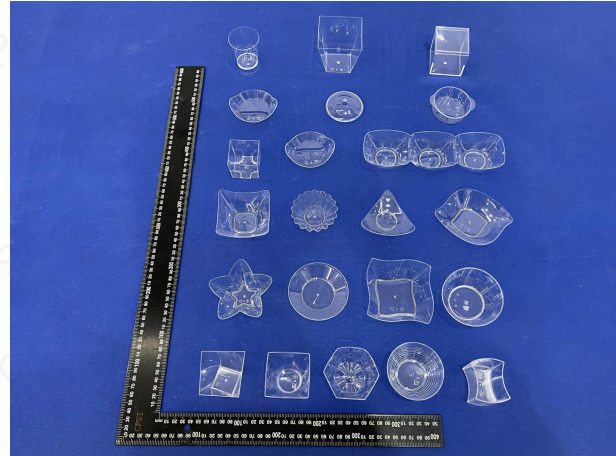
Euronos (Dongguan) Consumer Products Testing Service Co., Ltd. Tel: (86-769) 38937858 Fax: (86-769) 38937859 Http:// www.cpstlab.com

Room 1092, No.12, East of Houjie Avenue, Houjie, Dongguan, Guangdong, China Postcode: 523945 E-mail: service@cpstlab.com

### Photo of the Submitted Sample



Test sample



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### Test Result(s):

Description of Specimen : Transparent plastic cup

### 1.1 Overall migration

Test Method: To refer to the EN 1186-1:2002 & EN 1186-3:2002 & EN 1186-14:2002.

Test Items	Test condition	Result (mg/dm <sup>2</sup> )			Requirement (mg/dm <sup>2</sup> )
		The first	The second	The third	
Maximum extractable fraction in 3% Acetic Acid	100°C, 1h	<3	<3	<3	10
Maximum extractable fraction in 10% ethanol	100°C, 1h	<3	<3	<3	10
Maximum extractable fraction in olive oil substitute -95% ethanol	60°C, 3h	<3	<3	<3	10
Maximum extractable fraction in Olive oil substitute-isooctane	60°C, 1h	<3	<3	<3	10

Note: mg/dm<sup>2</sup> = milligram per square decimeter < = less than

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### 2. Extractable Heavy Metal

Test Method: To refer to the EN 13130-1:2004, the analysis was performed by ICP-OES.

Test Item	Test condition	Result (mg/kg)			Limit(mg/kg)
		The first	The second	The third	
Barium (Ba)	100°C, 1h 3% Acetic Acid	<0.1	<0.1	<0.1	1
Cobalt (Co)		<0.01	<0.01	<0.01	0.05
Copper (Cu)		<0.1	<0.1	<0.1	5
Iron (Fe)		<2	<2	<2	48
Lithium (Li)		<0.01	<0.01	<0.01	0.6
Zinc (Zn)		<0.1	<0.1	<0.1	5
Aluminum(Al)		<0.1	<0.1	<0.1	1
Manganese (Mn)		<0.01	<0.01	<0.01	0.6
Nickle(Ni)		<0.01	<0.01	<0.01	0.02
Lead(Pb)		<0.01	<0.01	<0.01	0.01
Cadmium(Cd)		<0.002	<0.002	<0.002	0.002
Arsenic(As)		<0.01	<0.01	<0.01	0.01
Mercury(Hg)		<0.01	<0.01	<0.01	0.01
Chromium(Cr)*		<0.01	<0.01	<0.01	0.01
Antimony(Sb)		<0.01	<0.01	<0.01	0.04
Europium(Eu)		<0.01	<0.01	<0.01	0.05
Gadolinium(Gd)		<0.01	<0.01	<0.01	0.05
Lanthanum(La)	<0.01	<0.01	<0.01	0.05	
Terbium(Tb)	<0.01	<0.01	<0.01	0.05	

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

\* The detection limit of total chromium shall be 0.01mg/kg.If there is evidence that hexavalent chromium is absent, the total chromium limit may be 3.6mg/kg.

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### 3. Bisphenol A(BPA) migration

Test Method: With reference to EN 13130-1:2004, analysis was performed by Liquid Chromatograph Mass Spectrometer (LC-MS).

Test Item	Test Condition	Result (mg/kg)			Limit (mg/kg)
		The first	The second	The third	
Bisphenol A (BPA) migration	100°C, 1h 3% acetic acid	<0.01	<0.01	<0.01	0.05

Note:

1. mg/kg = milligram per kilogram = ppm
2. < = Less than .
3. MDL = Method Detection Limit.

### 4. Bisphenol A (BPA) Content

Test Method: With reference to Solvent Extraction, analysis was performed by Liquid Chromatograph Mass Spectrometer (LC-MS).

Test Item	Unit	Result	MDL	Limit
Bisphenol A(BPA )	mg/kg	N.D.	0.1	Absent

Note:

1. mg/kg = milligram per kilogram = ppm
2. N.D. = Not Detected (< MDL).
3. MDL = Method Detection Limit.

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**Note:**

According to Regulation (EU) No 10/2011 and its amendment (EU) 2020/1245, for repeated use materials and articles:

- 1) The applicable overall migration test shall be carried out three times on a single sample. The overall migration in the second test shall be lower than in the first test, and the overall migration in the third test shall be lower than in the second test. Compliance with the overall migration limit shall be verified on the basis of the level of the overall migration found in the third test.
- 2) Specific migration test(s) shall be carried out three times on a single sample. Compliance shall then be verified on the basis of the level of the migration found in the third test and on the basis of the stability of the material or article from the first to the third migration test. The stability of the material shall be considered insufficient if migration is observed above the level of detection in any of the three migration tests, and increases from the first migration test to the third migration test. In case of insufficient stability, compliance of the material shall not be established even in case the specific migration limit is not exceeded in any of the three tests. Irrespective of the above rules, a material or article shall never be considered to comply with the Regulation if in the first test a substance that is prohibited from migrating or from being released in detectable quantities.

**Remark:** As specified by applicant, to test content in the selected materials of the submitted samples. The test results are only responsible for the submitted sample.

\*\*\* End of Report \*\*\*

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