

Test Report

Number: GZHH00370210

Applicant: GUANGZHOU JIURONG PACKAGING CO., LTD
RM B1509-1510, ANHUAHUI NORTH TOWER,
NO. 888, BAIYUN NORTH AVENUE,
BAIYUN DIST, GUANGZHOU

Date: Jul 09, 2020

Sample Description:

One (1) set of submitted sample said to be :

Item Name : **Paper Straw**
Country of Origin : China

Tested sample



Tests conducted:

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

To be continued



Test Report

Number: GZHH00370210

Conclusion:

<u>Tested sample</u>	<u>Standard</u>	<u>Result</u>
Tested component(s) of submitted sample set	European Commission Regulation No 1935/2004 on Sensory test	Pass
	Resolution AP (2002)1 Paper and Board Material and Articles Intended to Come into Contact with Foodstuffs on fastness of fluorescent whitening agents	Pass
	Resolution AP (2002)1 Paper and Board Material and Articles Intended to Come into Contact with Foodstuffs on migration of heavy metal content	Pass
	Resolution AP(2002) 1- Formaldehyde content on Paper and Paperboard	Pass
	Resolution AP(2002) 1 - migration of Benzophenone and 4-Methylbenzophenone content on Paper and Paperboard	Pass
	Resolution AP (2002)1 Paper and Board Material and Articles Intended to Come into Contact with Foodstuffs on pentachlorophenol (PCP) content	Pass

Authorized by:
For Intertek Testing Services Shenzhen Ltd.
Guangzhou Branch, Hardlines



Victor T.J. Wang
Assistant General Manager



Test Report

Number: GZHH00370210

Tests Conducted

1 Sensory Evaluation

With reference to DIN 10955:2004.

Test Procedure:

Sample was cleaned according to the product's instruction manual or in the absence of such manual, with water. Food simulant was filled in the sample under below mentioned time and temperature. Odour and off-flavour was evaluated with 6 panelists using control sample of food simulant.

I. Test condition:

Water 23 °C 24 hours

II Result:

Test Item	Result	Limit
	(1)	
Appearance of simulant	Clear and colourless	Clear and colourless
Intensity of odour	1	< 3.0
Intensity of off- flavour	1	< 3.0

Intensity Scale: 0 = No discernible deviation
1 = Barely discernible deviation
2 = weak deviation
3 = Clear deviation
4 = Strong deviation

Tested component: (1)White paper with red printing (straw).

Date sample received : Jun 30, 2020

Testing period : Jun 30, 2020 to Jul 07, 2020

2 Fastness of Fluorescent whitening agents

As per EN 648:2018.

Side tested: Both side

Test condition: procedure A: 24h at (23±2)°C .

Test Fluid	Evaluation against Fluorescent Whitenened Agent Paper
	(1)
Deionized Water	No staining (Grade 5)
Aqueous Acetic Acid 3.0% (m/v)	No staining (Grade 5)
Alkaline salt solution	No staining (Grade 5)
Rectified Olive Oil	No staining (Grade 5)

Limit: No staining (Grade 5).



Test Report

Number: GZHH00370210

Tests Conducted

Tested component: (1)White paper with red printing (straw).

Date sample received : Jun 30, 2020
Testing period : Jun 30, 2020 to Jul 07, 2020

3 Migration of Heavy Metal Content

As per EN 645:1993 , BS EN 12497:2005 and BS EN 12498:2018.

Substance	Result (mg/dm ²)	Reporting Limit (mg/dm ²)	Limit (mg/dm ²)
	(1)		
Lead (Pb)	ND	0.001	0.003
Cadmium (Cd)	ND	0.001	0.002
Mercury (Hg)	ND	0.001	0.002

ND = Not detected (less than reporting limit)

Tested component: (1)White paper with red printing (straw).

Date sample received : Jun 30, 2020
Testing period : Jun 30, 2020 to Jul 07, 2020

4 Formaldehyde Content

As per BS EN1541:2001, EN 645:1993 and Resolution AP(2002) 1, by UV-Visible Spectrophotometer analysis.

Test item	Result (mg/kg)	Reporting limit (mg/kg)	Limit (mg/kg)
	Tested component		
	(1)		
Formaldehyde	ND	1	15

ND = Not detected (less than reporting limit)

Tested component: (1)White paper with red printing (straw).

Date sample received : Jun 30, 2020
Testing period : Jun 30, 2020 to Jul 02, 2020



Test Report

Number: GZHH00370210

Tests Conducted

5 Specific Migration of Benzophenone and 4-Methybenzophenone

As per EN 645:1993, followed by High Performance Liquid Chromatograph-Diode Array Detector (HPLC-DAD) analysis.

Simulant: water

Test Condition : 23 °C 24 hours

Test result:

Test item	Result (mg/kg)	Reporting limit (mg/kg)	Limit (mg/kg)
	Tested component		
	(1)		
Benzophenone	ND	0.1	0.6
4-Methybenzophenone	ND	0.1	0.6

ND = Not detected

Tested component: (1)White paper with red printing (straw).

Date sample received : Jun 30, 2020

Testing period : Jun 30, 2020 to Jul 07, 2020

6 Pentachlorophenol (PCP) Content

As per ISO15320: 2003, by Gas Chromatography Mass Spectrometric (GC/MS) analysis

Test item	Cas No.	Result (mg/kg)	Reporting limit (mg/kg)	Limit (mg/kg)
		Tested component		
		(1)		
Pentachlorophenol (PCP)	87-86-5	ND	0.10	0.15

ND = Not detected (less than reporting limit)

Tested component: (1)White paper with red printing (straw).

Date sample received : Jun 30, 2020

Testing period : Jun 30, 2020 to Jul 03, 2020

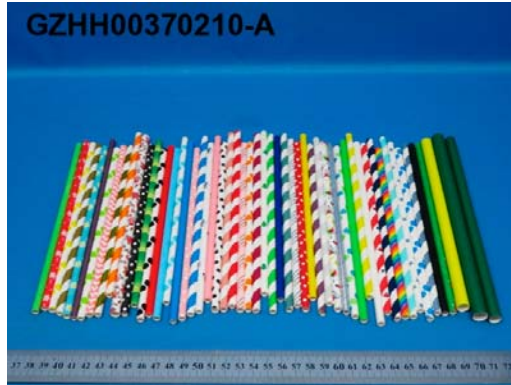


Test Report

Number: GZHH00370210

Tests Conducted

Reference photo



Remark: The products in the reference photo are not tested in this report. It's declared by the applicant that they are the same series of products with the particular tested sample, just included in the report for reference.

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 report is made solely on the basis of your instructions and/or information and materials supplied by you. 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 Testing Services Shenzhen Limited, Guangzhou Branch.

