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中国认可  
检测  
TESTING  
CNAS L1101



# TESTING REPORT

NO: A01733012000273

Product Name

Hermetic sliding hospital door

Producing Unit

Shanghai PAD Automatic Doors  
Technology Co.,Ltd.

Testing Category

Entrusing

Entrusing Unit

Shanghai PAD Automatic Doors  
Technology Co.,Ltd.

江苏省建筑工程质量检测中心有限公司



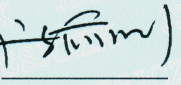
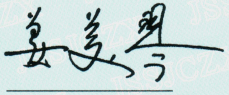

JIANGSU TESTING CENTER FOR QUALITY OF CONSTRUCTION ENGINEERING(Co.,Ltd.)

检验检测专用章  
(3)

# TESTING REPORT

Report No. A01733012000273

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Type of product	Hermetic sliding hospital door	Entrusting No.	2036114
Model(s)	QTDM	Sample No.	203301000301
Applicant	Shanghai PAD Automatic Doors Technology Co.,Ltd.	Brand name	PAD
Manufacturer	Shanghai PAD Automatic Doors Technology Co.,Ltd.		
Manufacturer address	No.2439 Gaoshi Road, Huating Town, Jiading District, Shanghai, China		
Sample quantity	One	Sample delivery date	2020.09.10
Sample status	intact	Test date	2020.09.17
Test content	Air permeability		
Classification standards	BS EN 12207:2016 Windows and doors - Air permeability - Classification		
Test standards	BS EN 1026:2016 Windows and doors - Air permeability - Test method		
Test results	The air permeability meets the requirements of BS EN 12207:2016 standard level 4.		
Test by	 		
Checked by			
Approved by			
JIANGSU TESTING CENTER FOR QUALITY OF CONSTRUCTION ENGINEERING (Co.,Ltd.)		 Issue data 2020.09.25	

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<b>Basic information of sample</b>			
Type of product	Hermetic sliding hospital door		
Sample size	1480mm × 2200mm		
Sample quantity	One	Sample status	Intact
Opening seam length	7.01m	Sample area	3.256 m <sup>2</sup>
Glass sealing material	Sealant	Leaf opening sealing material	Rubber strip
Glass specifications & Brand	Hollow tempered glass		
Glass maximum size	500mm × 400mm		
Aluminium alloy specifications	Jiangsu Jinxiu Aluminum Industry Co., Ltd 、 6063-T5		
Hardware	Tubular handle, Hermetic sliding aluminum beam track		

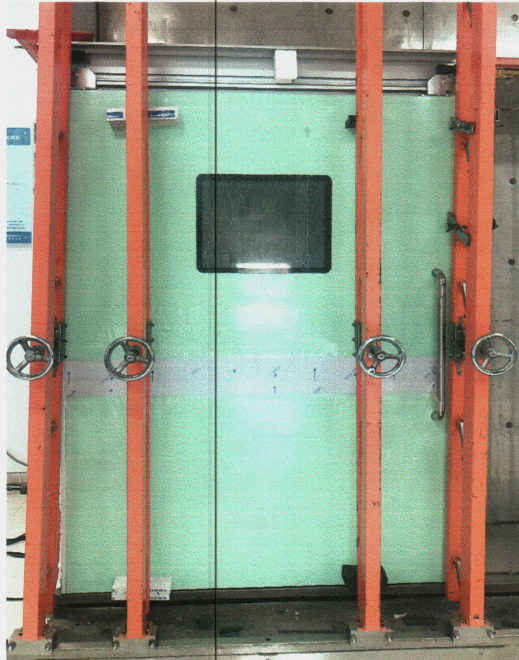
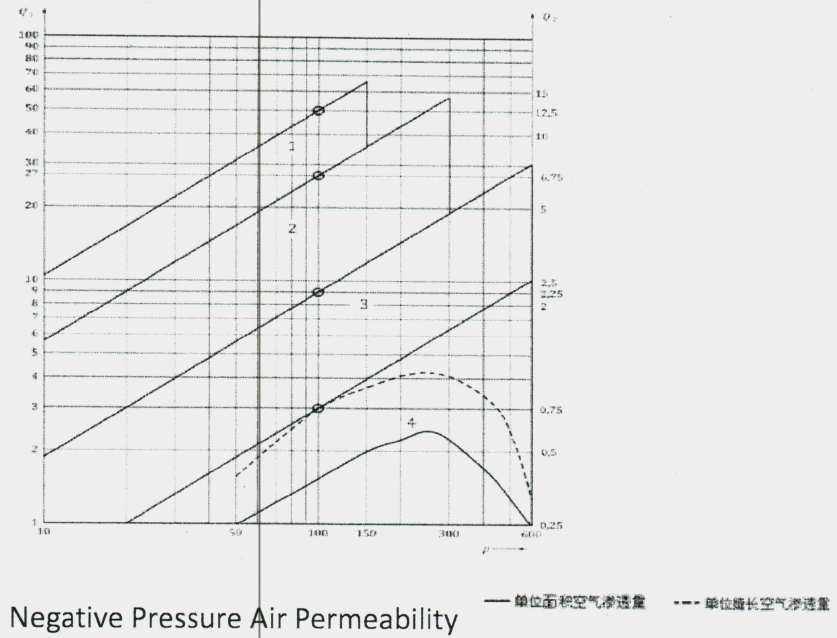
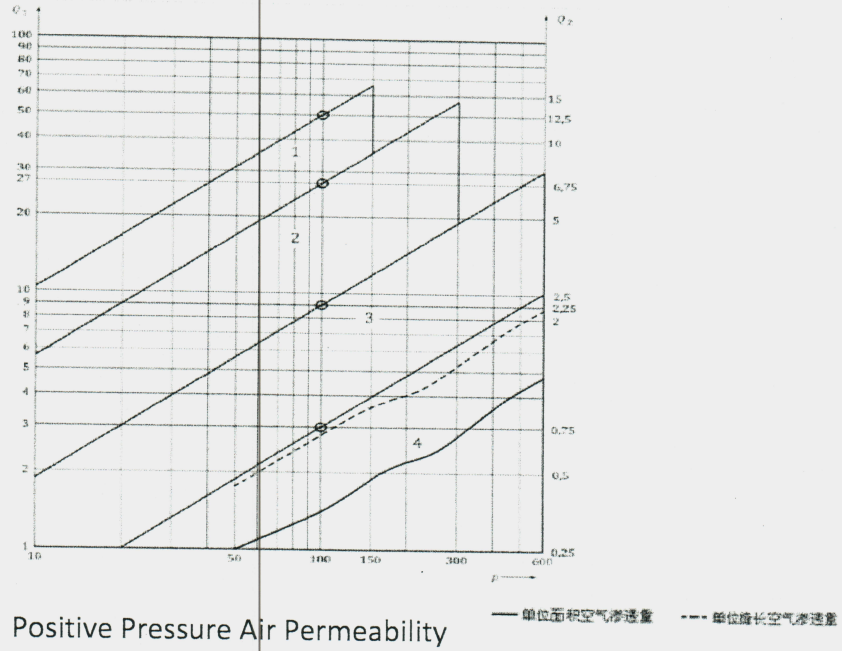


Fig 1 Sample Facade



Test Data						
Air permeability test result						
Parameter	Technical index (Reference penetration under various pressure difference of level 4)		Test result		Individual assessment	
			Positive pressure	Negative pressure	Positive pressure	Negative pressure
Air permeability per unit area ( $m^3/(h \cdot m^2)$ )	50 Pa	$\leq 1.89$	0.96	0.99	Qualified	Qualified
	100Pa	$\leq 3.00$	1.53	1.56	Qualified	Qualified
	150Pa	$\leq 3.93$	1.98	2.04	Qualified	Qualified
	200 Pa	$\leq 4.76$	2.25	2.30	Qualified	Qualified
	250 Pa	$\leq 5.53$	2.52	2.55	Qualified	Qualified
	300 Pa	$\leq 6.24$	2.91	2.31	Qualified	Qualified
	450 Pa	$\leq 8.18$	4.04	1.59	Qualified	Qualified
	600 Pa	$\leq 9.91$	4.85	0.78	Qualified	Qualified
Air permeability per unit seam length ( $m^3/(h \cdot m)$ )	50 Pa	$\leq 0.47$	0.45	0.46	Qualified	Qualified
	100Pa	$\leq 0.75$	0.71	0.72	Qualified	Qualified
	150Pa	$\leq 0.98$	0.91	0.95	Qualified	Qualified
	200 Pa	$\leq 1.19$	1.04	1.07	Qualified	Qualified
	250 Pa	$\leq 1.38$	1.17	1.18	Qualified	Qualified
	300 Pa	$\leq 1.56$	1.35	1.07	Qualified	Qualified
	450 Pa	$\leq 2.04$	1.88	0.74	Qualified	Qualified
	600 Pa	$\leq 2.48$	2.25	0.36	Qualified	Qualified
<p>Note: The reference permeability per unit area and the reference permeability per unit seam length refer to the value at the reference test pressure difference of 100 Pa. For other levels of pressure difference, it can be calculated according to the following formula: <math>Q=Q_{100} \left( \frac{P}{100} \right)^{2/3}</math></p> <p>Where: <math>Q_{100}</math> is the reference air permeability under 100 Pa test pressure difference; <math>Q</math> is the air permeability under test pressure difference.</p>						



<b>Test Environment</b>					
Sample preparation	The ambient temperature of the sample ranged from 10°C to 30°C and the relative humidity ranged from 25% to 75%. The sample was placed in this environment for 48 hours before test.				
Ambient temperature	298 K	Atmospheric pressure	100.5k Pa	Relative humidity	52 %
<b>Main Test Equipment</b>					
No.	Equipment number	Equipment name	Calibration valid data		
1	FP0804	Test machine of doors and windows comprehensive physical properties	2021.04.29		
2	FP0506	Aneroid barometer	2021.03.09		
3	TK0220	Temperature and humidity meter	2021.03.09		
4	LS0805	Steel tape	2021.03.09		