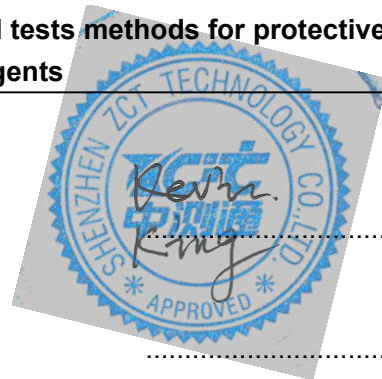



<b>TEST REPORT</b> <b>EN 14126</b> <b>Protective clothing - Performance requirements and tests methods for protective clothing against infective agents</b>	
<b>Report Reference No.</b> .....	20ZCTS0323013SP
<b>Tested by (+ signature) :</b>	Kevin Yang
<b>Approved by (+ signature) :</b>	King Hu
<b>Date of issue</b> .....	March 12, 2020
<b>Testing laboratory</b> .....	Shenzhen ZCT Technology Co.,Ltd
<b>Address</b> .....	3/F., Building 5, Hongsheng Industrial Zone, Bao'an Road, Xixiang Street, Bao'an District, Shenzhen, Guangdong, China.
<b>Applicant's name</b> .....	Hunan Mingyu Nonwovens Co.Ltd
<b>Address</b> .....	NO.333 DESHAN AVENUE , CHANGDE ECONOMIC AND TECHNOLOGY DEVELOPMENT DISTRICT ,HUNAN PROVINCE , CHINA
<b>Manufacturer's name</b> .....	Same as applicant
<b>Address</b> .....	
<b>Factory's name</b> .....	Same as applicant
<b>Address</b> .....	
<b>Test specification:</b>	
<b>Standard</b> .....	<input checked="" type="checkbox"/> EN 14126:2003
<b>Test procedure</b> .....	Commission test
<b>Non-standard test method</b> .....	N/A
<b>Test Report Form No.</b> .....	
<b>TRF Originator</b> .....	ZCT
<b>Master TRF</b> .....	Dated 2019-01
<b>Test item description</b> .....	Disposable isolation clothin
<b>Trade Mark</b> .....	/
<b>Model/Type reference</b> .....	MY003
<b>Ratings</b> .....	Type 4-B Class 2



<b>Test item particulars:</b>	
<b>Test case verdicts:</b>	
Test case does not apply to the test object ...:	N/A
Test object does meet the requirement .....	Pass (P)
Test object does not meet the requirement ...:	Fail (F)
<b>Testing:</b>	
Date of receipt of test item .....	Mar. 12, 2020
Date(s) of performance of test .....	Mar. 13, 2020 to Mar. 24, 2020
<b>General remarks:</b> The test results presented in this report relate only to the item(s) tested. This report shall not be reproduced, except in full, without the written approval of the testing laboratory. "(see remark #)" refers to a remark appended to the report. "(see Annex #)" refers to an annex appended to the report. "(see appended table)" refers to a table in the Test Report. Throughout this report a comma (point) is used as the decimal separator.	

Copy of marking plate	
Disposable isolation clothin Brand: / Model: MY003 Type 4-B Class 2 Hunan Mingyu Nonwovens Co.Ltd NO.333 DESHAN AVENUE , CHANGDE ECONOMIC AND TECHNOLOGY DEVELOPMENT DISTRICT ,HUNAN PROVINCE , CHINA  Made in China	No Marking
Remark on the marking plate: 1. The height of graphical symbols is not less than 5 mm; 2. The height of letters and numerals are not less than 2 mm	



EN 14126			
Clause	Requirement - Test	Result - Remark	Verdict
<b>4</b>	<b>Requirements</b>		-
<b>4.1</b>	<b>Materials requirements</b>		-
<b>4.1.1</b>	<b>General</b>		-
	If the care instructions indicate that the clothing can be cleaned and reprocessed at least five times, protective clothing materials shall be submitted to five cleaning and reprocessing cycles according to the manufacturer's care instructions before testing.		P
	If the care instructions specify a lower number of cleaning/reprocessing cycles, then materials shall be submitted to the number of cleaning/reprocessing cycles indicated.		P
	Unless otherwise stated in the relevant test procedure, the specimens shall be conditioned for at least 24 h in an atmosphere of (20 ± 2) °C and (65 ± 5) % relative humidity before testing.		P
	Tests shall be carried out in the same atmosphere or within 5 min of removing the sample from the conditioning atmosphere.		P
<b>4.1.2</b>	<b>Mechanical and flammability requirements</b>		-
	The materials shall be tested and classified in accordance with the test methods and performance classification system specified in the relevant clauses of prEN 14325.		P
<b>4.1.3</b>	<b>Chemical requirements</b>		-
	If protection against chemicals is claimed, the materials shall be tested and classified in accordance with the test methods and performance classification system specified in the relevant clauses of prEN 14325.		P
<b>4.1.4</b>	<b>Performance requirements against penetration by infective agents</b>		-
<b>4.1.4.1</b>	<b>Resistance to penetration by contaminated liquids under hydrostatic pressure</b>		P
	When tested in accordance with ISO/FDIS 16603 and ISO/FDIS 16604 the material shall be classified according to the levels of performance given in Table 1, as obtained in the bacteriophage		P



EN 14126			
Clause	Requirement - Test	Result - Remark	Verdict
	test (ISO/FDIS 16604).		
	NOTE The synthetic blood test (ISO/FDIS 16603) is used for screening purposes, i.e. to predict the level where a strikethrough can be expected when performing the bacteriophage test (ISO/FDIS 16604)		-

**Table 1 - Classification of resistance to penetration by contaminated liquids under hydrostatic pressure (ISO/FDIS 16604)**

Class	Hydrostatic pressure at which the material passes the test	Result	Verdict
6	20 kPa	/	/
5	14 kPa	/	/
4	7 kPa	/	/
3	3,5 kPa	/	/
2	1,75 kPa	2,3 kPa	P
1	0 kPa a	/	/

a this means that the material is only exposed to the hydrostatic pressure of the liquid in the test cell

<b>4.1.4.2</b>	<b>Resistance to penetration by infective agents due to mechanical contact with substances containing contaminated liquids.</b>		P
	When tested in accordance with Annex A the material shall be classified according to the levels of performance given in Table 2.		P

**Table 2 - Classification of resistance to penetration by infective agents due to mechanical contact with substances containing contaminated liquids**

Class	Breakthrough time, t min	Result	Verdict
6	$t > 75$		/
5	$60 < t \leq 75$		/
4	$45 < t \leq 60$		/
3	$30 < t \leq 45$		/
2	$15 < t \leq 30$	>28 min	P
1	$\leq 15$ min		/

<b>4.1.4.3</b>	<b>Resistance to penetration by contaminated liquid aerosols</b>		-
	When tested in accordance with ISO/DIS 22611 the material shall be classified according to the levels of performance given in Table 3.		P



EN 14126			
Clause	Requirement - Test	Result - Remark	Verdict

**Table 3 - Classification of resistance to penetration by contaminated liquid aerosols**

Class	Penetration ratio (log)	Result	Verdict
3	$\log > 5$		/
2	$3 < \log \leq 5$	4	P
1	$1 < \log \leq 3$		/

<b>4.1.4.4</b>	<b>Resistance to penetration by contaminated solid particles.</b>		--
	When tested in accordance with ISO/DIS 22612 the material shall be classified according to the levels of performance given in Table 4.		P

**Table 4 - Classification of resistance to penetration by contaminated solid particles**

Class	Penetration (log cfu)	Result	Verdict
3	$\leq 1$	/	/
2	$1 < \log \text{ cfu} \leq 2$	/	P
1	$2 < \log \text{ cfu} \leq 3$	/	/


<b>4.2</b>	<b>Performance requirements for seams, joints and assemblages</b>		-
	Seams, joints and assemblages of protective clothing against infective agents shall fulfil the requirements specified in the relevant clauses of prEN 14325 Seam strength shall be classified according to 5.5 of prEN 14325:2001.		P
<b>4.3</b>	<b>Whole suit requirements</b>		-
	Protective clothing against infective agents shall fulfil the relevant requirements of EN 340 and the whole suit requirements specified in the relevant standard for chemical protective clothing (see Table 5).		P
	The materials and design used shall not cause skin irritation nor have any adverse effect to health.		P
	NOTE The suit should be as light and as flexible as possible in order to ensure the comfort of the wearer, not to hinder movements and still provide at the same time effective protection.		-

**Table 5 - Types of protective clothing against infective agents**

Type of clothing	Relevant standard
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EN 14126			
Clause	Requirement - Test	Result - Remark	Verdict
type 1a, 1b, 1c, 2		EN 943-1 (EN 943-2 for ET suits)	
type 3		EN 466	
type 4		<b>EN 465</b>	
type 5		prEN ISO 13982-1	
type 6		prEN 13034	
partial body protection		EN 467	

<b>5</b>	<b>Marking</b>		-
	The clothing shall be marked in accordance with the applicable requirements of the relevant standard for chemical protective clothing.		P
	The marking of protective clothing against infective agents shall contain the following additional information:		P
	a) the number of this European Standard;	EN 14126	P
	b) the type of protective clothing, as specified in Table 5, with the suffix "-B", e.g. type 3-B;	Type 4-B	P
	c) the pictogram "protection against biological hazard" 		P
<b>6</b>	<b>Information supplied by the manufacturer</b>		-
	The information for the user shall be worded clearly and unambiguously and be understandable by a trained person.		P
	The information for the user of protective clothing against infective agents shall contain all the information required by EN 340 and by the relevant standard for that specific type of chemical protective clothing. In addition it shall contain the following information:		P
	a) the number of this European Standard;	EN 14126	P
	b) the type designation, e.g. type 3-B;	Type 4B	P
	c) the biological agents against which the protective clothing has been tested. This information shall be expressed as performance levels, as specified in 4.1.4.1 to 4.1.4.4 for the relevant types of biological challenge;		P
	d) all other relevant information on performance		P



EN 14126			
Clause	Requirement - Test	Result - Remark	Verdict
	levels, preferably as a Table;		
	e) the information necessary for trained persons about:		P
	– application and limitations of use (temperature range, etc.);		P
	– if relevant, checks to be carried out by the wearer before use;		P
	– fitting and adjustments, and any accessories needed to provide the claimed level of protection;		P
	– use;		P
	– maintenance, cleaning and disinfection;		P
	– storage;		P
	– if relevant, a warning against problems likely to be encountered;		P
	– if relevant, illustrations, part numbers and marking of spare parts, etc.		P
	– disposal after use.		P



**Annex I: Photo documentation**

Type of equipment, model: Disposable isolation clothin, MY003

Details of: MY003

View:

general

front

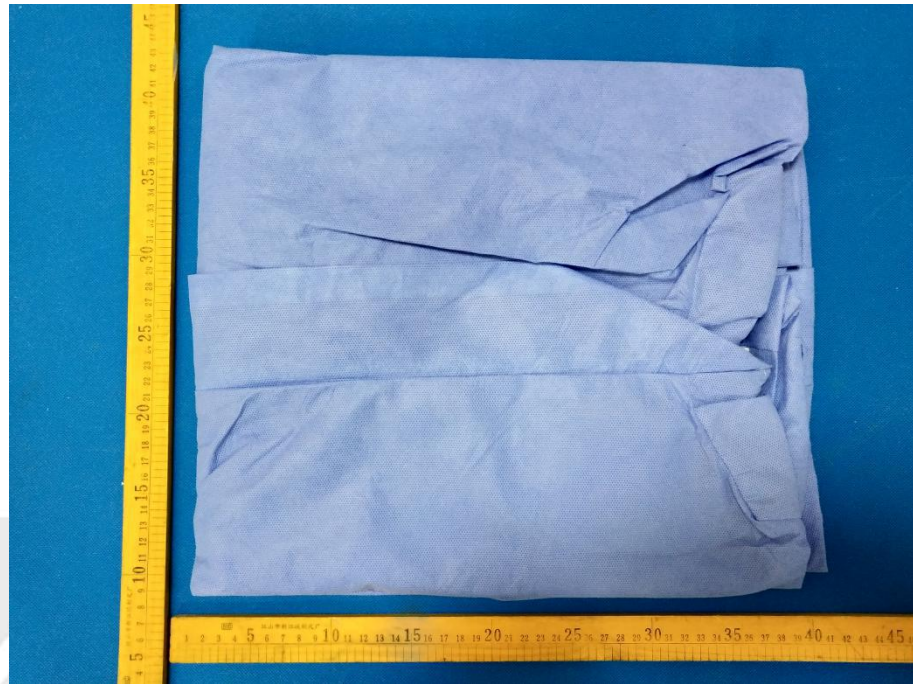
rear

right

left

top

bottom



- End of Test Report -

