

2007002236X



检测  
CNAS L0531

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公警检（委）字第1050092号

# TEST REPORT

Sample Name: Anti Riot Suit

Model: FBF-B-FOX102

Applicant Name: FOX ARMOUR CO.,LTD.

Test type: Authority test

Test Basis: GA420-2003 Anti Riot Suit for Police Using

Test Date: 11th May 2011

The Quality supervision and inspection center for  
special police equipment of police department




姓名: 田田

# The Test Center of Bulletproof Equipment of China Ordnance Industry

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Name	Anti-riot suit	Type	FOX102
Client	Fox Armour Co.,Ltd	Client Principal	Fan Jingchun
Address	Fuxi Industrial Zone,Deqing city, Zhejiang,China	Telephone	0572-8265660
Manufacturer	Fox Armour Co.,Ltd	Test Sort	Commission Test
Address	Fuxi Industrial Zone,Deqing city, Zhejiang,China	Telephone	0572-8265660
Test Date	Apr.28, 2011	Brand	/
Lot Number	/	Sample Number	1
Sample Place	/	Basic Number	/
Sample Unit	/	Sample Date	/
Standard	GA 420-2003 Anti-riot suit		
Test Item	General requirement, Appearance ,Weight, Wearing agility ,Protection area, structure joint intensity ,Stab-proof Performance, Resist concussion Performance ,Strike energy absorb Performance		
Test Conclusion	<p>Type FOX102 Anti-riot suit (sample), which is provided by Fox Armour Co.,Ltd has got a test of General requirement, Appearance, Weight, Wearing agility, Protection area, structure joint intensity ,Stab-proof Performance, Resist concussion Performance and Strike energy absorb Performance. The performance of testing item satisfies the related requirements of GA 420-2003 Anti-riot suit.</p>		
Remarks	Date: <i>May. 11, 2011</i> 		
Editor: <i>Sun Hongying</i> Censor: <i>Tian Guifang</i> Approver: <i>Peng Yuchun</i>			

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Test place, environment ( special requirement of environment ) and test equipments	
Test place	<p style="text-align: center;">The Test Center of Bulletproof Equipment of China Ordnance Industry</p> <p style="text-align: center;">/</p>
Test environment ( special requirement of environment )	<p style="text-align: center;">In the room: temperature 14°C, humidity 54%RH</p> <p style="text-align: center;">/</p>
Test equipments	<p style="text-align: center;">AQJL-300 drop hammer impact test equipment GA68 Standard test knife GA68 Standard underlay material Universal standard measure Electro- balance</p>
Description of sample character	<p>The sample is composed of Chest, abdomen, groin and coceyx protectors, back, upper limbs, lower limbs and feet protectors. The material is Oxford waterproof cloth of resist burning. The stab-proof panel is made of horniness alloy aluminium and truma panel. The armor panel is made of high intensity PA. The middle is 5.0mm,3.0mm,1.5mm resist burning EVA.</p>

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No	Test item	Request	Samples number	Test result	Determinant
1	General requirement	The material of Anti-riot suit should innocuity and do harmless to person.	/	Meet the requirement	Eligibility
2	Appearance examination	The Anti-riot suit shouldn't have fault such as rift, dilapidation, indentation, thrum and so on.	/	Meet the requirement	Eligibility
3	Weight	Total Weight of Anti-riot suit ought to less than 8.5kg.	/	4.500 kg	Eligibility
4	Wearing agility	The Anti-riot suit flexible and be easy to dress. It's very convenience to genuflect, jump, squat, run, pitching and so on.	/	Meet the requirement	Eligibility
5	Protection area	Chest, abdomen, groin and coceyx protectors: $\geq 0.26\text{m}^2(\text{L})$ $\geq 0.24\text{m}^2(\text{S})$ back protectors $\geq 0.14\text{m}^2(\text{L})$ $\geq 0.12\text{m}^2(\text{S})$ upper limbs protectors $\geq 0.26\text{m}^2(\text{L})$ $\geq 0.20\text{m}^2(\text{S})$ lower limbs protectors $\geq 0.42\text{m}^2(\text{L})$ $\geq 0.40\text{m}^2(\text{S})$	/	Chest, abdomen, groin and coceyx protectors: $0.26\text{m}^2$ Back protectors: $0.14\text{m}^2$ Upper limbs protectors: $0.26\text{m}^2$ lower limbs protectors: $0.42\text{m}^2$	Eligibility
6	Structure joint intensity	Jack intensity $\geq 300\text{N}$ ; nylon agraffe joint intensity $\geq 120\text{N}$ ; joint webbing Intensity $\geq 2200\text{N}$ ; other connectable part joint intensity $\geq 250\text{N}$	/	Meet the requirement	Eligibility

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No.	Test item		Request	Samples number	Test result	Determinant
7	Stab-proof performance		At the Chest, abdomen, groin and coccyx protectors, back protectors of the Anti-riot suit, Use the GA68 Standard test knife with 20J kinetic energy penetrate into the stab-proof panel by 0° and the knife point ought not to penetrate.	/	PP	Eligibility
8	Resist concussion Performance		Put the random protectors of the Anti-riot suit on the rigidity plane with 120J energy impact the part, The part ought not to dilapidation.	/	Uncracked	Eligibility
9	Strike energy absorb Performance		Put the chest and back protectors of the Anti-riot suit on the standard underlay with 100J energy impact the part, The imprint depth of the standard underlay ought to less than 20mm.	/	Backing Material Inprint Depth: 0mm and 2.1mm	Eligibility
10	Temperature Adaptability	High Temperature	After 4 hours in the temperator(+55 °C ± 2 °C), Stab-proof Performance and resist concussion Performance of the Anti-riot suit should meet GA 420-2003 General specification for Anti-riot suit.	/	/	/
		Low Temperature	After 4 hours in the temperator(-20 °C ± 2 °C), Stab-proof Performance and resist concussion Performance of the Anti-riot suit should meet GA 420-2003 General specification for Anti-riot suit.	/	/	/

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**Type FOX102 Anti-riot suit Complete picture**

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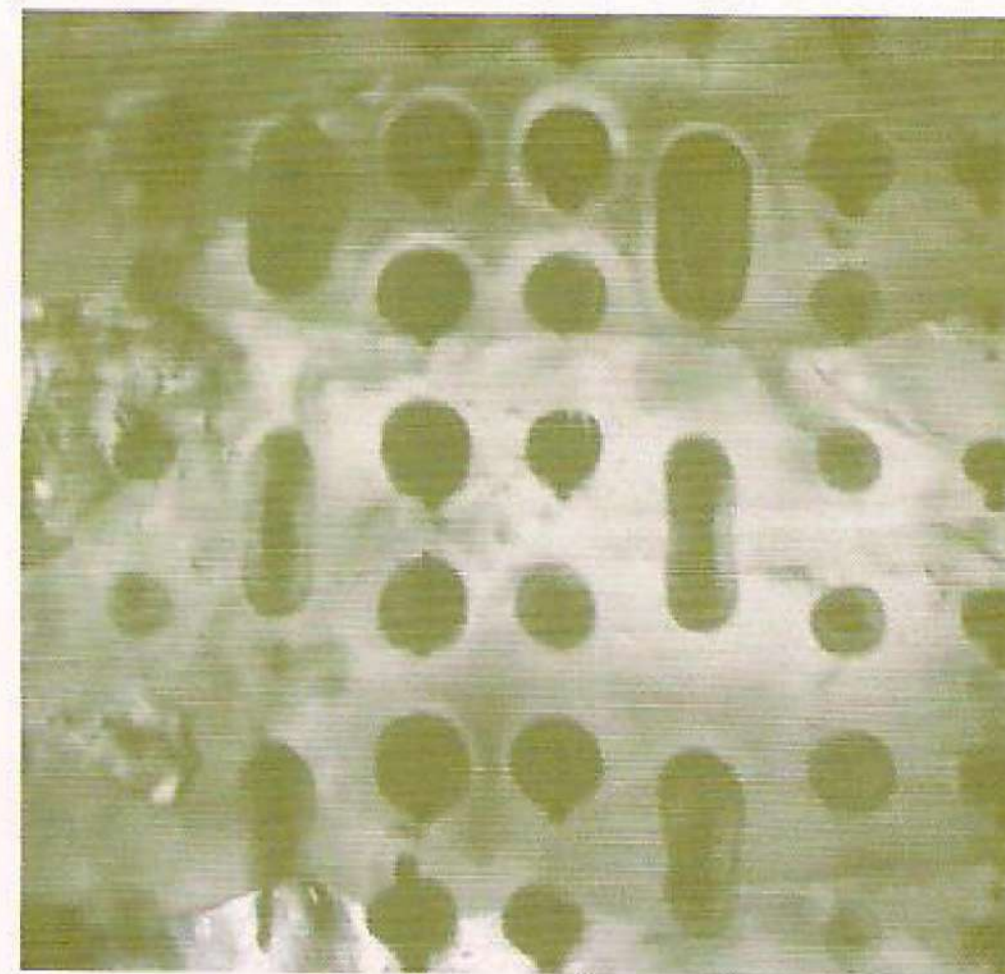
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**Figure 1**

The Trauma circles of Type FOX102 Anti-riot  
suit ( chest and abdomen)after stab-proof



Stab Imprint of chest and abdomen



Stab Imprint of private parts



Strike energy absorb of chest

**Figure 2**

The damnification of Backing Material

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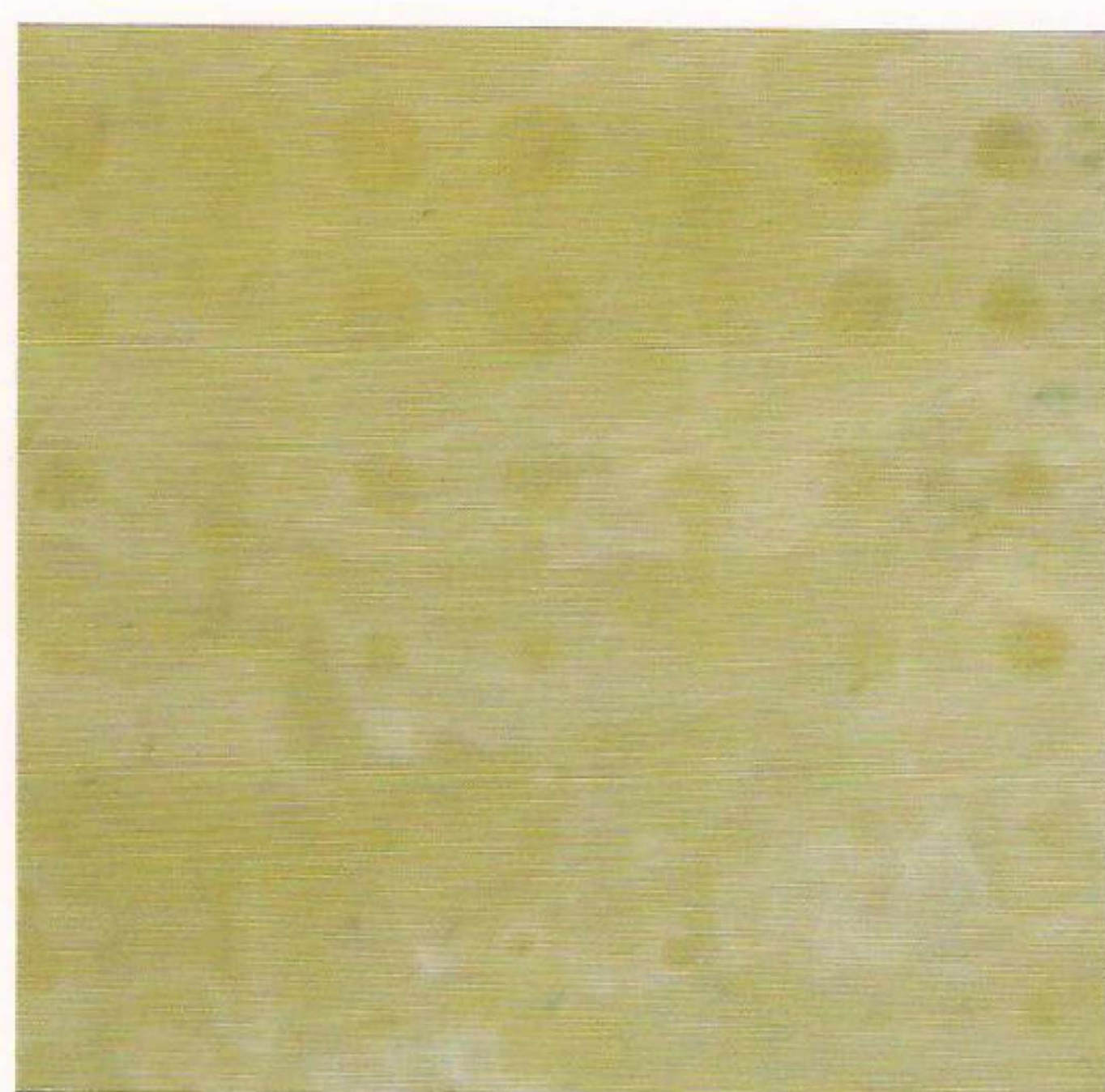
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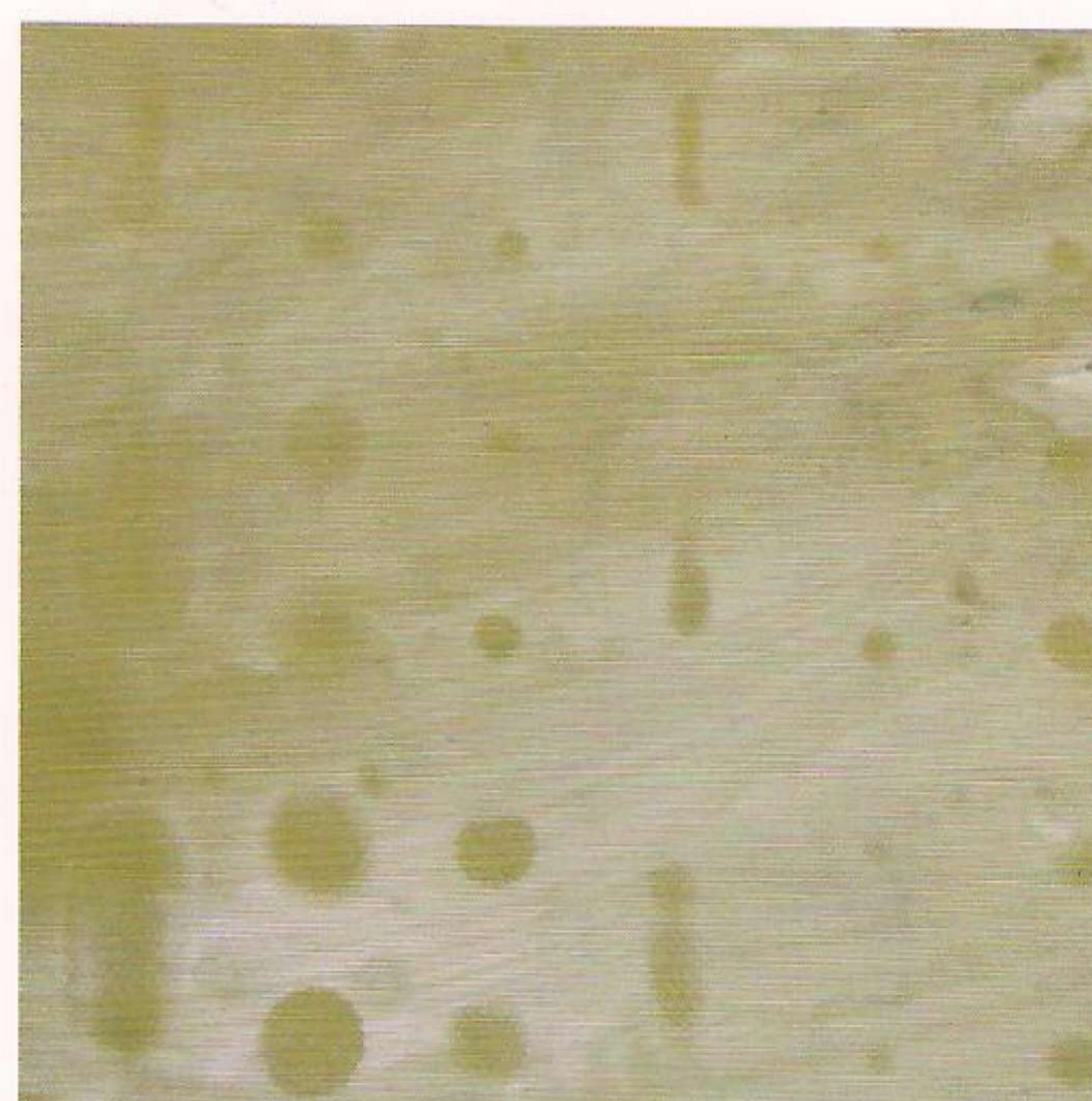


**Figure 3**

The Trauma circs of Type FOX102 Anti-riot  
suit after stab-proof, Strike energy absorb, Resist concussion



Stab-proof



Strike energy absorb

**Figure 4**

The damnification of Backing Material