



**CENTRE OF TESTING SERVICE  
INTERNATIONAL**

**OPERATE ACCORDING TO ISO/IEC 17025**

# **TEST REPORT**

**Test Report Number : CGZ3160415-00208-T**

**CTS (Ningbo) Testing Service Technology Co., Ltd.**  
F1.2 South, HuoJu Building, No.181 CangHai Rd., Jiangdong Hi-tech Park  
Ningbo, China.

**TEST REPORT**

REPORT No. : CGZ3160415-00208-T  
DATE : 04 May 2016  
PAGE : 1 of 9

**Table of contents**

<b>1</b>	<b>General Information</b>	<b>2</b>
1.1	Application Details	2
1.2	Details of wanted approval holder	2
1.3	Manufacturer & Buyer	2
1.4	Description of the Test Item	2
<b>2</b>	<b>Test Results</b>	<b>3</b>
2.1	General Information	3
2.1.1	Sample Receiving Date	3
2.1.2	Testing Period	3
2.1.3	Test Requested	3
2.1.4	Test Method	3
2.2	Test result	4
<b>3</b>	<b>Attachment</b>	<b>9</b>

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**TEST REPORT**

REPORT No. : CGZ3160415-00208-T  
DATE : 04 May 2016  
PAGE : 2 of 9

**1 General Information****1.1 Application Details**

Name : Ansell Healthcare Products  
Address : 2810 Commerce Square East, Birmingham, AL 35210  
Contact : Benjamin Zhou  
Telephone : +1-205-423-8770  
Fax : /  
Mobile telephone : 18217144537  
Email : benjamin.zhou@ansell.com

**1.2 Details of wanted approval holder**

Name : Ansell Healthcare Products  
Address : 2810 Commerce Square East, Birmingham, AL 35210  
Contact : Benjamin Zhou  
Telephone : +1-205-423-8770  
Fax : /  
Mobile telephone : 18217144537  
Email : benjamin.zhou@ansell.com

**1.3 Manufacturer & Buyer**

Manufacturer name : Dongguan Hengsheng Polybag Co., Ltd.  
Buyer name : /

**1.4 Description of the Test Item**

Sample name : Medical Waste Bag  
Item No. : BRC-LG  
Composition : /  
Color : /  
Brand name : /  
Condition of sample(s) : EFFECTIVE



## TEST REPORT

REPORT No. : CGZ3160415-00208-T  
DATE : 04 May 2016  
PAGE : 3 of 9

## 2 Test Results

### 2.1 General Information

#### 2.1.1 Sample Receiving Date

15 Apr. 2016

#### 2.1.2 Testing Period

15 Apr. 2016 - 26 Apr. 2016

#### 2.1.3 Test Requested

Selected test(s) as detailed herein.

#### 2.1.4 Test Method

Please refer to the following page(s)

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**TEST REPORT**

REPORT No. : CGZ3160415-00208-T  
DATE : 04 May 2016  
PAGE : 4 of 9

**2.2 Test result****2.2.1 Standard Test Methods for Propagation Tear Resistance of Plastic Film and Thin Sheeting by Pendulum Method<sup>1</sup>**

As Specified in ASTM D1922-15

**Results:**

Sample(s)	Direction	Tearing force (gf)	Remark
Medical Waste Bag	Transverse	572.94	See testing chart 1
	Vertical	1131.81	See testing chart 2

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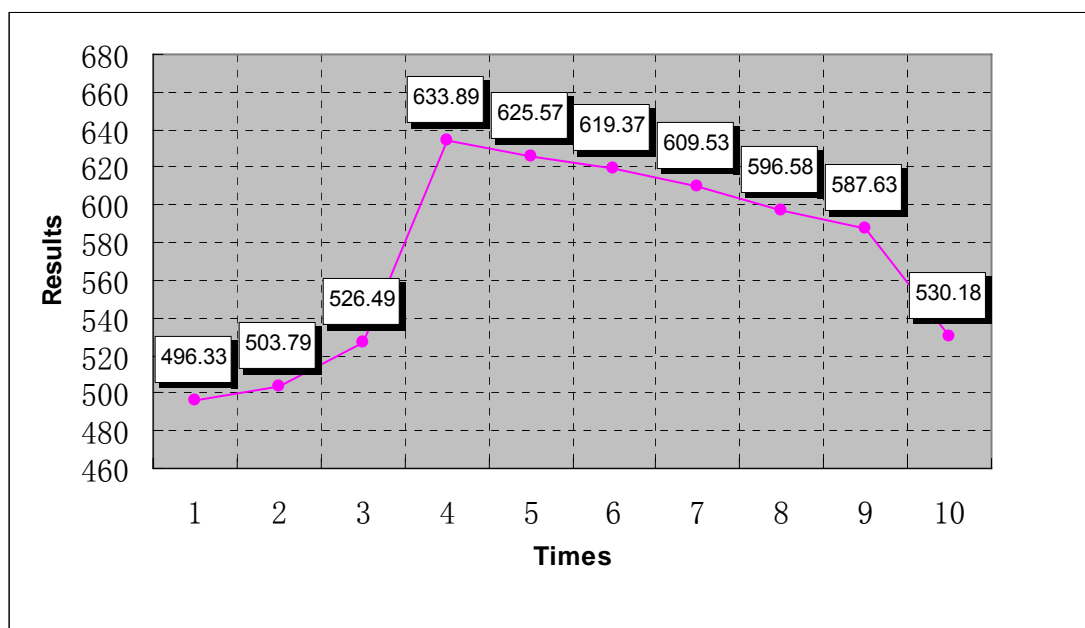
REPORT No. : CGZ3160415-00208-T  
 DATE : 04 May 2016  
 PAGE : 5 of 9

**Testing chart 1:**  
**Test Item: Tearing force**  
**Direction: Transverse**

Statistics	Maximum	Minimum	Average	Standard deviation
gf	633.89	496.33	572.94	53.12
N	6.21	4.86	5.61	0.52
mN	6212.12	4864.03	5614.77	520.58
Ibf	1.39	1.09	1.26	0.12

**Unit:**

☒ gf
 ☐ ON
 ☐ mN
 ☐ Ibf



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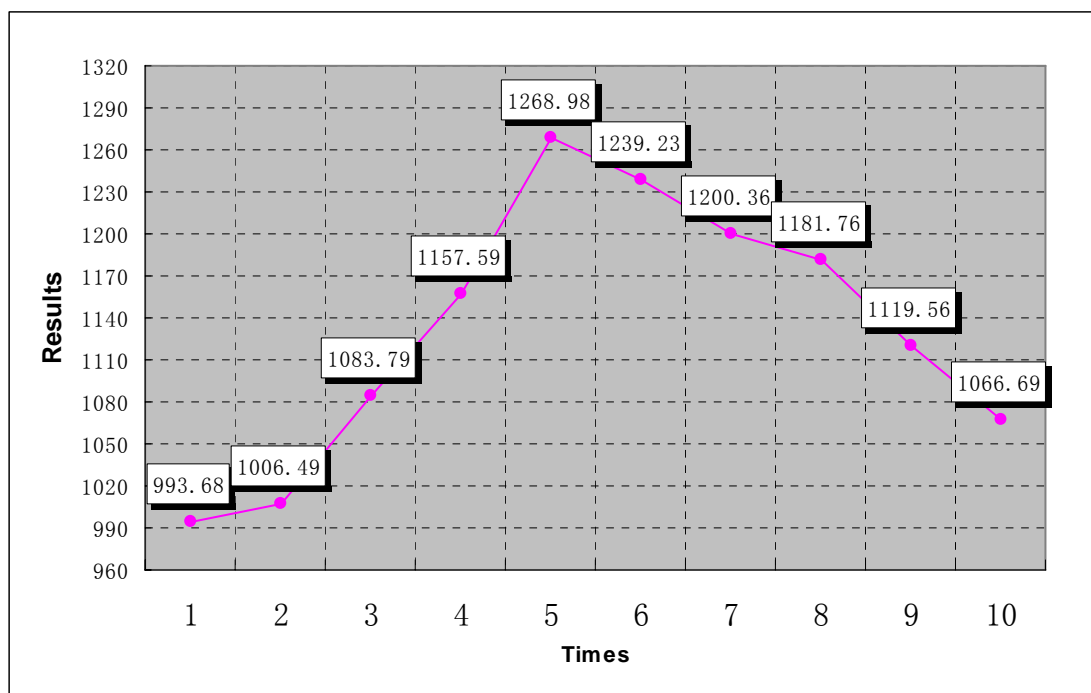
REPORT No. : CGZ3160415-00208-T  
 DATE : 04 May 2016  
 PAGE : 6 of 9

Testing chart 2:  
 Test Item: Tearing force  
 Direction: Vertical

Statistics	Maximum	Minimum	Average	Standard deviation
gf	1268.98	993.68	1131.81	94.10
N	12.44	9.74	11.09	0.92
mN	12436.01	9738.06	11091.77	922.18
Ibf	2.79	2.19	2.49	0.21

Unit:

☒ gf    ☐ N    ☐ mN    ☐ Ibf



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# TEST REPORT

REPORT No. : CGZ3160415-00208-T  
DATE : 04 May 2016  
PAGE : 7 of 9

### 2.2.2 Standard Test Methods for Impact Resistance of Plastic Film by the Free-Falling Dart Method<sup>1</sup> As Specified in ASTM D1709-15

Test method: Method A (26 in., 1.5 in.)  
Test Conditions: 23°C, 50%

### Results:

Sample(s)	Impact weight (gf)	Remark
Medical Waste Bag	186.00	See testing chart 3

### Testing chart 3:

Missile weight, g	Specimen groups																				$n_i$	$i$	$in_i$
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20			
195								X								X					2	3	6
190							O		X		X		X		O		X				4	2	8
185	X			X		O				O		O		O				O		X	3	1	3
180			O		X	O													O		1	0	0
175																							
																					N=10		A=17
																					$W_O=180$		$\Delta W=5$
																					$W_F=186$		

Abbreviation : O = non-failure ; X = failure  
 $W_F$ =impact failure weight, g;  
 $\Delta W$ =uniform weight increment used, g;  
 $W_L$ =lowest missile weight, g;  
 $n_i$ =failure number;  
 $i$ = uniform weight increment used number;  
 $N$ =total failure number  
 $A = \sum n_i$  ;  $in_i = n_i \cdot i$  ;  $W_F = W_0 + \{\Delta W(A/N - 1/2)\}$

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REPORT No. : CGZ3160415-00208-T  
DATE : 04 May 2016  
PAGE : 8 of 9

Written by: *Kate*

Inspected by: *Tomy*

Approved by: *Simon*

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



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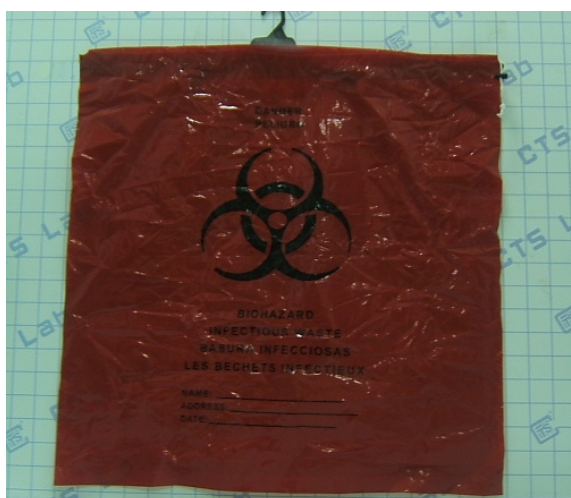
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## TEST REPORT

REPORT No. : CGZ3160415-00208-T  
DATE : 04 May 2016  
PAGE : 9 of 9

### 3 Attachment

- ☒ Sample Reference Photo  
☐ Other if necessary



External view

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