



Crown Name (WH) United Co., Ltd.

c/o Mrs Erin Zhang

Changhang Building Room 1805 18/F N°69
Yanjiang Avenue
CN-430021 WUHAN
China

your notice of	your ref.	our ref.	date
12/04/2012	Proforma 12036	YR/cert029/R12.01602.01	3 May 2012

Dear Mrs Zhang,

Please, find enclosed the certificate Nr 029/R12.01602.01, concerning the tests results of EN 13795 performed according to your request dated 12 April 2012.

If you need more information, please contact us.

Best regards.

Yvette Rogister
Order responsible

INRICHTING ERKEND BIJ TOEPASSING VAN DE BESLUITWET VAN 30 JANUARI 1947 / ÉTABLISSEMENT RECOGNU PAR APPLICATION DE L'ARRÊTÉ-LOI DU 30 JANVIER 1947



Crown Name (WH) United Co., Ltd.

c/o Mrs Erin Zhang

Changhang Building Room 1805 18/F N°69
Yanjiang Avenue
CN-430021 WUHAN
China

Your notice of
12/04/2012

Your reference
Proforma 12036

our reference
YR/cert029/R1.01602.01

date
3 May 2012

Certification report

1. Description of the tested article:

Reference: 35 gsm blue non woven - non sterile
Description: Blue non woven

2. Executed tests:

EN ISO 22610 : 2006
ISO 22612 : 2005
ISO 9073-10 : 2003
EN ISO 11737-1 : 2006 + AC : 2009
EN 20811 : 1992
EN 13938-1 : 1999– dry and wet
EN 29073-3 : 1992– dry and wet

According to EN 13795 : 2011

Detailed results can be found in:

Analysis reports Nr. 11661 of 9 January 2012 and 12.01602.01 of 27 April 2012.

This report runs to 3 pages and may be reproduced, as long as it is presented in its entire form, without written permission of Centexbel. The results of the analysis cover the received samples. Centexbel is not responsible for the representativeness of the samples.

Centexbel is authorised by decree of the Ministry of Employment and Labour AV/OA235/ST, dated 25/5/94 and identified under the number 0493 by the European Committee.

CENTEXBEL GENT
Technologiepark 7
BE-9052 Zwijnaarde (Gent)
Tel. +32 9 220 41 51
Fax +32 9 220 49 55
e-mail gent@centexbel.be

CENTEXBEL VERVIERS
Avenue du Parc 38
BE-4650 Herve (Chaineux)
Tel. +32 87 32 24 30
Fax +32 87 34 05 18
e-mail chaineux@centexbel.be



our ref.

date

page
number
2/3

Crown Name (WH) United Co.,

YR/cert029/R12.01602.01

Chaineux, 3 May 2012

3. Conclusions:

Table 1 : Performance requirements for **surgical drapes**

CHARACTERISTIC	UNIT	EN 13795 REQUIREMENTS			
		<i>Standard performance</i>		<i>High performance</i>	
		<i>Critical product area</i>	<i>Less critical product area</i>	<i>Critical product area</i>	<i>Less critical product area</i>
Resistance to microbial penetration - Dry	CFU	Not required	≤ 300	Not required	≤ 300
Resistance to microbial penetration – Wet	I_B	≥ 2.8	Not required	6.0	Not required
Cleanliness - Microbial	CFU/100 cm ²	≤ 300	≤ 300	≤ 300	≤ 300
Cleanliness – Particulate matter	IPM	≤ 3.5	≤ 3.5	≤ 3.5	≤ 3.5
Linting	Log ₍₁₀₎ (lint count)	≤ 4.0	≤ 4.0	≤ 4.0	≤ 4.0
Resistance to liquid penetration	cm H ₂ O	≥ 30	≥ 10	≥ 100	≥ 10
Bursting strength - dry	kPa	≥ 40	≥ 40	≥ 40	≥ 40
Bursting strength - wet	kPa	≥ 40	Not required	≥ 40	Not required
Tensile strength - dry	N	≥ 15	≥ 15	≥ 20	≥ 20
Tensile strength - wet	N	≥ 15	Not required	≥ 20	Not required

Table 2 : Performance requirements for **surgical gowns**

CHARACTERISTIC	UNIT	EN 13795-3 REQUIREMENTS			
		<i>Standard performance</i>		<i>High performance</i>	
		<i>Critical product area</i>	<i>Less critical product area</i>	<i>Critical product area</i>	<i>Less critical product area</i>
Resistance to microbial penetration - Dry	CFU	Not required	≤ 300	Not required	≤ 300
Resistance to microbial penetration – Wet	I_B	≥ 2.8	Not required	6.0	Not required
Cleanliness - Microbial	CFU/100 cm ²	≤ 300	≤ 300	≤ 300	≤ 300
Cleanliness – Particulate matter	IPM	≤ 3.5	≤ 3.5	≤ 3.5	≤ 3.5
Linting	Log ₍₁₀₎ (lint count)	≤ 4.0	≤ 4.0	≤ 4.0	≤ 4.0
Resistance to liquid penetration	cm H ₂ O	≥ 20	≥ 10	≥ 100	≥ 10
Bursting strength - dry	kPa	≥ 40	≥ 40	≥ 40	≥ 40
Bursting strength - wet	kPa	≥ 40	Not required	≥ 40	Not required
Tensile strength - dry	N	≥ 20	≥ 20	≥ 20	≥ 20
Tensile strength - wet	N	≥ 20	Not required	≥ 20	Not required



our ref.

date

page
number
3/3

Crown Name (WH) United Co.,

YR/cert029/R12.01602.01

Chaineux, 3 May 2012

Table 3 : Results obtained on the tested sample

SAMPLE	CHARACTERISTIC	UNIT	RESULTS
35 gsm blue non woven	Resistance to microbial penetration - Dry	CFU	41
	Resistance to microbial penetration – Wet	I_B	2.8
			2.7
			3.1
			2.9
			3.2
	Cleanliness - Microbial	CFU/100 cm ²	32
	Cleanliness – Particulate matter	IPM	1.4
	Linting	Log ₍₁₀₎ (lint count)	1.5
	Resistance to liquid penetration	cm H ₂ O	25.5
	Bursting strength - dry	kPa	77.9
	Bursting strength - wet	kPa	102
	Tensile strength – dry	N (warp/weft)	79.7/39.4
	Tensile strength – wet	N (warp/weft)	85.5/40.3

According to EN 13795: 2011, the fabric **35 gsm blue non woven** fulfils the requirements to be used for **Gowns and Surgical drapes – Standard and High performances for less critical product areas** .

Yvette Register