

No.: GZHG1304009001CW-01

Date: Apr 24, 2013

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.

Hune

Andrew Tu Approved Signatory

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SGS

Test Report

I. Microwave Oven Test

- Test Method
- **Test Sample**
- **Control Sample**

Type of sample

Test Procedure

No.: GZHG1304009001CW-01

Date: Apr 24, 2013

- : As per the client's requirement
- 3 Pieces
- 1 Piece

() mugs, cups, bowls, pitchers, and teapots; () dessert plates and saucers) dinner plates and serving platters; (X) Other

1. Visually inspect samples and record any cosmetic defects. 1

- 2. For mugs, cups, bowls, pitchers, and teapots: Fill samples twothirds (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.
 - Α. Measure temperature of mugs on top portion of handle.
 - Β. 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.
- Let samples sit at room temperature for 5 minutes. 8.

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Test Report		No.: GZHG13040	09001CW-0	1 Date	e: Apr 24, 20	13 Page	3 of 12
		9. If necessary, ensure that th	, add cold v ney are two-t	water to cup hirds (2/3) ful	s, mugs, bo Il of water.	wls and pitche	ers to
		10. Replace hot i macaroni.	macaroni on	plates, sauce	ers, and serv	ing platters with	1 COID
		11. Remove eac	h sample for	rm the microv	wave oven a	and visually exa	amine
		12. Compare tes	t samples to	the untested	standard. R	ecord any cracl	king,
		chipping, craz	zing, breakag five (5) comr	je, discolorati blete microwa	on, deformative cycles	lion, or warping	of
Test Requirement	:	The product fails	the microwa	ve test if:			
		1. If the surface after the first	e temperature 5 minutes (1	e of the samp st cycle).	bles is greate	er than 140°F (6	60°C)
		2. When compa	red to the sta	andard, any o	f the tested	samples show s	signs
		of cracking, cl warping during	hipping, craz a or after 5 c	ing, breakage omplete micr	e, discoloration owave cvcle	on, deformation s	i, Or
Test Result	:	Pass	g of allor o o		onaro oyolo	0.	
		1. The maximur minutes (1 st c	m surface ter cycle): 91 ℉ (nperature of 32.8℃)	the sample v	vhich after the fi	irst 5
		2. No visible cha	ange.				
II. Wood moisture content Test Method	:	As per the client's	s requiremer	ıt			
Controlled Sample	:	1PC	aat tha aamu			atia dafaata .	
Test Procedure	•	 Visually insp Put the sample 	oles in the ov	ren at 200° C	;	File defects ,	
		3) Assume that	the endpoin	t has been re	ached when	no appreciable)
		change is no	ted I final ma	ass;			
		4) Remove the	samples and	d calculate the	e moisture co	ontent at %	
Test Requirement	:	Record the moist	ure				
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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No.: GZHG1304009001CW-01

Date: Apr 24, 2013

Page 4 of 12

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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Test Report No.:

No.: GZHG1304009001CW-01

Element(s)

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

<u>Test Item(s)</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
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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No.: GZHG1304009001CW-01

Date: Apr 24, 2013

Page 6 of 12

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: $23 \pm 1 = C$; Humidity: $50 \pm 2\%$ 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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No.: GZHG1304009001CW-01

Date: Apr 24, 2013

Page 7 of 12

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: $23 \pm 1 = C$; Humidity: $50 \pm 2\%$ 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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No.: GZHG1304009001CW-01

Date: Apr 24, 2013

Page 8 of 12

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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No.: GZHG1304009001CW-01

Date: Apr 24, 2013

Page 9 of 12

Product photo:





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No.: GZHG1304009001CW-01

Date: Apr 24, 2013

Page 10 of 12





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No.: GZHG1304009001CW-01

Date: Apr 24, 2013

Page 11 of 12





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No.: GZHG1304009001CW-01

Date: Apr 24, 2013

Page 12 of 12





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