



**CENTRE OF TESTING SERVICE
INTERNATIONAL**

OPERATE ACCORDING TO ISO/IEC 17025

TEST REPORT

Test Report Number : CGZ3130703-02038-C

CTS (Ningbo) Testing Service Technology Co., Ltd.

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1 General Information**1.1 Application Details**

Name : SAFE WAY INDUSTRY (WUHAN) CO., LTD.
Address : SUITE1106,OCEAN BUILDING HONGKONG ROAD,WUHAN
CHINA 430019
Contact : CAI ZHIMIN
Telephone : +86-27-82440933
Fax : +86-27-82440966
Mobile telephone : /
Email : caizm@safe-way.net

1.2 Manufacturer & Buyer

Manufacturer name : SAFE WAY INDUSTRY (WUHAN) CO., LTD.
Address : SUITE1106,OCEAN BUILDING HONGKONG ROAD,WUHAN
CHINA 430019
Contact : CAI ZHIMIN
Telephone : +86-27-82440933
Fax : +86-27-82440966
Mobile telephone : /
Email : caizm@safe-way.net
Buyer name : /

1.3 Description of the Test Item

Sample name : Non-woven items , PE items
Model No. : /
Brand name : /
Condition of sample(s) : EFFECTIVE

2 Test Results**2.1 General Information****2.1.1 Sample Receiving Date**

Jul. 3, 2013

2.1.2 Testing Period

Jul. 3, 2013 to Jul. 8, 2013

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2.1.3 Test Requested

In accordance with German Food, Articles of Daily Use and Feed Code of September 1, 2005(LFGB), Section 30 & 31, Commission regulation (EU) No 10/2011 of 14 January 2011 and BfR recommendation.

- 1) For material : Plastic – Overall migration test
- 2) For material : Plastic – Specific migration of heavy metal
- 3) Sensorial examination odour and taste test.
- 4) For material : PP、PE – Catalyst residue , a) Chromium, b) Vanadium and Zirconium content.

2.1.4 Test Method

- 1) With reference to EN 1186-1 for selection of temperature and condition; total immersion with reference to EN 1186-3 for aqueous food simulants and EN 1186-2 for olive oil.
- 2) With reference to Commission Regulation (EU) No.10/2011 of 14 January 2011 Annex III and Annex V for selection of simulant and conditions, EN13130-1:2004 for selection of test method, Samples were prepared at specific condition, followed by analysis using Inductively Coupled Argon Plasma Spectrometry.
- 3) Robinson's test with reference to DIN 10955: 1983(2004)
Test condition : Room temperature. 24 hours
Test media : Distilled water
No. of panelist : Five
- 4) a) Sample Preparation in distilled water at 100°C for 2 hours, with reference to EN1186-1:2002, followed by analysis using Inductively Coupled Argon Plasma Spectrometry.
b) Acid digestion, followed by analysis using Inductively Coupled Argon Plasma Spectrometry.

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2.2 Results

When tested as specified, the test results of submitted sample(s) are within the limit as stated in the German Food, Articles of Daily Use and Feed Code of September 1, 2005(LFGB), Section 30 & 31, Commission regulation (EU) No 10/2011 of 14 January 2011 and BfR recommendation.

1) Overall Migration Test

Simulant used	Temperature and condition	Limit (mg/dm ²)	Result (mg/dm ²)	
			No.1	No.2
10% Ethanol	70 deg. C, 2 hours	10	<3	<3
3% Acetic acid	70 deg. C, 2 hours	10	<3	<3
20% Ethanol	70 deg. C, 2 hours	10	<3	<3
50% Ethanol	70 deg. C, 2 hours	10	<3	<3
Rectified olive oil	70 deg. C, 2 hours	10	<3	<3

Note : 1. mg/dm² = milligram per square decimeter
 2. <= less than

2) Specific migration of heavy metal

Test Item	Limit (mg/kg)	MDL (mg/kg)	Result (mg/kg)	
			No.1	No.2
Extractable Barium	1.0	0.5	N.D.	N.D.
Extractable Cobalt	0.05	0.02	N.D.	N.D.
Extractable Copper	5.0	1.0	N.D.	N.D.
Extractable Iron	48.0	2.0	N.D.	N.D.
Extractable Lithium	0.6	0.2	N.D.	N.D.
Extractable Manganese	0.6	0.2	N.D.	N.D.
Extractable Zinc	25.0	2.0	N.D.	N.D.

Note : 1. mg/kg = milligram per kilogram
 2. N.D. = not detected (less than MDL)

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3) Sensory test

Test Item	Maximum Permissible Limit	Result	
		No.1	No.2
Sensorial examination odour (Point scale)	2.5	0	0
Sensorial examination taste (Point scale)	2.5	1	1

Remark :

Odour/ Taste	Grade
No difference from natural sample	0
Just barely perceivable difference	1
Weak but definable difference	2
Clearly perceivable difference	3
Strong difference	4

4) Extractable Chromium、total Vanadium and total Zirconium content

Test Item	Maximum Permissible Limit (mg/kg)	Result	
		No.1	No.2
Extractable Chromium	0.05	<0.02	<0.02
Vanadium as Vanadium (V) Oxide	20	<5	<5
Total Zirconium	100	<5	<5

Note : 1. mg/kg = milligram per kilogram
 2. <=less than

Test Part Description :
 No.1 : White non-woven cloth
 No.2 : PE material

Written by: *Amanda* Inspected by: *Annie* Approved by: *lyt*

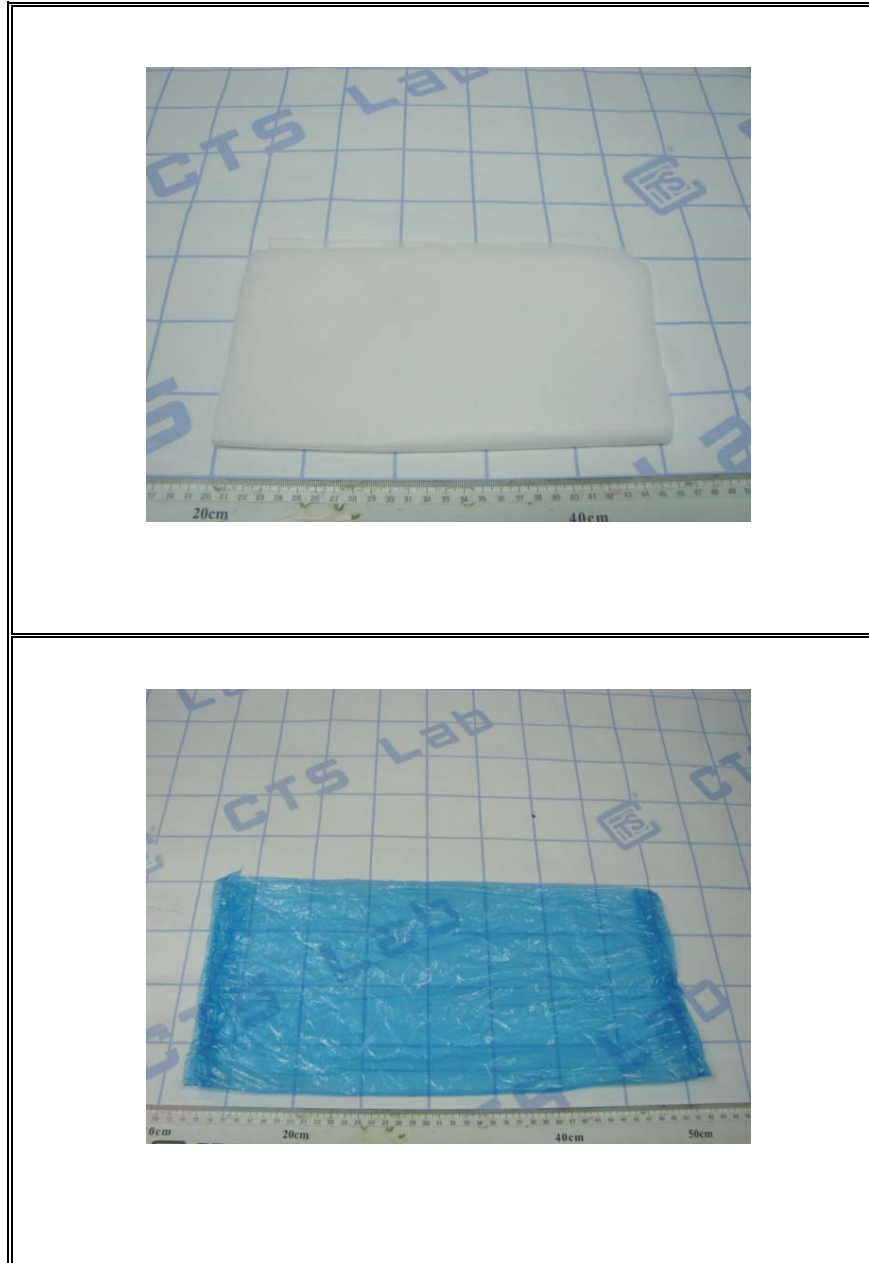
End of Report

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3 Sample Reference Photo



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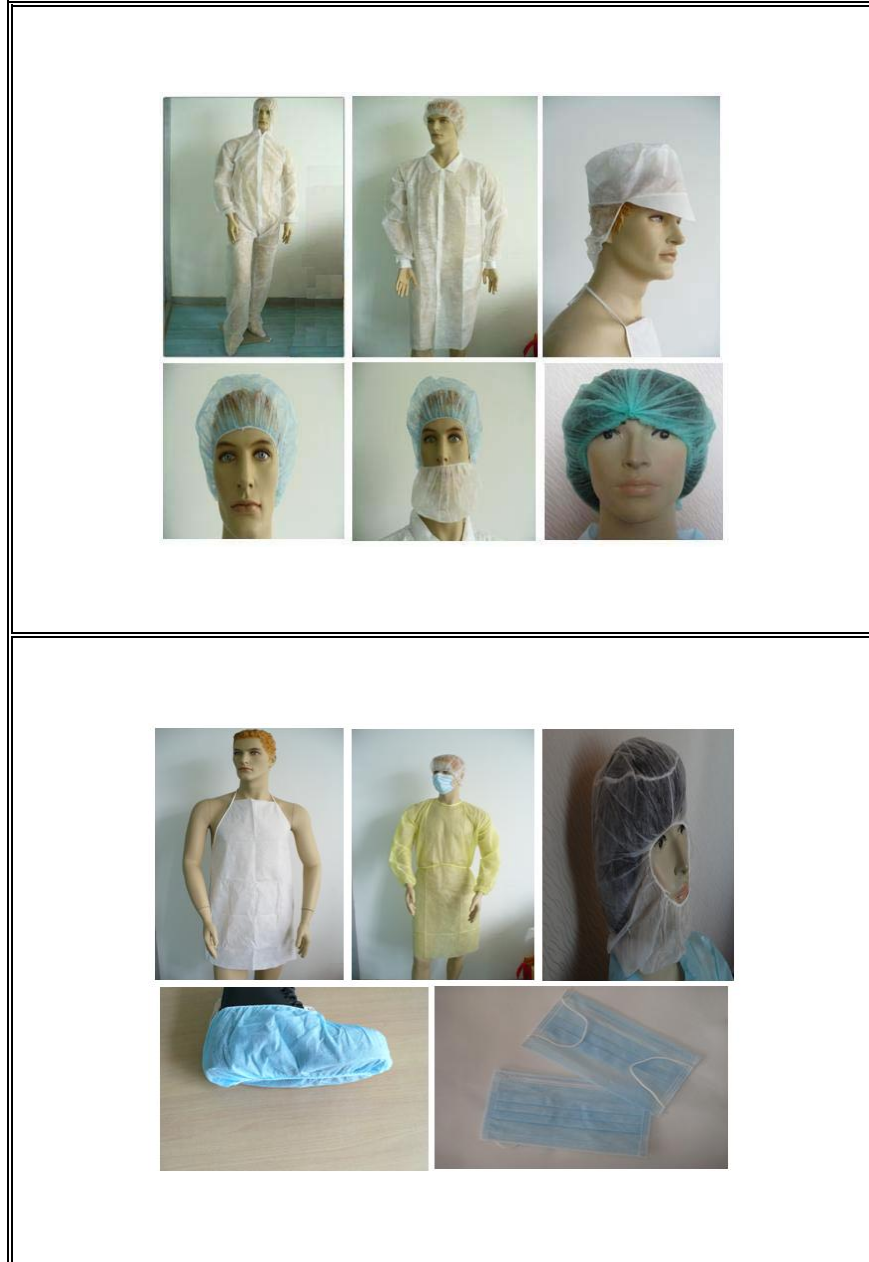
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