



\*CHNSL260018331\*

**BIDDCO BIOCOSITES**

Plot no.118, Sy No 83/4  
Bannerghatta road,Doddamma Layout, rth Cross Hulimavu  
Bengaluru, Karnataka 560076  
INDIA  
**CONTACT PERSON** : Mr. Donny Subbaiah

**THE FOLLOWING SAMPLE(S) WAS/WERE SUBMITTED AND IDENTIFIED BY/ON BEHALF OF THE CUSTOMER AS :**

**SAMPLE NO** : **CHN26-0010985-0001**  
**SAMPLE DESCRIPTION** : PAPER TOOB HYDROSHIELD PAPER DRINKING STRAWS  
**COLOUR** : WHITE  
**END USE** : FOOD CONTACT - DRINKING STRAWS FOR BEVERAGES  
**COMPOSITION** : 3-PLY VIRGIN KRAFT PAPER WITH CROSSLINKING  
**COUNTRY OF ORIGIN** : INDIA  
**COUNTRY OF DESTINATION** : INDIA / EUROPE / UNITED STATES OF AMERICA  
**CUSTOMER NAME** : BIDDCO BIO-COMPOSITES (OWN PRODUCT TESTING)  
**LAB PROVIDED DETAILS:** :  
**CONDITION OF SAMPLE** : GOOD  
**THE LOCATION OF** : SGS CHENNAI  
**PERFORMANCE OF THE LABORATORY ACTIVITIES**  
**SAMPLE RECEIVING DATE** : 08-Apr-2026  
**TEST PERFORMING PERIOD** : 08-Apr-2026 TO 21-Apr-2026

Item	Test parameters	Conclusion	Remarks
1	Overall Migration	PASS	
2	Extractable Formaldehyde	PASS	
3	Extractable Heavy Metals – Lead,cadmium,Cr(VI)	PASS	
4	Extractable Heavy Metals – Mercury	SEE RESULT	
5	Total Organic Fluorine	SEE RESULT	

TEST(S) RESULT & METHOD: PLEASE REFER TO NEXT PAGE(S). RESULTS APPLY TO THE SAMPLE AS RECEIVED

ND - Not Detected; RL - Reporting Limit; Req - Requirement;

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Per pro SGS India Private Ltd

Authorized By

**P. PONSUNDARARAJ**

**SENIOR EXECUTIVE**

Authorized Signatory-Hazardous & Restricted substances

Email your Test Report Related Enquiries at [Feedback.SLT@sgs.com](mailto:Feedback.SLT@sgs.com)

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ULR-TC617626000020230F

**Overall migration**

Method: With reference to Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex III and Annex V for selection of condition and EN 1186-1:2002 for selection of test methods (1<sup>st</sup> Migration)

Simulant Used	Test Condition	Result (mg/dm <sup>2</sup> )	Reporting Limit (mg/dm <sup>2</sup> )	Permissible Limit (mg/dm <sup>2</sup> )
		1 <sup>st</sup> migration		
3% Acetic acid (V/V) Aqueous Solution	40°C for 4 hours	4.55	3.0	10.0
10% Ethanol (V/V) Aqueous Solution	40°C for 4 hours	ND	3.0	10.0
Distilled Water	40°C for 4 hours	ND	3.0	10.0
<b>Comment</b>		<b>PASS</b>	--	--

**Sample Description:**

PAPERTOOB HYDROSHIELD PAPER DRINKING STRAWS - WHITE

**Note :**

1. mg/dm<sup>2</sup> = milligram per square decimeter
2. °C = degree Celsius
3. .ND = Not Detected
4. Permissible Limit is according to Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments”.

**Remark:**

- a. Test condition & simulant were specified by client.
- b. For single use articles, the compliance is based on 1st migration result with measurement uncertainty according to (EU) 2025/351

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**Total Organic Fluorine**

Test Method: With reference to EN 14582:2016 with aqueous solution pretreatment. Analysis was performed by Ion Chromatography.

Test Item	Result(mg/kg)
	1
Fluorine content	ND
<b>Comment</b>	<b>REFER RESULTS</b>

Sample Description:

1.PAPERTOOB HYDROSHIELD PAPER DRINKING STRAWS - WHITE

Note: ND. = not detected  
 mg/kg = ppm  
 Reporting limit: 20 mg/kg

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**Extractable Formaldehyde**

Method: With reference to EN 645:1993 (cold water extraction) and EN 1541:2001.  
Analysis was performed by UV-vis Spectrophotometer.

Test Item	Result (mg/dm <sup>2</sup> )	Reporting Limit (mg/dm <sup>2</sup> )	Permissible Limit (mg/dm <sup>2</sup> )
	1		
Extractable Formaldehyde	ND	0.01	1
<b>Comment</b>	<b>PASS</b>	--	--

Sample Description:

1. PAPERTOOB HYDROSHIELD PAPER DRINKING STRAWS - WHITE

- Note:
1. mg/dm<sup>2</sup> = milligram per square decimeter
  2. ND = Not Detected
  3. Permissible Limit is according to BfR Recommendation XXXVI

**Extractable Heavy Metals**

Test Method: With reference to EN 645:1993 (cold water extraction). Analysis was performed by ICP-OES / ICP-MS

Test Item	Result (µg/L)	Reporting Limit (µg/L)	Permissible Limit (µg/L)
	1		
Extractable Lead	ND	5	10
Extractable Cadmium	ND	1	5
<b>Comment</b>	<b>PASS</b>		

Test Item	Result (mg/dm <sup>2</sup> )	Reporting Limit (mg/dm <sup>2</sup> )	Permissible Limit (mg/dm <sup>2</sup> )
	1		
Extractable Chromium (III)	ND*	0.004	0.004
Extractable Chromium (VI)	ND*	0.004	Absent
<b>Comment</b>	<b>PASS</b>	--	--

Sample Description:

1. PAPERTOOB HYDROSHIELD PAPER DRINKING STRAWS – WHITE

- Note:
1. µg/L = microgram per liter
  2. mg/dm<sup>2</sup> = milligram per square decimeter
  3. ND = Not Detected
  4. Permissible Limit is according to BfR Recommendation XXXVI and 21<sup>st</sup> Regulation amending the Customer Goods Ordinance of 2 Dec 2021.

Remark:

\* = The result of Chromium (VI) and Chromium (III) are considered as “Not Detected” since the total chromium content determined is “Not Detected”.

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**Extractable Heavy Metals**

Test Method: With reference to EN 645:1993 (cold water extraction). Analysis was performed by ICP-OES / ICP-MS

Test Item	Result (µg/L)	Reporting Limit (µg/L)
	1	
Extractable Mercury	ND	5
<b>Comment</b>	<b>REFER RESULTS</b>	--

Sample Description:

1.PAPERTOOB HYDROSHIELD PAPER DRINKING STRAWS – WHITE

Note:

1. µg/L = microgram per liter
2. ND = Not Detected.

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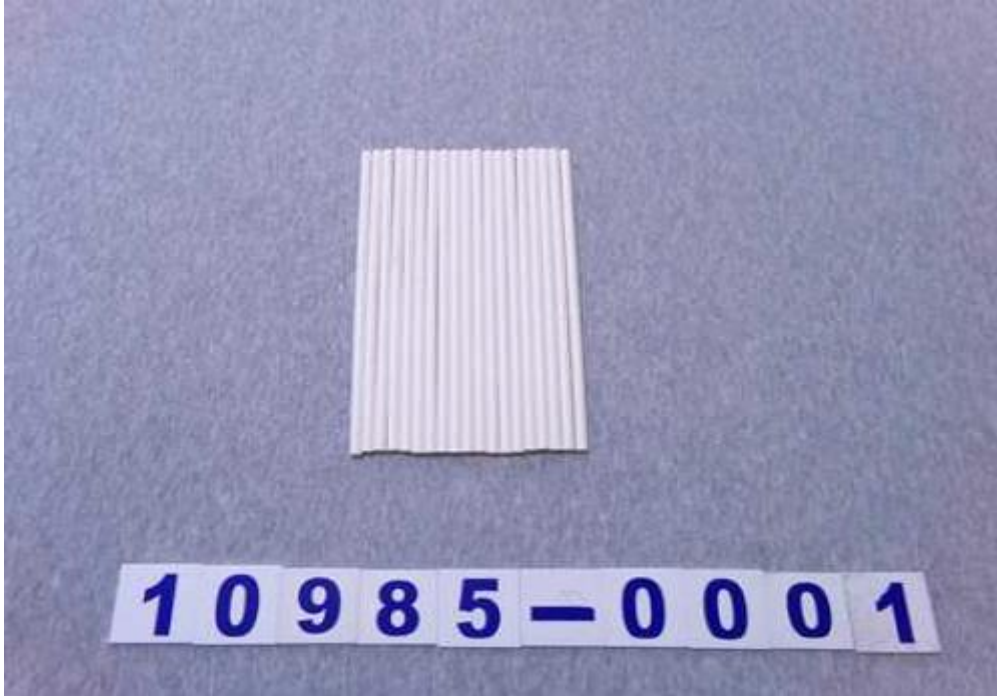
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**SAMPLE PHOTO**



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

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