

**GCNTR ULUSLARARASI BELGELENDİRME, GÖZETİM, EĞİTİM VE DIŞ TİC. LTD. ŞTİ.**  
Atak Plaza-Tavukçuyolu Cad. Demirtürk Sok. No:10 Yukari Dudullu Umraniye, İstanbul / TURKEY

**TEST REPORT**

**Report Date:** 30.07.2020  
**Report Number:** GTL-TLM-0045A/20

**CLIENT and SAMPLE INFORMATION**

TEST OWNER	UNIVERSAL CERTIFICATION and SURVEILLANCE SERVICES TRADE CO		
ADDRESS	Necip Fazıl Bulvarı Keyap Sitesi E2 Blok No:44/84 Yukari Dudullu Umraniye, İstanbul / TURKEY		
MANUFACTURER	NARKONTEKS TEKSTİL İHR.İTH.SAN. VE TİC. A.Ş.		
ADDRESS	-		
SAMPLE DESCRIPTION	Protective Clothes		
BRAND NAME – MODEL	-		
TESTING STANDARD	EN 13982-1:2018		
SAMPLE RECEIVE DATE	30.06.2020	TESTING START DATE	03.07.2020

The results given in this test report belongs to the samples tested. The report content cannot be recreated partially without the written consent of GCNTURK.

Mr. Sebahattin ÇAY  
General Coordinator



## 1. REPORT SUMMARY

TEST STANDARD	TEST NAME	RESULT
EN 13982-1:2018 clause 4.3.2 ISO 13982-2	Inward Leakage Testing	Pass



## 2. TEST RESULTS and EVALUATION

### 4.3.2 Inward leakage of aerosols of solid particles

#### Test Method: ISO 13982-2

Temperature and relative humidity measurements were recorded in the test chamber immediately after each test and these ranged from 20.2 to 22.5 °C and 30.2 to 34.8%, respectively

Before testing a suit according to ISO 13982-2, the subject shall be except that he must repeat the following three rows of moves three times:

- Movement 1: Both knees collapse, lean forward and hands are placed on the floor at a distance of 45 cm from the front of the knees. It is crawled forward on the hands and knees for 3 m and the same distance is crawled back again.

- Movement 2: Standing with feet wide and arms on the side. Arms in front of the body

It is removed until it is parallel to the ground. It crouches down as much as possible.

- Movement 3: Kneel down on the right knee, knee bent 90° and place the left foot on the ground, hang loosely from the edge with the left arm. The left arm is lifted completely over the head

REQUIREMENT	RESULTS	COMMENT
Ljmn,82/90 ≤ % 30, LS,8/10 ≤ % 15.	Pass	Detail refer to Annex I In response to the question "does the suit fit", all test subjects answered "Yes". After testing in accordance with the movements defined in clause 4.3.2 of EN 13982-1 : 2018, no damage to the suit was observed.



# Annex I-Test Result:

Table 1 NaCl inward leakage (%) individual results

Wearer	Position	Knee	Waist back	Chest	Average
1	Stand	9,74	10,85	7,36	9,32
	Walk	10,26	6,24	6,17	7,56
	Squat	12,84	11,80	8,33	10,99
	Average	10,95	9,63	7,29	9,29
1	Stand	8,71	8,53	7,55	8,26
	Walk	10,05	10,43	9,77	10,08
	Squat	13,43	10,98	10,51	11,64
	Average	10,73	9,98	9,28	9,99
2	Stand	10,47	5,14	5,19	6,93
	Walk	8,08	9,18	8,82	8,70
	Squat	11,14	8,85	13,30	11,10
	Average	9,90	7,72	9,11	8,91
2	Stand	10,11	5,68	9,79	8,53
	Walk	8,28	10,98	10,80	10,02
	Squat	9,06	11,23	8,54	9,61
	Average	9,15	9,30	9,71	9,39
3	Stand	8,62	7,71	5,21	7,18
	Walk	9,04	8,33	10,79	9,38
	Squat	10,89	12,81	9,13	10,94
	Average	9,52	9,62	8,37	9,17
3	Stand	8,00	10,59	9,93	9,50
	Walk	6,93	9,32	9,04	8,43
	Squat	13,82	13,48	10,02	12,44
	Average	10,38	11,13	9,66	10,26
4	Stand	5,79	7,31	8,90	7,34
	Walk	6,82	6,68	11,69	8,40
	Squat	11,95	13,33	10,87	12,05
	Average	8,19	9,11	10,49	9,26
4	Stand	6,69	10,91	5,24	7,62
	Walk	8,14	10,52	6,26	8,30
	Squat	9,21	10,52	13,37	11,03
	Average	8,01	10,65	8,29	8,98
5	Stand	9,77	10,45	9,20	9,81
	Walk	11,29	7,20	6,68	8,39
	Squat	12,42	13,39	13,49	13,10
	Average	11,16	10,35	9,79	10,43
5	Stand	5,09	8,38	5,72	6,39
	Walk	6,06	7,10	8,23	7,13
	Squat	13,76	10,73	9,94	11,48
	Average	8,30	8,73	7,96	8,33



Table 2: Total inward leakage (%) (overall average, all wearers)

Position	Knee	Waist back	Chest	Average
Stand	8,19	8,56	7,41	8,05
Walk	9,18	8,60	8,82	8,87
Squat	11,85	11,71	10,75	11,44
Average	9,74	9,62	8,99	9,45

Table 3: Total inward leakage per test subject

Wearer	Average
1	9,64
2	9,15
3	9,71
4	9,12
5	9,38
Average	9,40

The physical dimensions of the wearers are shown below:

Wearer	Height (cm)	Chest (cm)	Suit size
1	182	104	L
2	183	99	L
3	182	95	L
4	186	98	L
5	184	97	L

Pass	Requirement satisfied.
NCR	Requirement not satisfied. Refer to the "Result details" section for more information.
NAs	Assessment not carried out.
N/A	Requirement not applicable.



Sample Photo



- End of Report -

