

SINO-RUSSIAN NEW CENTURY IMPORT & EXPORT CO., LTD
CHINA, 100020, BEIJING, CHAOYANG DISTRICT, A6, CHAOYANGMEN WAI AVENUE,
VANTONE CENTRE, TOWER C, UNIT1806

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : STRAW PULP BIODEGRADABLE TABLEWARE
Style / Item No. : NCIE-POO-006
Client Reference Information : Style / Item No.: NCIE-POO-001,NCIE-POO-002,NCIE-POO-003,
NCIE-POO-004,NCIE-POO-005,NCIE-BLO-001,NCIE-BOO-001,
NCIE-TOO-001,NCIE-TOO-002,NCIE-TOO-004,NCIE-TOO-005,
NCIE-TOO-006,NCIE-LB1000,NCIE-LB6,NCIE-LB8,NCIE-LB8-3,
NCIE-TOO-003
Country of Destination : RUSSIA
Test Performed : Selected test(s) as requested by applicant
Sample Receiving Date : Apr 02, 2013
Test Performing Date : Apr 02, 2013 to Apr 15, 2013
Test Result(s) : For further details, please refer to the following page(s)

Signed for and on behalf of
SGS-CSTC Ltd.



Andrew Tu
Approved Signatory

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I. Microwave Oven Test

- Test Method : As per the client's requirement
- Test Sample : 3 Pieces
- Control Sample : 1 Piece
- Type of sample () mugs, cups, bowls, pitchers, and teapots; () dessert plates and saucers
() dinner plates and serving platters; (X) Other
- Test Procedure :
1. Visually inspect samples and record any cosmetic defects.
 2. **For mugs, cups, bowls, pitchers, and teapots:** Fill samples two-thirds (2/3) full with cold water and place on the turntable in the microwave oven. Shut the microwave oven door.
 3. **For dessert plates and saucers:** Place one-half (1/2) cup of cold cooked macaroni mixed with one tablespoon cooking oil on the dessert plate or saucer and place on the turntable in the microwave oven. Shut the microwave oven door.
 4. **For dinner plates and serving platters:** Place one (1) cup of cold cooked macaroni mixed with one tablespoon cooking oil on the dinner plate or serving platter and place on the turntable in the microwave oven. Shut the microwave oven door.
 5. Set the microwave to 800 watt output and run for 5 minutes.
 6. Record any cracking, chipping, crazing, breakage, discoloration, deformation, or warping of product.
 7. After 5 minutes remove product from microwave and immediately measure and record surface temperature with IR thermometer or thermocouple.
 - A. Measure temperature of mugs on top portion of handle.
 - B. Measure plate or bowl temperatures near top rim of plate or bowl (at a normal hand contact point).
 - C. All samples must have the surface temperatures measured and recorded within 1 minute after the oven has stopped heating. Only one sample should be removed from the oven at a time.
 - D. Only measure the surface temperature of the items after the first 5-minute cycle.
 8. Let samples sit at room temperature for 5 minutes.

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9. If necessary, add cold water to cups, mugs, bowls and pitchers to ensure that they are two-thirds (2/3) full of water.
10. Replace hot macaroni on plates, saucers, and serving platters with cold macaroni.
11. Remove each sample from the microwave oven and visually examine at the end of each cycle for total of five (5) cycles.
12. Compare test samples to the untested standard. Record any cracking, chipping, crazing, breakage, discoloration, deformation, or warping of product after five (5) complete microwave cycles.

Test Requirement

- : The product fails the microwave test if:
1. If the surface temperature of the samples is greater than 140 °F (60 °C) after the first 5 minutes (1st cycle).
 2. When compared to the standard, any of the tested samples show signs of cracking, chipping, crazing, breakage, discoloration, deformation, or warping during or after 5 complete microwave cycles.

Test Result

- : **Pass**
1. The maximum surface temperature of the sample which after the first 5 minutes (1st cycle): 91 °F (32.8 °C)
 2. No visible change.

II. Wood moisture content

Test Method

: As per the client's requirement

Number of Test Sample

: 3PCS

Controlled Sample

: 1PC

Test Procedure

- : 1) Visually inspect the samples and record any cosmetic defects ;
 2) Put the samples in the oven at 200 ° C;
 3) Assume that the endpoint has been reached when no appreciable change is noted I final mass;
 4) Remove the samples and calculate the moisture content at %

Test Requirement

: Record the moisture

Test Result

Test sample	1st mass	2nd mass	3th mass	Moisture
1	23.1g	21.1g	21.1g	8.6%
2	23.3g	21.3g	21.3g	8.6%
3	23.7g	21.8g	21.8g	8.0%
Average				8.4%

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Sample photo:

Sample as received



III. SGS Ref No.: CAN13-044660

Test Requested	Result
To determine the Zinc (Zn), Arsenic (As), Chromium (Cr) content in the submitted sample(s).	See Details

Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
1	CAN13-044660.001	Grey paper dish

Remarks :

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

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Element(s)

Test Method : With reference to US EPA Method 3052:1996, analysis was performed by ICP-OES.

Test Item(s)	Unit	MDL	001
Zinc (Zn)	mg/kg	5	ND
Arsenic (As)	mg/kg	10	ND
Chromium (Cr)	mg/kg	2	ND

Sample photo:



Product Photo



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IV. SGS Ref No.: SDHG1304000124PK

This test was conducted at First Floor, Building 1 of European Industrial Park, No. 1 Shunhenan Road, Wusha Section, Daliang Town, Shunde of Foshan, Guangdong Province, China.

Test Performed : ISO 2758: 2001
ISO 1974: 2012

Test Conducted:

1. Paper-Determination of Bursting Strength (ISO 2758: 2001)

General Information:

Number of Tested Specimen : 20 pcs
 Style of Specimen : Paper
 Dimensions of Specimen : 64 mm × 64 mm
 Atmospheric Conditioning : Temperature: 23 ± 1°C; Humidity: 50 ± 2%RH
 Test Equipment : Paper Bursting Tester; Model: ZB-NPY1600; No.: SD-HG-E302

Test Result: The average bursting strength is: 633 kPa

Specimen No.	From Outside to Inside (kPa)	Specimen No.	From Inside to Outside (kPa)
#1	691	#11	576
#2	674	#12	463
#3	599	#13	597
#4	586	#14	493
#5	750	#15	690
#6	467	#16	419
#7	721	#17	817
#8	665	#18	668
#9	720	#19	795
#10	660	#20	615
Average	653	Average	613

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2. Paper-Determination of Tearing Resistance (Elmendorf Method) (ISO 1974: 2012)

General Information:

Number of Tested Specimen : 10 Pcs
 Style of Specimen : Paper
 Dimensions of Specimen : 63 mm x 76 mm
 Tearing Length : 43 mm
 The Number of Sheets Torn Simultaneously : 2
 Test Direction : Machine Direction & Cross Direction
 Atmospheric Conditioning : Temperature: 23±1≡C; Humidity: 50±2%RH
 Test Equipment : Paper Tearing Tester Model: ZB-SL1000 NO. : SD-HG-E303

Test Result:

Specimen No.	Tearing Resistance (mN)
#1	2816
#2	2560
#3	2784
#4	2416
#5	2704
#6	2768
#7	2480
#8	2832
#9	2576
#10	2896
Average	2683

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Sample photo:



- Remark: 1. The applicant states products entitled as following style/item no. NCIE-POO-001,NCIE-POO-002,NCIE-b POO-003, NCIE-POO-004,NCIE-POO-005,NCIE-POO-006,NCIE-BLO-001,NCIE-BOO-001,NCIE-TOO-001,NCIE-TOO-002,NCIE-TOO-004,NCIE-TOO-005,NCIE-TOO-006,NCIE-LB1000,NCIE-LB6,NCIE-LB8,NCIE-LB8-3,NCIE-TOO-003 are identical, but only item no. NCIE-POO-006is tested in SGS.
2. According to original applicant's requirements to add the product photo.
3. This test report is to supersede test report number GZHG1304009001CW.

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Product photo:



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End of Report

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