

TEST REPORT

APPLICANT : SIER DISPOSABLES B.V.

ADDRESS : DA VINCILAAN 49
6716 WC, EDE
THE NETHERLANDS

TESTED SAMPLE DESCRIPTION : SENZA SUGARCANE PLATE ROUND Ø225 X H20MM 40PCS SHRINK

REFERENCE SAMPLE DESCRIPTION : PLEASE REFER TO PAGE 3.

TESTED ITEM NO. : 56016

REFERENCE ITEM NO. : PLEASE REFER TO PAGE 3.

BUYER : SIER DISPOSABLES BV

COUNTRY OF ORIGIN : CHINA

COUNTRY TO IMPORT : THE NETHERLANDS

AGE REQUESTED ON APPLICATION FORM : NOT PRESENTS

SAMPLE RECEIVED DATE : 15-Jul-2024; 28-Aug-2024

TEST PERIOD : 16-Jul-2024 to 30-Jul-2024
28-Aug-2024 to 29-Aug-2024

The following test item(s) was/were performed on submitted sample(s) and/or component(s) confirmed by applicant

TEST REQUESTED	RESULT
Selected tests for the suitability for contact with foodstuffs compliant with the following regulations: - Regulation (EC) No 1935/2004. - EDQM 2021 Part II. Technical guide on paper and board used in food contact materials and articles – a supplementary guide to Resolution CM/Res (2020) 9	PASS
Determining the amount of net chloroform soluble extractives - US FDA 21 CFR 176.170	PASS

The above sample(s) and sample information was/were submitted and identified on behalf of the applicant. Eurofins will not be liable for the authenticity of the information. This test report is valid for the tested sample only. Without permission of the test center this test report is not permitted to be duplicated in extracts.

Unless otherwise required by the applicant or method/regulation, decision rule in this report did not consider the measurement uncertainty.

***** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) *****

SIGNED FOR AND ON BEHALF OF
EUROFINS TESTING TECHNOLOGY (SHENZHEN) CO., LTD.



Coco Luo
Senior Lab Manager

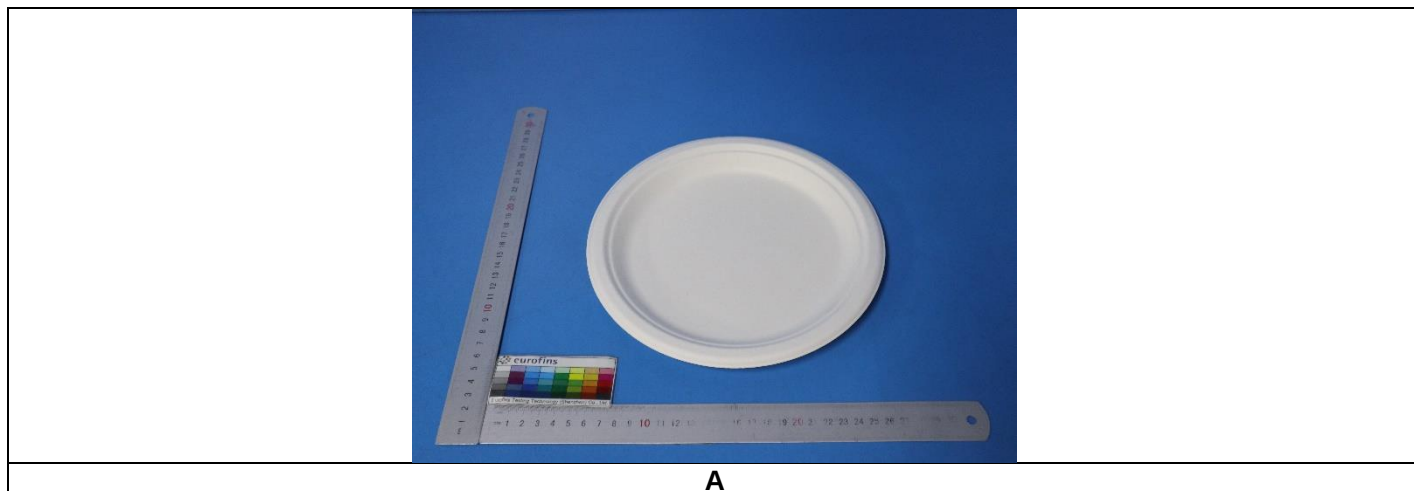


Harry Chen
Senior R&D Manager

General remark:

Sample information are provided by customer:

Reference Item no	Reference Description
56010	Senza sugarcane plate round ø155 x h15mm 40pcs shrink
56012	Senza sugarcane plate round ø175 x h16mm 40pcs shrink
56014	Senza sugarcane plate round ø203 x h20mm 40pcs shrink
56016	Senza sugarcane plate round ø225 x h20mm 40pcs shrink
56018	Senza sugarcane plate round 2 compartments ø225 x h20mm 40pcs shrink
56024	Senza sugarcane plate round 2 compartments ø225 x h20mm 40pcs shrink
56026	Senza sugarcane plate round 3 compartments ø258 x h20mm 40pcs shrink
56030	Senza sugarcane plate oval 317 x 254 x h25mm 40pcs shrink
56034	Senza sugarcane plate oval 317 x 254 x h25mm 40pcs shrink
56040	Senza sugarcane plate square 160 x 160 x h16mm 40pcs shrink
56044	Senza sugarcane plate square 200 x 200 x h16mm 40pcs shrink
56048	Senza sugarcane plate square 260 x 260 x h20mm 40pcs shrink
56064	Senza sugarcane mini dish square 65 x 65 x h10mm 40pcs shrink
56066	Senza sugarcane mini dish oval slanted 80 x 50 x h12/27mm 40pcs shrink
56068	Senza sugarcane mini dish "leaf" 96 x 60 x h12mm 40pcs shrink
56070	Senza sugarcane mini pan low 92 x ø56 x h15mm 40pcs shrink
56072	Senza sugarcane mini pan high 92 x ø56 x h30mm 40pcs shrink
56076	Senza sugarcane appetizer spoon tear drop 102 x 51 x h28mm 40pcs shrink
56078	Senza sugarcane appetizer spoon arch ø123 x 42 x h27mm 40pcs shrink
56090	Senza sugarcane sauce cup 1oz / 3cl ø62 x h16mm 80pcs shrink
56092	Senza sugarcane sauce cup 2oz / 6cl ø62 x h32mm 80pcs shrink
56095	Senza sugarcane lid ø65 x h6mm 80pcs shrink
56098	Senza sugarcane sauce cup 4oz / 12cl ø75 x h45mm 80pcs shrink
56101	Senza sugarcane lid ø77 x h7mm 80pcs shrink
56120	Senza sugarcane bowl round straight low 50cl ø135 x h58mm 40pcs shrink
56124	Senza sugarcane bowl round straight high 70cl ø135 x h75mm 40pcs shrink
56127	Senza sugarcane lid ø142 x h12mm 40pcs shrink
56140	Senza sugarcane bowl round straight low 85cl ø160 x h67mm 40pcs shrink
56144	Senza sugarcane bowl round straight high 100cl ø160 ø82 x h82mm 40pcs shrink
56147	Senza sugarcane lid ø167 x h12mm 40pcs shrink
56160	Senza sugarcane bowl round curved low 75cl ø175 x h61mm 40pcs shrink
56164	Senza sugarcane bowl round straight high 100cl ø175 x h75mm 40pcs shrink
56167	Senza sugarcane lid ø183 x h12mm 40pcs shrink
56180	Senza sugarcane burger box B11 155 x 155 x h80mm 40pcs shrink
56188	Senza sugarcane burger box B9 155 x 155 x h76mm 40pcs shrink
56192	Senza sugarcane food container rectangular 1-comp. 230 x 153 x h80mm 40pcs shrink
56196	Senza sugarcane food container rectangular 2-comp. 230 x 153 x h80mm 40pcs shrink
56200	Senza sugarcane food container square 1-comp. 203 x 203 x h80mm 40pcs shrink
56204	Senza sugarcane food container square 1-comp. 230 x 230 x h80mm 40pcs shrink
56208	Senza sugarcane food container square 3-comp. 230 x 230 x h80mm 40pcs shrink

TESTED SAMPLE PHOTO(S)**EFSN24071020-C-0101R1**

TO BE CONTINUED

COMPONENT LIST

A Senza sugarcane plate round ø225 x h20mm 40pcs shrink

Component No.	Component	Material	Color	Sample No.
1	Plate	Bagasse	White	A

TO BE CONTINUED

TEST RESULT

Sensorial Examination

Test method : EN 1230-1:2009, EN 1230-2:2009

Limit : 2.5 - according to EDQM 2021 Part II. Technical guide on paper and board used in food contact materials and articles - a supplementary guide to Resolution CM/Res (2020) 9.

Evaluation scheme for the transfer of smell:

0 = no perceptible odour or no perceptible off-flavour

1 = odour just perceptible or off-flavour just perceptible

2 = weak odour or moderately off-flavour

3 = clear odour or moderately strong off-flavour

4 = strong odour or strong off-flavour

Test Sample	1
Parameter	Test result
Odour	0
Off-flavour in chocolate	0
Off-flavour in biscuits	0
Off-flavour in water	0

TO BE CONTINUED

TEST RESULT

Specific Migration of Phthalates

Test method : Sample preparation refers to EN 15519: 2007, determination by GC-MS.

Limit according to EDQM 2021 Part II. Technical guide on paper and board used in food contact materials and articles - a supplementary guide to Resolution CM/Res (2020) 9.

Test condition :

Food simulant	Test duration/temperature
95% Ethanol	2 hours / 60°C

Test Material No.			1	Detection limit	Limit
Parameter	CAS No.	Unit	Test result		
Di-isobutyl phthalate (DIBP)	84-69-5	mg/kg	N.D.	0.1	-
Dibutyl phthalate (DBP)	84-74-2	mg/kg	N.D.	0.1	-
Sum of DIBP + DBP	-	mg/kg	N.D.	-	0.3
Diethylhexylphthalate (DEHP)	117-81-7	mg/kg	N.D.	0.3	1.5

Note: - 1 mg/kg = 1 ppm = 0.0001%

- °C = degree Celsius

- N.D. = Not Detected

TO BE CONTINUED

TEST RESULT

Extractable Lead (Pb) Content

Test method : Sample preparation refers to EN13130-1:2004, determination by ICP-MS.

Limit refer to EDQM 2021 Part II. Technical guide on paper and board used in food contact materials and articles - a supplementary guide to Resolution CM/Res (2020) 9.

Test condition :

Food simulant	Test duration/temperature
3% Acetic acid	2 hours / 100°C

Test Material No.		1	Detection limit	Limit
Parameter	Unit	Test result		
Lead (Pb)	mg/kg	N.D.	0.010	N.D.

Note: - 1 mg/kg = 1 ppm = 0.0001%

- N.D. = Not Detected

Specific Migration of 4,4'-Bis(dimethylamino) Benzophenone (Michler's ketone)

Test method : EN 15519: 2007

Limit according to EDQM 2021 Part II. Technical guide on paper and board used in food contact materials and articles - a supplementary guide to Resolution CM/Res (2020) 9

Test condition :

Food simulant	Test duration/temperature
95% Ethanol	2 hours / 60°C

Testing Material No.		1	Detection limit	Limit
Parameter	Unit	Test result		
4,4'-Bis(dimethylamino) Benzophenone (Michler's ketone)	mg/kg	N.D.	0.010	N.D.

Note: - 1 mg/kg = 1 ppm = 0.0001%

- °C = degree Celsius

- N.D. = Not Detected

TO BE CONTINUED

TEST RESULT

Specific Migration of Bisphenol A

Test method : EN 15519: 2007 & CEN/TS 13130-13:2005

Limit according to EDQM 2021 Part II. Technical guide on paper and board used in food contact materials and articles - a supplementary guide to Resolution CM/Res (2020) 9

Test condition :

Food simulant	Test duration/temperature
95% Ethanol	2 hours / 60°C

Testing Material No.		1	Detection limit	Limit
Parameter	Unit	Test result		
Bisphenol A	mg/kg	N.D.	0.02	0.05

Note: - 1 mg/kg = 1 ppm = 0.0001%

- °C = degree Celsius

- N.D. = Not Detected

TO BE CONTINUED

TEST RESULT

Specific Migration of Polycyclic Aromatic Hydrocarbons (PAHs)

Test method : EN 15519: 2007

Detection limit : 0.001 mg/kg per PAH component

Limit according to EDQM 2021 Part II. Technical guide on paper and board used in food contact materials and articles - a supplementary guide to Resolution CM/Res (2020) 9.

Test condition :

Food simulant	Test duration/temperature
95% Ethanol	2 hours / 60°C

Test No.			PAHs-1	Limit
Material No.			1	
Parameter	CAS No.	Unit	Test result	
Benzo(3,4)pyrene	50-32-8	mg/kg	N.D.	-
Benzo(a)anthracene	56-55-3	mg/kg	N.D.	-
Benzo(b)fluoranthene	205-99-2	mg/kg	N.D.	-
Chrysene	218-01-9	mg/kg	N.D.	-
Sum of all	-	mg/kg	N.D.	N.D

Note: - 1 mg/kg = 1 ppm = 0.0001%

- °C = degree Celsius

- N.D. = Not Detected

TO BE CONTINUED

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TEST RESULT

Specific migration of benzophenone, 2-methylbenzophenone, 3-methyl benzophenone and 4-methyl benzophenone

Test method : EN 15519: 2007

Limit according to EDQM 2021 Part II. Technical guide on paper and board used in food contact materials and articles - a supplementary guide to Resolution CM/Res (2020) 9.

Test condition :

Food simulant	Test duration/temperature
95% Ethanol	2 hours / 60°C

Testing Material No.			1	Detection limit	Limit
Parameter	CAS No	Unit	Test result		
Benzophenone	116-61-9	mg/kg	N.D.	0.6	-
2-methylbenzophenone	131-58-8	mg/kg	N.D.	0.6	-
3-methylbenzophenone	643-65-2	mg/kg	N.D.	0.6	-
4-methylbenzophenone	134-84-9	mg/kg	N.D.	0.6	-
Sum of all	-	mg/kg	N.D.	-	0.6

Note: - 1 mg/kg = 1 ppm = 0.0001%

- °C = degree Celsius

- N.D. = Not Detected

TO BE CONTINUED

TEST RESULT

Determination of the transfer of antimicrobial constituents^(#)

Test Item	Test organisms	Concentration of inoculum	Test Result	Requirement	Conclusion
White paper	Bacillus subtilis (ATCC 6633)	2.0×10^4 spores/mL	Absence of inhibition zone	Absence of inhibition zone	PASS
	Aspergillus niger (ATCC 6275)	5.1×10^5 spores/mL	Absence of inhibition zone		PASS

Method: With reference to BS EN 1104:2018 Paper and board intended to come into contact with foodstuffs – Determination of the transfer of antimicrobial constituents

Note:

- 1) Sample size: circular /15 mm in diameter.
- 2) The diameter of inhibition zone was 0mm in the negative control group.
- 3) The requirement limit with reference to EDQM 2021 Part II. Technical guide on paper and board used in food contact materials and articles – a supplementary guide to Resolution CM/Res (2020) 9.

Remark:

^(#). The test was performed by lab: C066.

TO BE CONTINUED

TEST RESULT

Determining the amount of net chloroform soluble extractives - US FDA 21 CFR 176.170

Test method and limit with reference to US FDA 21 CFR 176.170.

Test Sample		1	Detection Limit (mg/inch ²)	Limit (mg/inch ²)
Extractant	Test condition	Test result (mg/inch ²)		
Distilled water	Fill boiling, cool to 100 °F	N.D.	0.1	0.5
n-Heptane	15 minutes / 120°F	N.D.	0.1	0.5

Note: - mg/inch² = milligram per square inch

- °F = degrees Fahrenheit

- N.D. = Not Detected

Other Information / Remark:

(1) Food contact area to food simulant (S/V in dm²/ L): Material No. 1(10.8:1).

(2) Replacement of report No: EFSN24071020-C-0101. Upon receipt of this report, the previous report No: EFSN24071020-C-0101 will be invalid immediately.

(3) Revision history: Revise test temperature.

END OF THE REPORT