

Test Report

Test Owner name / address UNIVERSAL CERTIFICATION and SURVEILLANCE SERVICES TRADE CO.
Necip Fazil Bulvarı Keyap Sitesi E2 Blok No:44/84 Yukarı Dudullu Umraniye,
İstanbul / TURKEY

Manufacturer name/address NARKONTEKS TEKSTİL İHR. İTH. SAN. VE TİC. A.Ş.

Name and identity of the test item Protective Clothes

The date of receipt of the test item 06.10.2020

Brand name – model -

Date of the test 07.10.2020

Sample Number GTTS-0067-1, GTTS-0067-2, GTTS-0067-3

Number of pages of the report 8

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The test and/or measurement results, the uncertainties (if applicable) with confidence probability and test methods are given on the following pages which are part of this report.

Date/Seal
07.10.2020

Head of Testing Laboratory
Sebahattin ÇAY



This report only applies to the sample tested.

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1. Documentation

1.1 Description of the EUT

All samples tested

Test samples subject to the test

Product Name	Samples No	Sample Size	Type	Application Tests
Protective Clothing	GTTS-0067-1	L	Type 4	Pre-exercise Test- Spray Test
Protective Clothing	GTTS-0067-2	L	Type 4	Pre-exercise Test- Spray Test
Protective Clothing	GTTS-0067-3	L	Type 4	Pre-exercise Test-Spray Test

1.2 Environmental Condition, Symbol Definitions

- Test case does not apply to the test object: N/A
- Test object meets the requirement.....: P (Pass)
- Test object does not meet the requirement.... : F (Fail)
- Environmental Conditions: °C , % RH, m/s

1.3 Test Standards

EN 14605+A1:2009 Protective clothing against liquid chemicals - Performance requirements for clothing with liquid-tight (Type 3) or spray-tight (Type 4) connections, including items providing protection to parts of the body only (Types PB [3] and PB [4])

EN ISO 17491-4 protective clothing – test methods for clothing providing protection against chemical – part 4: Determination of resistance to penetration by a spray of liquid (spray test)



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2. Test Result

Clause	Requirement	Result – Remark	Verdict
4.3.2	Pre-Conditioning		
	Prior to testing, the chemical protective clothing shall be cleaned, if the manufacturer's instructions indicate that cleaning is allowed. Manufacturer's instructions with regard to number of cleaning cycles, cleaning procedures and possible reapplication of treatments shall be observed. If no maximum number of cleaning cycles is indicated, the clothing shall undergo five cleaning cycles.	Protective clothing are, it's was come in the form of plastic packing by the company. For this reason, no additional cleaning was performed with the suggestion of the company.	PASS
4.3.3	Conditioning		
	Protective clothing against all chemicals must be conditioned for at least 24 hours under the same conditions used for the experiment.	All products are conditioned at 24 C° 50% Rh values for 24 hours.	PASS
4.3.4	Resistance to the penetration of liquids		
4.3.4.1	General and Pre-test		
	Pre-Test	-There are no preventing factors. -No tearing or deformation was observed in the samples Test details are given in table 1.	PASS
4.3.4.2	Resistance to the penetration of liquids (SprayTest)	Type 4	
EN ISO 17491-4 Article 9	Remove respirator and gloves first before opening the test garment. Remove the chemical protective clothing carefully in order to avoid contamination of the absorbent overall and examine the internal surface of the test garment for signs of penetration, paying special attention to openings, seams, closures and zippers. Mark them.	Three test clothes were dressed tested together with the white absorbent underwear. Regions passing liquid are given in figure 1.	PASS
Clouse 4.3.3.2	Any underwear, of each garment suit. The total stain area on it should not be more than three times the calibrated total stain area.	Calibration stain area: measured as 4.56 cm². Sum of stains on the inner white garment given in table 2	PASS

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Table 1

Clause	Requirement	Pre-Experiment		Liquid Experiment 1		Liquid Experiment 2		Liquid Experiment 3	
		PASS	FAİL	PASS	FAİL	PASS	FAİL	PASS	FAİL
	Starting from a standing position in each case, carry out the following movement sequence:								
Movement 1	Kneel on both knees, lean forward and place both hands on the floor (45 ± 5) cm in front of the knees; crawl forward and backwards on hands and knees for a distance of three metres in each direction;	✓		✓		✓		✓	
Movement 2	Climb a vertical ladder at least four steps, rungs to be as encountered on a typical ladder;	✓		✓		✓		✓	
Movement 3	Position hands at chest level, palms out; reach directly overhead, interlock thumbs, extend arms fully upwards;	✓		✓		✓		✓	
Movement 4	Kneel on right knee, place left foot on floor with left knee bent (90 ± 10) °; touch thumb of right hand to toe of left shoe. Repeat movement with alternate posture, i.e. by kneeling on left knee and placing the right foot on the floor with knee bent at 90°.	✓		✓		✓		✓	
Movement 5	Extend arms fully in front of body, lock thumbs together, twist upper body (90 ± 10) ° left and right.	✓		✓		✓		✓	
Movement 6	Stand with feet shoulder width apart, arms at side; raise arms until they are parallel to the floor in front of the body; squat down.	✓		✓		✓		✓	
Movement 7	Kneel as in movement 4, left arm hanging loosely at side; raise arm fully overhead. Repeat movement with alternate posture by alternating arms.	✓		✓		✓		✓	



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Pre-experiment 1	i.ç Height: 182 cm Weight: 65 kg
Liquid Experiment 1	i.ç
Liquid Experiment 2	i.ç
Liquid Experiment 3	i.ç

Table 2

SPREY EXPERIENCE						
	UPPER BODY			LOWER BODY		SUM
	Chest (cm ²)	Shoulder (cm ²)	Back (cm ²)	Front (cm ²)	Back (cm ²)	
GTTS-0067						
Sample 1	-	-	4,8	-	-	4,8
Sample 2	-	-	-	9,8	1,2	11
Sample 3	-	-	-	-	-	0



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3. Attachments

3.1 Photos of EUT



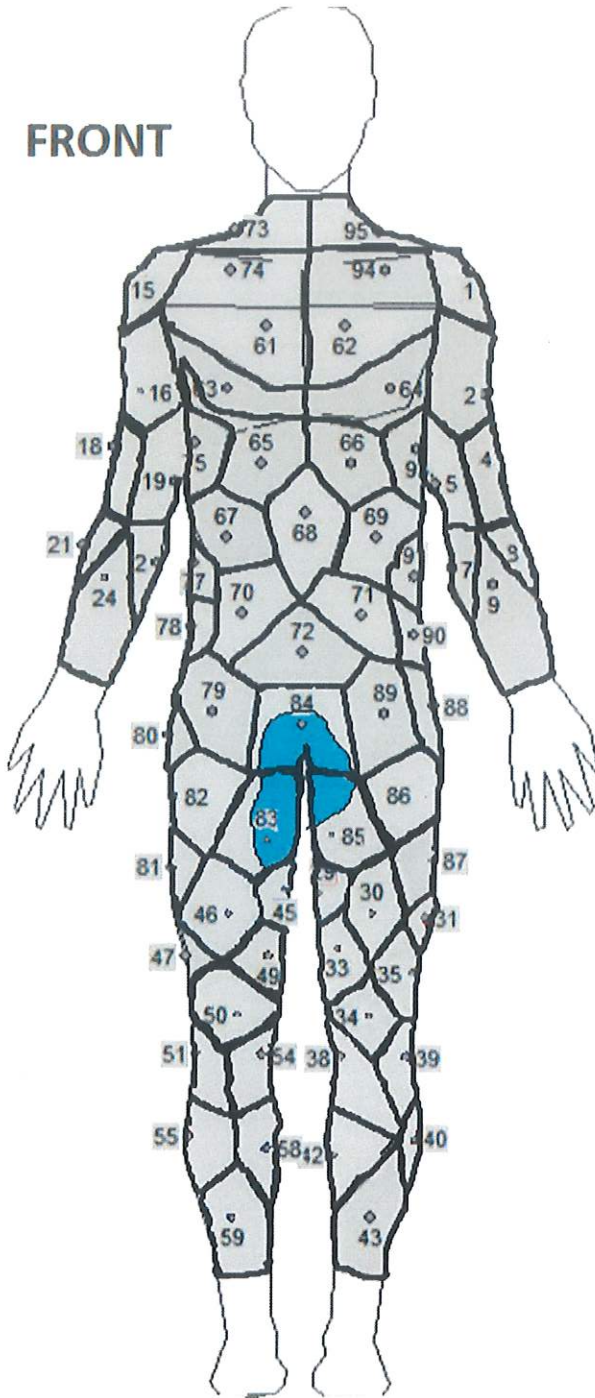
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FRONT



BACK

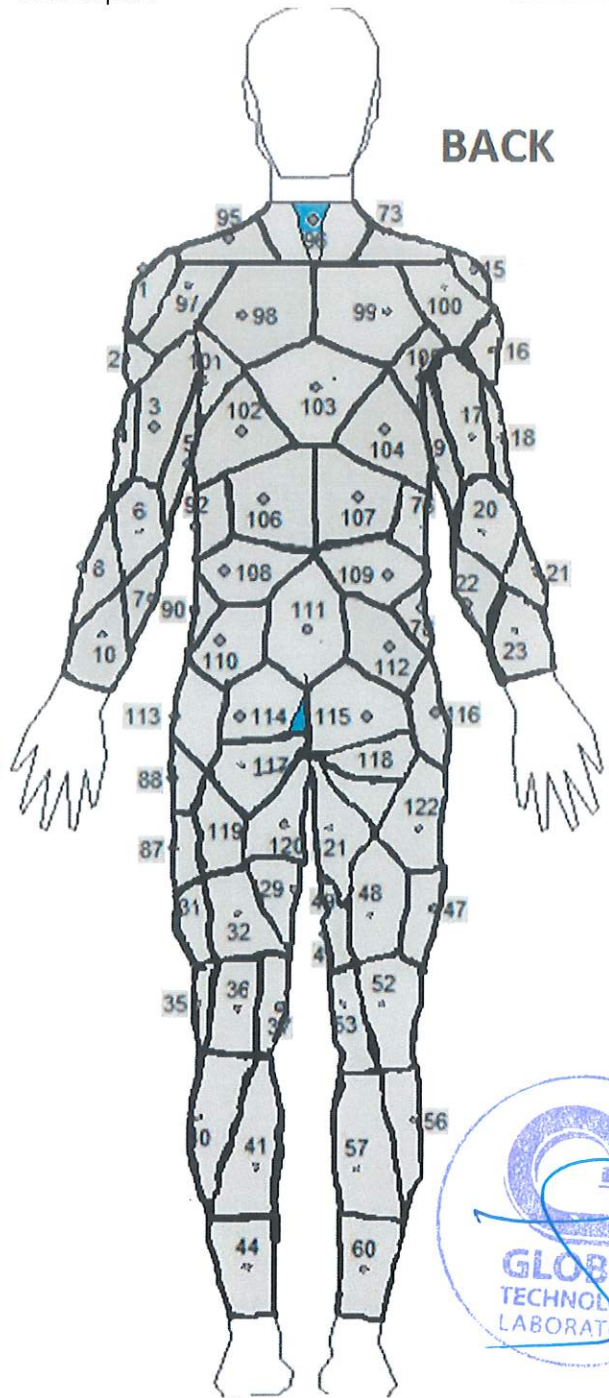


Figure 1 Regions passing liquid

