



Test Report

No.: T31920281992SC-01

Date: NOV 05, 2019

Page 1 of 6

CI UNIPACK COLOMBIA SAS
CALLE 40 # 46-189 - BARRANQUILLA, COLOMBIA

This report supersedes all previous documents bearing the test report number T31920281992SC.

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

PAPER CONE CUP

SGS Case No. : CA319202834019
Colour : WHITE
Product End Use : WATER CUP, FOR USING TO DRINK WATER
Sample Receiving Date : SEP 24, 2019
Test Performing Date : SEP 24 – OCT 09, 2019

Test Requested : Please refer to the result summary.

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Test Report

No.: T31920281992SC-01

Date: NOV 05, 2019

Page 2 of 6

Result Summary :

Test Requested	Conclusion
1. Council of Europe Resolution AP (2002) 1	--
a) Paper – Extractable Heavy Metals	PASS
b) Paper – Pentachlorophenol (PCP) Content	PASS
c) Paper – Preserving Effect	PASS
d) Paper – Migration of Fluorescent Whitening Agents	PASS
2. Council of Europe, Policy Statement Concerning Paper and Board Materials and Articles Intended to Come Into Contact With Foodstuffs, Version 4 – 12.02.2009, Technical Document No. 3	--
a) Paper – Specific Migration of benzophenone	PASS
b) Paper – Specific Migration of 4-methylbenzophenone	--

Signed for and on behalf of
SGS Hong Kong Ltd.



Che Wai Leuk, Jerry
Technical Manager

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Test Report

No.: T31920281992SC-01

Date: NOV 05, 2019

Page 3 of 6

Test Results :

1) Council of Europe Resolution AP (2002) 1

a) Paper – Extractable heavy metals

Method : Sample Preparation with reference to EN 647:1993 (hot water extraction) followed by analysis by using Inductively Coupled Argon Plasma Spectrometry (ICP).

Test Item	Result (mg/dm ²)	Reporting Limit (mg/dm ²)	Permissible Limit (mg/dm ²)
	1		
Extractable Cadmium	ND	0.001	0.002
Extractable Lead	ND	0.002	0.003
Extractable Mercury	ND	0.001	0.002
Comment	PASS	--	--

Sample Description :

- White Paper (Cup)

Note : 1. mg/dm² = milligram per square decimeter
2. ND = Not Detected

b) Paper – Pentachlorophenol content

Method : With reference to ISO 17070: 2015.

Test Item	Result (mg/kg)	Reporting Limit (mg/kg)	Permissible Limit (mg/kg)
	1		
PCP Content	ND	0.05	0.15
Comment	PASS	--	--

Sample Description :

- White Paper (Cup)

Note : 1. mg/kg = milligram per kilogram
2. ND = Not Detected

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Test Report

No.: T31920281992SC-01

Date: NOV 05, 2019

Page 4 of 6

c) Paper – Preserving effect

Method : With reference to EN 1104:2018 using Bacillus subtilis and Aspergillus niger as challenging culture.

Tested Fungus	Result	Specification
	1	
Bacillus subtilis ATCC No. 19659	Absent	Absence of zone inhibition
Aspergillus niger ATCC No. 16404	Absent	Absence of zone inhibition
Comment	PASS	

Sample Description :

1. White Paper (Cup)

Remark

- 1) Presence of an inhibition zone characterized by a translucent zone of at least 2mm width at the edge of the test piece.
- 2) Inhibition zone(s) shall be observed on at least two of the nine test pieces tested, to be able to conclude that an inhibition zone is present for the entire sample.

d) Paper – Migration of fluorescent whitening agents

Method : With reference to BS EN 648:2018 Procedure B (23°C for 4 hours)

Simulant Used	Test Condition	Result	Requirement
		1	
Deionized Water	B	Grade 5	Grade 5
Comment	--	PASS	--

Sample Description:

1. White Paper (Cup)

Note: Evaluation is based on the 5-step scale of 1 to 5, where 1 is bad and 5 is good.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Test Report

No.: T31920281992SC-01

Date: NOV 05, 2019

Page 5 of 6

2) Council of Europe, Policy Statement Concerning Paper and Board Materials and Articles Intended to Come Into Contact With Foodstuffs, Version 4 – 12.02.2009, Technical Document No. 3

a) Paper – Specific migration of benzophenone

Method : Sample preparation with reference to EN 13130-1:2004; followed by analysis using Gas Chromatography – Mass Spectrometry (GC-MS) (1st migration).

Simulant Used	Test Condition	Result (mg/dm ²)	Reporting Limit (mg/dm ²)	Permissible Limit (mg/dm ²)
		1		
20% Ethanol (V/V) Aqueous Solution	2 hours at 70°C	ND	0.04	0.1
Comment	--	PASS	--	--

Sample Description :

- White Paper (Cup)

- Note :
1. mg/dm² = milligram per square decimeter
 2. °C = degree Celsius
 3. ND = Not Detected

b) Paper – Specific migration of 4-methylbenzophenone

Method : Sample preparation with reference to EN 13130-1:2004; followed by analysis using Gas Chromatography – Mass Spectrometry (GC-MS) (1st migration).

Simulant Used	Test Condition	Result (mg/kg)	Reporting Limit (mg/kg)
		1	
20% Ethanol (V/V) Aqueous Solution	2 hours at 70°C	ND	0.2

Sample Description :

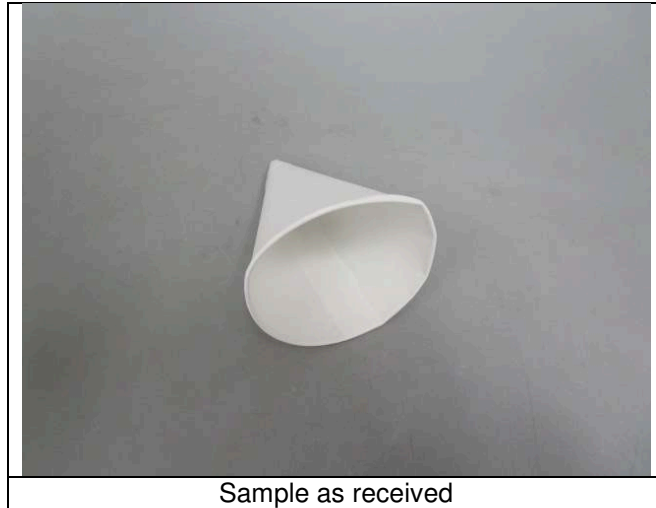
- White Paper (Cup)

- Note :
1. mg/kg = milligram per kilogram of foodstuff in contact with
 2. °C = degree Celsius
 3. ND = Not Detected

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Photo Appendix



*** End of Report ***

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.