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Innovation experience

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LAB N° 0033 L

Test Report 19RA13608

of **03/10/2019**

Messrs
ALTEK YAPI MARKET SAN TIC.LTD.STI.
GUZELEVLER MAH.GIRNE BULVARI NO:282/A CEYHAN YOLU
ADANA - TR

Samples and identifications

Sample 19LA21088
Receipt date: **11/09/2019**
Sample receiving date: **11/09/2019**
Description: **Nonwoven coverall item TP63 1967, size L**
Sampling carried out by: **customer**

Sample 19LA21089
Receipt date: **11/09/2019**
Sample receiving date: **11/09/2019**
Description: **Nonwoven coverall item TP63 1967, size XL**
Sampling carried out by: **customer**

Sample 19LA21090
Receipt date: **11/09/2019**
Sample receiving date: **11/09/2019**
Description: **Nonwoven coverall item TP63 1967, size XXL**
Sampling carried out by: **customer**

This Test Report consists of the following results

70000 Protective clothing. Size
70050 Protective clothing. Control of ergonomic requirements
70160 Protective clothing. Control of specific design requirements
70160 Protective clothing. Control of specific design requirements
70160 Protective clothing. Control of specific design requirements
70160 Protective clothing. Control of specific design requirements

Protective clothing. Size

Product standard		UNI EN ISO 13688:2013	
Test method		UNI EN ISO 13688:2013 Par. 6	
Test began on:	**01/10/2019**	Test ended on:	**01/10/2019**

Results contained in this report refer only to tested manufacts
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Results for sample 19LA21088	UM	result
Size analyzed		L
Total length	cm	169.0
Chest circumference	cm	123.0
Sleeves length	cm	79.0
Waist circumference	cm	107.0
Inside leg length	cm	78.5

Results for sample 19LA21089	UM	result
Size analyzed		XL
Total length	cm	174.5
Chest circumference	cm	126.0
Sleeves length	cm	81.5
Waist circumference	cm	121.0
Inside leg length	cm	79.5

Results for sample 19LA21090	UM	result
Size analyzed		XXL
Total length	cm	176.5
Chest circumference	cm	130.0
Sleeves length	cm	82.5
Waist circumference	cm	123.0
Inside leg length	cm	80.5

NOTE - Average length of the sleeves measured from the neck to the bottom sleeve.

Protective clothing. Control of ergonomic requirements

Product standard	UNI EN ISO 13688:2013
Test method	UNI EN ISO 13688:2013 Par. 4
Number of prototypes tested	1
Size	L
Test began on: 01/10/2019	Test ended on: 01/10/2019

Results for sample 19LA21088 *	UM	result
The garment is in accordance with section 4 EN ISO13688:2013		

Protective clothing. Control of specific design requirements

Product standard	UNI EN 13034:2009
Number of prototypes tested	1
Size	L
Test began on: 01/10/2019	Test ended on: 01/10/2019

Results for sample 19LA21088 *	UM	result
Requirements		
There are not features which may collect liquid chemicals and hold them onto the fabric surface, e.g. unprotected pockets etc		compliant
The clothing shall be made so that the wearer has freedom of movement and shall be as comfortable as possible		compliant

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Protective clothing. Control of specific design requirements

Product standard	UNI EN 1149-5:2018
Number of prototypes tested	1
Size	L
Test began on: 01/10/2019	Test ended on: 01/10/2019

Results for sample 19LA21088 *	UM	result
Requirements		
Electrostatic dissipative protective clothing shall permanently cover all non-complying materials during normal use, inclusive of bending and movements		compliant
Electrostatic dissipative protective clothing shall allow full body movement with all closures fastened according to manufacturer's instructions		compliant
Non-dissipative attachment to the outside of garments, such as labels, reflective stripes, etc., are permitted without length restriction providing they do not exceed 50 mm in width		compliant
Non-dissipative attachment to the outside of garments greater in width than 50 mm shall be restricted to a maximum area of 10000 mm²		not applicable
Non-dissipative attachment to the outside of garments shall be permanently attached to electrostatic dissipative materials		compliant
The combined thickness of any outer layer of non-dissipative material plus the thickness of any non-dissipative attachment shall be less than 2 mm.		compliant
Any hood that has a non-dissipative material that is exposed when the hood is not worn shall be capable of being removed or stowed within the garment such that non-dissipative materials are covered by dissipative materials		not applicable
Touch and close fasteners are permitted provided they comply with the above thickness, width and area restrictions		compliant
Exposed cords, drawstrings, etc. shall not exceed 20 mm in width		compliant
Attachment to the outside of garments shall be done in such a way that separation between the attached elements and the electrostatic dissipative material is avoided		compliant
Conductive parts (slide fasteners, buttons, etc.) are permitted provided they are fully covered by the outermost electrostatic dissipative materials when in use		compliant

Protective clothing. Control of specific design requirements

Product standard	UNI EN 1073-2:2003
Number of prototypes tested	1
Size	L
Test began on: 01/10/2019	Test ended on: 01/10/2019

Results for sample 19LA21088 *	UM	result
Requirement		
Protective clothing may consist of one or more garments designed to be worn together, and may incorporate permanently attached accessories (hood, gloves and overboots)		compliant

Protective clothing. Control of specific design requirements

Product standard	UNI EN ISO 13982-1:2011
Number of prototypes tested	1
Size	L
Test began on: 01/10/2019	Test ended on: 01/10/2019

Results for sample 19LA21088 *	UM	result
Requirement		
Chemical protective clothing provides protection to at least the trunk, arms and legs of a one-piece coverall or a two-piece suit (hood with visor and/or foot protection)		compliant

(*): no accredited by Accredia

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Issue date
03/10/2019

PPE Laboratory Manager
dott.ssa Valeria Marangoni

End of Test Report **19RA13608**