Salopete Certificate

Îmbrăcăminte de protecție pentru laboratoare, camera curate si împotriva agenților infecțioși

Sample Definition	Protective clothing -protective clothing against infective agents (Type 3, Type 4, Type 5, Type 6)	
Standards	EN 14126, EN 14325, EN 13982-1, EN 13034, EN 14605	
		
		

MultiLab SRL Romania :: info@multilab.ro www.multilab.ro

Product Data Sheet - Standard Report

EN 14126					
Item No	**Necessity**	**Requirement**			
1.	**Requirements**				
1.1	**Materials requirements**				
1.1.1	**General**				
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.		Product models are not cleanable. It is disposable.			
		☒ *Fulfilled*	☐ *Unfulfilled*	☐ N/A.	
1.1.2	**Mechanical and flammability requirements**				
The materials shall be tested and classified in accordance with the test methods and performance classification system specified in the relevant clauses of EN 14325.					

Test Methods & Performence Classification of Chemical Protective Chothing EN 14325					
	Abrasive Resistance	Flex Cracking	Trapezoidal Tear	Tensille Strength	Puncture Resistance
Test Method	EN 530	EN ISO 7854	EN ISO 9073-4	EN ISO 13934-1	EN 863
Unit Of Measurement	Cycles	Cycles	Newton	Newton	Newton
Class 6	>2,000	>100,000	>150 N	>1,000N	>250N
Class 5	>1,500 <2,000	>40,000<100,000	>100 <150	>500 <1,000	>150 <250
Class 4	>1,000 <1,500	>15,000 <40,000	>60 <100	>250 <500	>100 <150
Class 3	>500 <1,000	>5,000 <15,000	>40 <60	>100 <250	>50 <100
Class 2	>100 <500	>2,500 <5,000	>20 <40	>60 <100	>10 <50
Class 1	>10 <100	>1,000 <2,500	>10 <20	>30 <60	>5 <10

Abrasive Resistance:
Flex Cracking:
Trapezoidal Tear:
Tensille Strength:
Puncture Resistance:

Average	Sample1	Sample2
Abrasive Resistance	2.050	2.040
Flex Cracking	110.000	120.000
Trapezoidal Tear	170	180
Tensille Strength	1150	850
Puncture Resistance	260	240

Class 5 to 6

☒ *Fulfilled*	☐ *Unfulfilled*	☐ N/A.

1.1.3	**Chemical Requirements**	
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 EN 14325	It is used against pathogenic organisms.	
	☐ *Fulfilled*	☐ *Unfulfilled* ☒ N/A

1.1.4	Performance Requirements Against Penetration By İnfective Agents
1.1.4.1	Resistance To Penetration By Contaminated Liquids Under Hydrostatic Pressure

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 test (ISO/FDIS 16604).

(Tests resistance to infectious agents that are transmitted in pressurised liquids such as body fluids)

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
Class 6	20 kPa
Class 5	14 kPa
Class 4	7 kPa
Class 3	3,5 kPa
Class 2	1,75 kPa
Class 1	0 kPa

[a)] This means that the material is only exposed to the hydrostatic pressure of the liquid in the test cell

Resistance to penetration by contaminated liquids under hydrostatic pressure.	Class: 6 (24.50 kPa)		
	☒ *Fulfilled*	☐ *Unfulfilled*	☐ N/A

1.1.4.2	Resistance to penetration by infective agents due to mechanical contact with SUbstances containing contaminated liquids.

When tested in accordance with Annex A the material shall be classified according to the levels of performance given in Table 2.

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

Class	Breakthrough time, t min.
Class 6	t > 75
Class 5	60 < t ≤75
Class 4	45 < t ≤ 60
Class 3	30 < t ≤ 45
Class 2	15 < t ≤ 30
Class 1	≤ 15 dakika

Breakthrough time	t:65 / t:78 (Class 5 to 6)		
	☒ *Fulfilled*	☐ *Unfulfilled*	☐ N/A

1.1.4.3	Resistance to penetration by contaminated liquid aerosols

When tested in accordance with ISOIDIS 22611 the material shall be classified according to the levels of performance given in Table 3.

Table 3 - Classification of resistance to penetration by contaminated liquid aerosols.	
Class	Penetration ratio (log)
Class 3	log > 5
Class 2	3 < log ≤ 5
Class 1	1 < log ≤ 3

Resistance to penetration by contaminated liquid aerosols	Class 3 (Log 8.00)		
	☒ *Fulfilled*	☐ *Unfulfilled*	☐ N/A

1.1.4.4	Resistance to penetration by contaminated solid particles.

When tested in accordance with ISOIDIS 22612 the material shall be classified according to the levels of performance given in Table 4.

Table 4 - Classification of resistance to penetration by contaminated solid particles.	
Class	Penetration (log cfu)
Class 3	≤1
Class 2	1 < log cfu ≤ 2
Class 1	2 < log cfu ≤ 3

Resistance to penetration by contaminated solid particles.	Class 3 (0.68)		
	☒ *Fulfilled*	☐ *Unfulfilled*	☐ N/A

1.2	Performance requirements for clothing with liquid

EN 14605
Protective clothing against liquid chemicals - Performance requirements for clothing with liquid

Requirement	Assessment and Conclusion
Type:3 Jet Test Method: Method defined by EN ISO 17491 - 3:2008	PASS (To Type 3)
Type 4 Spray Test Method: Method defined by EN ISO 17491 - 4:2008 Method:B	PASS (To Type 4)

1.2	Performance requirements for seams, joins and assemblages

Seams, joins and assemblages of protective clothing against infective agents shall ful'fil the requirements specified in the relevant clauses of EN 14325 Seam strength shall be classified according to 5.5 of EN 14325

Three flat specimens will be tested from each stitch type and three specimen sets will be calculated.

Garment stitching performance should be classified according to the performance levels given in Table 13 using the lowest result, the weakest stitch type.

The test method described in EN ISO 13935-2 applies to straight seams joining two pieces of material.

Table 13 - Classification of seam strength	
Class	Seam strength (N)
Class 6	> 500
Class 5	> 300
Class 4	> 125
Class 3	> 75
Class 2	> 50
Class 1	> 30

Classification of seam strength:	520 N (Class 6), 340 N (Class 5)		
	☒ *Fulfilled*	☐ *Unfulfilled*	☐ N/A

1.2	Whole requirements

Protective clothing against infective agents shall fulfil the relevant requirements of EN ISO 13688 and the whole suit requirements specified in the relevant standard for chemical protective clothing.

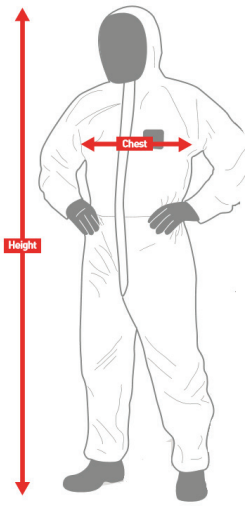
Type of clothing	Relevant standard
Type 1a, Tip 1b, Tip 1c, Tip 2	EN 943-1 (EN 943-2)
Type 3	EN ISO 17491-3
Type 4	EN ISO 17491-4
Type 5	EN ISO 13982-1
Type 6	EN 13034
Partial body protection	EN 467

The sample meets the standard requirements. (EN ISO 13982-1, EN 13034, EN 14605) (After testing in accordance with the movements defined in clause 4.3.2 of EN ISO 13982-1: 2004, no damage to the suit was observed.)

☒ *Fulfilled*	☐ *Unfulfilled*	☐ N/A

The materials and design used shall not cause skin irritation nor have any adverse effect to health.	The materials and design used shall not cause skin irritation nor have any adverse effect to health.		
	☒ *Fulfilled*	☐ *Unfulfilled*	☐ N/A

Size chart



	*Chest	*Height
S	113 – 115	175 – 177
M	115 – 117	177 – 179
L	117 – 119	179 – 181
XL	119 – 121	181 – 183
2XL	121 – 123	183 – 185
3XL	123 – 125	185 – 187

* (cm)

The sample meets the standard tolerance requirements.

☒ *Fulfilled*	☐ *Unfulfilled*	☐ N/A

2	**Marking**

Marking should be appropriate.

Appropriate marking was observed on the sample.

☒ *Fulfilled*	☐ *Unfulfilled*	☐ N/A

3	**Information supplied the manufacturer**

User information must be provided.

User instructions are seen.

☒ *Fulfilled*	☐ *Unfulfilled*	☐ N/A

- This document has been prepared at the request of the company.
- The conformity of the information and values given to the standard has been reported.
- This evaluation has been checked for compliance with the requirements of the standard.
- Engineering service was provided with this report.