

# Zertifizierungen

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MEDICAL COSMETIC



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# CERTIFICATE

Bu Kalite Yönetim Sistem Sertifikası:

NİNOVA NÖROTEKNOLOJİ ARAŞTIRMA GELİŞTİRME SAN. VE TİC. LTD. ŞTİ.

KONAK MAH. ÜNİVERSİTE BULVARI NO:127/1 ŞAHİNBEY  
GAZİANTEP - TÜRKİYE

Firmasının Kalite Yönetim Sisteminin Uygunluğunu belgelemek amacıyla verilmiştir. Sertifika,

## ISO 9001 : 2015

Standardı ve Aşağıdaki Yönetim Sistemi Kapsamı İçin Geçerlidir.

AKTİF İMPLANTE EDİLEBİLİR BEYİN PİLLERİ VE AKSESUARLARI,  
CERRAHİ MASKELER, KORUYUCULAR, CERRAHİ ÖRTÜ VE ÖNLÜKLER İLE  
CERRAHİ EL ALETLERİNİN ÜRETİMİ, SATIŞI, PAZARLANMASI, İTHALAT VE İHRACATI

Sertifika No : 1301  
Denetim Tarihi : 19.03.2020  
Tescil Tarihi : 14.05.2020

Yeniden Basım Tarihi : -  
Geçerlilik Tarihi : 13.05.2021

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MANAGEMENT SYSTEM  
ISO/IEC 17021-1:2015  
NAC-011-MS

FR 32/02.04.2020/REV.04

## ISO 9001

KALİTE  
YÖNETİM  
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GAZİANTEP - TURKEY

In Recognition of the Organisation's Management System which complies with:

**ISO 9001 : 2015**

For the Scope of Activities described below:

PRODUCTION, SALES, MARKETING, EXPORT AND IMPORT OF  
ACTIVE IMPLANTABLE BRAIN BATTERIES AND ACCESSORIES, SURGICAL MASKS,  
PROTECTORS, SURGICAL COVERS AND APRONS, SURGICAL HAND TOOLS

Certificate No : 1301  
Date of Audit : 19.03.2020  
Date of Registration : 14.05.2020

Reissue Date : -  
Expiry Date : 13.05.2021

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**ISO 9001**

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Bu Tıbbi Cihazlar Kalite Yönetim Sistem Sertifikası:

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## ISO 13485 : 2016

Standardı ve Aşağıdaki Yönetim Sistemi Kapsamı İçin Geçerlidir.

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CERRAHİ EL ALETLERİNİN ÜRETİMİ, SATIŞI, PAZARLANMASI, İTHALAT VE İHRACATI

Sertifika No : 4175

Denetim Tarihi : 19.03.2020

Tescil Tarihi : 14.05.2020

Yeniden Basım Tarihi : -

Geçerlilik Tarihi : 13.05.2021

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ISO 13485

KALİTE  
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## EC DECLARATION OF CONFORMITY AT UYGUNLUK BEYANI

**Üretici Manufacturer:** NİNOVA NÖROTEKNOLOJİ ARAŞTIRMA GELİŞTİRME SAN.VE TİC.LTD.ŞTİ.  
**Adres /Address:** KONAK MAH. ÜNİVERSİTE BLV. 127 1 ŞAHİNBEY/ GAZİANTEP/ TÜRKİYE  
**Telefon / Phone:** +90 342 336 36 20  
**Email :** [info@ninoa.io](mailto:info@ninoa.io)

### ÜRÜN İSMİ VE TİPLERİ / PRODUCT NAME AND TYPES

KORUYUCU ÖNLÜK / PROTECTIVE GOWN -CERRAHİ ÖNLÜK (TEK KULLANIMLIK) / SURGICAL GOWN/DISPOSABLE) HASTA ÖNLÜĞÜ / PATIENT GOWN - ZİYARETÇİ ÖNLÜĞÜ / VISITOR APRON -BOX ONLOGO/BOX APRON - AMELİYAT ÖNLÜĞÜ / SURGICAL GOWN- DOKTOR ÖNLÜĞÜ/DOCTOR GOWN CERRAHİ ÖNLÜK / SURGICAL GOWN

### BEYAN/STATEMENT

Burada, AB tarafından sınıflandırılan Üretici, Dağıtıcı ve Temsilci olarak kendi sorumluluğumuzun altında, yukarıda ismi ve modeli geçen ürünlerin, 93/42/EEC Tıbbi Cihaz Direktifi ve yönetmeliklerine ve EK-1 Temel Gereklere uygun olarak gerektiğini beyan ederiz.

Here, we declare that the products listed above are manufactured under our own responsibility as a Manufacturer, Distributor / Representative by the EU, in accordance with the 93/42/EEC Medical Device Directive and regulations.

### ÜRÜNÜN MARKASI / PRODUCT BRAND



### DİREKTİF VE YÖNETMELİKLER / DIRECTIVES AND REGULATIONS

93/42/EEC Tıbbi Cihaz Direktifi / 93/42/EEC Medical Device Directive

### HARMONİZE STANDARTLAR / HARMONIZED STANDARDS

**93/42/EEC-** Tıbbi Cihaz Yönetmeliği SINIF I (Steril Olmayan) Medical Devices Regulation / Class I (Non Sterile)  
**TS EN 13795-1** Cerrahi Giysiler Ve Örtüler - Gereklilikler Ve Deney Yöntemleri - Bölüm 1: Cerrahi Örtüler Ve Önlükler  
Surgical Clothing And Drapes - Requirement And Test Methods - Part 1: Surgical Drapes And Gowns  
**TS EN 14126** Protective clothing - Performance requirements and tests methods for protective clothing against infective agents  
**TS EN ISO 13485** Tıbbi Cihazlar - Kalite Yönetim Sistemleri - Düzenleyici Amaçlar için Gereklilikler  
Medical Devices - Quality Management Systems - Requirements For Regulatory Purposes  
**TS EN ISO 15223-1** Tıbbi Cihazlar - Tıbbi Cihaz Etiketlerinde. Etiketlemede ve Sunulacak Bilgide Kullanılacak Semboller - Bölüm 1: Genel Gerekliler / Medical Devices - Symbols To Be Used With Medical Device Labels, Labeling And Information To Be Supplied - Part 1: General Requirements  
**TS EN 1041+A1** Tıbbi Cihaz İmalatçıları Tarafından Sağlanan Bilgiler / Information Supplied By The Manufacturer Of Medical

**Sertifika Tarihi /Certificate Date:** 22.05.2020  
**Sertifika Bitiş Tarihi /Certificate Expiration Date:** 22.05.2021

**Accredited System Certification Approval**

**GENEL MÜDÜR**  
**HALİL AHMET YAMAN**

CERTIFICATE / ЗЕРТИФІКАТ / СВИДЕТЕЛЬСТВО / СЕРТИФИКАТ / CERTIFICATO / CERTIFIKA



## TEST REPORT DECLARATION

Applicant :NINOVA NOROTEKNOLOJI ARASTIRMA VE GELISTIRME SAN. VE TIC.LTD. STI  
Address :Konak Mah. Universite Bulv. 127/1 Sahinbey / Gaziantep /TURKEY  
  
Manufacturer :Konak Mah. Universite Bulv. 127/1 Sahinbey / Gaziantep /TURKEY  
Address  
  
EUT Description :NINOVA GOWN  
Model No. :001  
Remark :N/A

Test Procedure Used:


EN 14126:2003+AC:2004, EN ISO 13982-1:2004+A1:2010

The results of this test report are only valid for the mentioned equipment under test. The test report with all its sub-reports, e.g. tables, photographs and drawings, is copyrighted. Unauthorized utilization, especially without permission of the test laboratory, is not allowed and punishable. For copying parts of the test report, a written permission by the test laboratory is needed.

The test results of this report relate only to the tested sample identified in this report.


Date of Test 22 / 06 / 2020

Prepared by


  
(Jack)

Checked by

 MTS - Modern Testing Services

  
(Gina)

Approved by

  
(Johnson)

PPE TEST REPORT

For

NINOVA NOROTEKNOLOJI  
ARASTIRMA VE GELISTIRME SAN. VE TIC. LTD. STI

Prepared By : Modern Testing Services (Global) Ltd  
Modern Testing Services (International) Ltd By  
Ekoteks

Unit 808, CEO Tower, 77 Wing Hong Street  
Cheung Sha Wan, Kowloon, Hong Kong


Date of Test: 22/06/2020  
Date of Report: 28/06/2020

EN 14126:2003+AC:2004			
Clause	Requirement-Test	Result-Remark	Verdict
1	Scope		P
	This European Standard specifies requirements and test methods for re-usable and limited use protective clothing providing protection against infective agents. Clothing worn by surgical teams or drapes laid on patients to prevent cross-contamination during surgical interventions are not covered by the scope of this standard.		
2	Normative references		P
	This European standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).		
3	Terms and definitions		P
	For the purposes of this European Standard, the terms and definitions of prCEN ISO/TR 11610:2003 and the following terms and definitions apply.		P
4	Requirements		P
4.1	Materials requirements		P
	4.1.1 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. If the care instructions specify a lower number of cleaning/reprocessing cycles, then materials shall be submitted to the number of cleaning/reprocessing cycles indicated. Unless otherwise stated in the relevant test procedure, the specimens shall be conditioned for at least 24 h in an atmosphere of (20 ±2) °C and (65 ±5) % relative humidity before testing. Tests shall be carried out in the same atmosphere or within 5 min of removing the sample from the conditioning atmosphere.		P
	4.1.2 Mechanical and flammability requirements The materials shall be tested and classified in		P

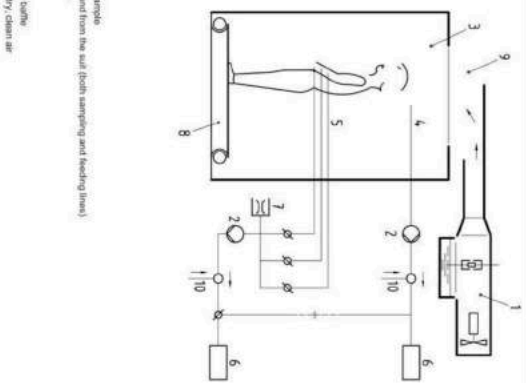


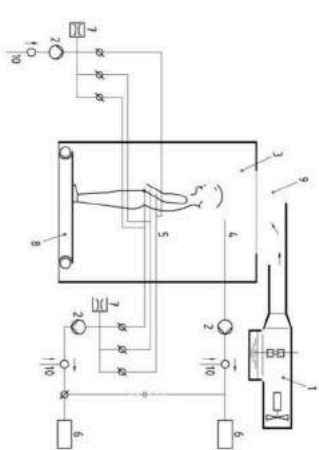
EN 14126:2003+AC:2004																	
Clause	Requirement-Test	Result-Remark	Verdict														
	accordance with the test methods and performance classification system specified in the relevant clauses of prEN 14325.																
	4.1.3 Chemical requirements If protection against chemicals is claimed, the materials shall be tested and classified in accordance with the test methods and performance classification system specified in the relevant clauses of prEN 14325.		P														
	4.1.4 Performance requirements against penetration by infective agents 4.1.4.1 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).		P														
	<b>Table 1 — Classification of resistance to penetration by contaminated liquids under hydrostatic pressure (ISO/FDIS 16604)</b> <table><tr><th>Class</th><th>Hydrostatic pressure at which the material passes the test</th></tr><tr><td>6</td><td>20 kPa</td></tr><tr><td>5</td><td>14 kPa</td></tr><tr><td>4</td><td>7 kPa</td></tr><tr><td>3</td><td>3,5 kPa</td></tr><tr><td>2</td><td>1,75 kPa</td></tr><tr><td>1</td><td>0 kPa <sup>a</sup></td></tr></table> <p><sup>a</sup> this means that the material is only exposed to the hydrostatic pressure of the liquid in the test cell</p>		Class	Hydrostatic pressure at which the material passes the test	6	20 kPa	5	14 kPa	4	7 kPa	3	3,5 kPa	2	1,75 kPa	1	0 kPa <sup>a</sup>	
Class	Hydrostatic pressure at which the material passes the test																
6	20 kPa																
5	14 kPa																
4	7 kPa																
3	3,5 kPa																
2	1,75 kPa																
1	0 kPa <sup>a</sup>																
	4.1.4.2 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.		P														
	<b>Table 2 — Classification of resistance to penetration by infective agents due to mechanical contact with substances containing contaminated liquids</b> <table><tr><th>Class</th><th>Breakthrough time, <i>t</i> min</th></tr><tr><td>6</td><td><i>t</i> &gt; 75</td></tr><tr><td>5</td><td>60 &lt; <i>t</i> ≤ 75</td></tr><tr><td>4</td><td>45 &lt; <i>t</i> ≤ 60</td></tr><tr><td>3</td><td>30 &lt; <i>t</i> ≤ 45</td></tr><tr><td>2</td><td>15 &lt; <i>t</i> ≤ 30</td></tr><tr><td>1</td><td>≤ 15 min</td></tr></table>		Class	Breakthrough time, <i>t</i> min	6	<i>t</i> > 75	5	60 < <i>t</i> ≤ 75	4	45 < <i>t</i> ≤ 60	3	30 < <i>t</i> ≤ 45	2	15 < <i>t</i> ≤ 30	1	≤ 15 min	
Class	Breakthrough time, <i>t</i> min																
6	<i>t</i> > 75																
5	60 < <i>t</i> ≤ 75																
4	45 < <i>t</i> ≤ 60																
3	30 < <i>t</i> ≤ 45																
2	15 < <i>t</i> ≤ 30																
1	≤ 15 min																
4.1.4.3 Resistance to penetration by contaminated			P														

EN 14126:2003+AC:2004											
Clause	Requirement-Test	Result-Remark	Verdict								
	liquid aerosols When tested in accordance with ISO/DIS 22611 the material shall be classified according to the levels of performance given in Table 3.										
	<b>Table 3 — Classification of resistance to penetration by contaminated liquid aerosols</b> <table><tr><th>Class</th><th>Penetration ratio (log)</th></tr><tr><td>3</td><td><math>\log &gt; 5</math></td></tr><tr><td>2</td><td><math>3 &lt; \log \leq 5</math></td></tr><tr><td>1</td><td><math>1 &lt; \log \leq 3</math></td></tr></table>	Class	Penetration ratio (log)	3	$\log > 5$	2	$3 < \log \leq 5$	1	$1 < \log \leq 3$		P
Class	Penetration ratio (log)										
3	$\log > 5$										
2	$3 < \log \leq 5$										
1	$1 < \log \leq 3$										
	4.1.4.4 Resistance to penetration by contaminated solid particles. When tested in accordance with ISO/DIS 22612 the material shall be classified according to the levels of performance given in Table 4.		P								
	<b>Table 4 — Classification of resistance to penetration by contaminated solid particles</b> <table><tr><th>Class</th><th>Penetration (log cfu)</th></tr><tr><td>3</td><td><math>\leq 1</math></td></tr><tr><td>2</td><td><math>1 &lt; \log cfu \leq 2</math></td></tr><tr><td>1</td><td><math>2 &lt; \log cfu \leq 3</math></td></tr></table>	Class	Penetration (log cfu)	3	$\leq 1$	2	$1 < \log cfu \leq 2$	1	$2 < \log cfu \leq 3$		
Class	Penetration (log cfu)										
3	$\leq 1$										
2	$1 < \log cfu \leq 2$										
1	$2 < \log cfu \leq 3$										
4.2	Performance requirements for seams, joins and assemblages		P								
	Seams, joins and assemblages of protective clothing against infective agents shall fulfil the requirements specified in the relevant clauses of prEN 14325 Seam strength shall be classified according to 5.5 of prEN 14325:2001.		P								
4.3	Whole suit requirements		P								
	Protective clothing against infective agents shall fulfil the relevant requirements of EN 340 and the whole suit requirements specified in the relevant standard for chemical protective clothing (see Table 5). The materials and design used shall not cause skin irritation nor have any adverse effect to health.		P								

EN 14126:2003+AC:2004			
Clause	Requirement-Test	Result-Remark	Verdict
	<b>Table 5 — Types of protective clothing against infective agents</b>		P
	Type of clothing	Relevant standard	
	type 1a, 1b, 1c, 2	EN 943-1 (EN 943-2 for ET suits)	
	type 3	EN 466	
	type 4	EN 465	
	type 5	p/EN ISO 13982-1	
	type 6	p/EN 13034	
	partial body protection	EN 467	
5	Marking		P
	The clothing shall be marked in accordance with the applicable requirements of the relevant standard for chemical protective clothing. The marking of protective clothing against infective agents shall contain the following additional information: a) the number of this European Standard; b) the type of protective clothing, as specified in Table 5, with the suffix “-B”, e.g. type 3-B; c) the pictogram “protection against biological hazard”		P
6	Information supplied by the manufacturer		P
	The information for the user shall be worded clearly and unambiguously and be understandable by a trained person. The information for the user of protective clothing against infective agents shall contain all the information required by EN 340 and by the relevant standard for that specific type of chemical protective clothing. In addition it shall contain the following information: a) the number of this European Standard; b) the type designation, e.g. type 3-B; c) the biological agents against which the protective clothing has been tested. This information shall be expressed as performance levels, as specified in 4.1.4.1 to 4.1.4.4 for the relevant types of biological challenge; d) all other relevant information on performance levels, preferably as a Table; e) the information necessary for trained persons about: application and limitations of use (temperature range, etc.); if relevant, checks to be carried out by the wearer before use; fitting and adjustments, and any accessories needed to provide the claimed level of protection; use; maintenance, cleaning and disinfection; storage; if relevant, a warning against problems likely to be encountered;		P

EN 14126:2003+AC:2004			
Clause	Requirement-Test	Result-Remark	Verdict
	if relevant, illustrations, part numbers and marking of spare parts, etc. disposal after use.		

4	Principle		--
	<p>A standard aerosol of sodium chloride particles is generated inside a test chamber in which a test subject, wearing the protective suit under test, carries out a predetermined sequence of test exercises. The inward leakage at each sampling position inside the suit is measured by means of flame photometry.</p> <p>The percentage inward leakage at each sampling position ( L Jimn ), the total inward leakage per suit ( L S ) and per test subject ( L H ), the total inward leakage per exercise ( L E ) and per sampling position ( L P ) and the mean total inward leakage ( L ) are calculated.</p>		P
5	Apparatus		--
5.1	Aerosol generator, flame photometer(s), one or two, and a test chamber, as described in EN 136.		P
5.2	Level treadmill, capable of operating at (5 ? 0,5) km/h, which is installed inside the chamber. The test arrangement used for the determination of inward leakage is shown schematically in Figures 1 and 2.		P
	 <p>Key</p> <ol style="list-style-type: none"> <li>1. aerosol generator</li> <li>2. pump</li> <li>3. chamber</li> <li>4. challenge aerosol</li> <li>5. test subject</li> <li>6. air flow to and from the suit (both sampling and feeding lines)</li> <li>7. photometer</li> <li>8. flow meter</li> <li>9. treadmill</li> <li>10. addition of dry, clean air</li> </ol> <p>Figure 1 — Test arrangement (schematic)</p>		--

	 <p>Key</p> <ol style="list-style-type: none"> <li>1. aerosol generator</li> <li>2. pump</li> <li>3. chamber</li> <li>4. challenge aerosol</li> <li>5. test subject</li> <li>6. air flow to and from the suit (both sampling and feeding lines)</li> <li>7. photometer</li> <li>8. flow meter</li> <li>9. treadmill</li> <li>10. addition of dry, clean air</li> </ol> <p>Figure 2 — Modified test arrangement for feeding suit-fitted dry clean air into tubes close to the sampling probes (schematic)</p>		--
5.3	Sodium chloride aerosol test agent, with a particle-size distribution, mean test-agent concentration and distribution inside the chamber as described in EN 136.		P
5.4	Adjustable pump and air lines, used for sampling air from the suit under test.		P
	<p>This pump is adjusted to deliver a sampling flow rate from inside the suit in the range of (2 ? 0,5) l/min. The flow shall be kept constant within ? 0,2 l/min. Depending on the type of photometer, it may be necessary to dilute the sample air with clean air. There shall be no condensation in tubes during testing. Condensation in the tubes can be avoided by feeding dry, clean air directly into the tubes upstream of where condensation occurs (see Figure 2), by heating of the tubes or by any other suitable means. One should take the dilution into account when calculating the concentration at the sampling point.</p>		P
5.5	Sampling probes, four, constructed as shown in Figure 3, one which shall be used to measure the challenge concentration and three, the concentration inside the suit. Each probe is fitted onto a length of suitable transparent plastic tube with an internal diameter of 4,0 mm.		P



	<p>Dimensions in millimetres</p> <p>Figure 3 — Sampling probe</p>		—
	<p>The three probes for measuring the concentration inside the suit shall be positioned close to the body of the test subject, at the following positions as shown in Figure 4:</p>		P
	<p>Key</p> <ol style="list-style-type: none"> <li>1. on the right chest</li> <li>2. at the back of the waist</li> <li>3. at knee height, inner</li> <li>4. Probe 2 is positioned on back.</li> </ol> <p>Figure 4 — Positions of the three sampling probes on body of test subject</p> <p>Especially in the case of two-piece suits and coveralls equipped with an elastic waistband or a belt worn over the suit, the positions of the sampling points should be carefully chosen. Sampling probes shall not be positioned directly onto the skin, but shall be fixed onto the underwear.</p> <p>The sampling lines to and from the sampling probes inside the suit shall be fixed close to the body of the test subject and shall pass through the material of the suit between 5 cm and 15 cm above one of the arm-cuffs in an airtight manner. The fixings of the sampling lines and the</p>		P

	<p>passthrough should have as little influence on the fit of the suit as possible and should not impair the</p>		
	<p>movements of the test subject.</p> <p>To ensure that there is no additional inward leakage into the suit, due to under-pressure created by extraction of the sample air, clean air shall be fed back into the suit at the same rate as sample air is pumped out, i.e. at (2 ? 0.5) l/min. This clean air shall be introduced through one of the other two sampling probes, according to the sequence of sampling given in Table 1. The necessary arrangements should be made to ensure that the air is injected in the right compartment of the suit, in particular in the case of two-piece suits or coveralls including a belt or elastic waistband, where there may be insufficient exchange of air between compartments.</p>		P
5.6	<p>Sampling system for the challenge aerosol.</p> <p>Separate from that sampling the test concentration in the suit, with a separate flame photometer if possible, in order to avoid contamination of the total inward leakage sampling lines.</p> <p>If a second photometer is not available, it is possible to determine the challenge concentration by a separate sampling system and the same photometer. However, sufficient time will then be required to allow the photometer to return to a stable background signal level before measuring total inward leakage.</p>		—
6	<p>Test procedure</p>		—
6.1	<p>Selection of test subjects</p> <p>For the test, persons shall be selected who are familiar with the use of this or similar protective equipment and whose medical history is known to be satisfactory. Before performing tests involving human subjects, account shall be taken of any national regulations concerning the medical history, examination or supervision of the test subject.</p> <p>The test subject shall wear close-fitting underwear (e.g. polyester/cotton long trousers and a T-shirt with long sleeves). The underwear shall be changed after each suit tested.</p> <p>The size of the suit shall be selected in accordance with the test subject's body dimensions and according to the manufacturer's instructions.</p> <p>Prior to the test, each suit shall be examined to ensure that it is in good working condition and that it can be used without hazard.</p>		P
6.2	<p>General test conditions</p>		—

	At least five test subjects shall test at least two suits per person, i.e., at least ten suits shall be tested.  The test subjects shall be asked to read the manufacturer's instructions and, if necessary, they shall be shown by the test supervisor how to wear the suit properly according to the instructions. The	P
6.3	Test sequence	--

	<p>The following test sequence shall be followed for each suit.</p> <ul style="list-style-type: none"> <li>-- Connect the tubing to the sampling points and dress the test subject in the suit, in accordance with the manufacturer's instructions. Ensure that the pass-through for the sampling tubes is as leaktight as possible. Let the test subject also put on additional equipment, such as boots, gloves, hood, mask, etc., in accordance with the manufacturer's instructions.</li> <li>If the manufacturer's instructions do not specify the need for additional equipment, then these should not be worn. However, the test subject may wear a suitable respiratory protective device, e.g. a filtering facepiece. In addition, if the manufacturer's instructions do not require the suit to be taped to any part of the body of the wearer (such as wrists and ankles) or to any additional item (e.g. gloves or boots) worn by the test subject, then these types of taping should not be done. It is recommended that all additional equipment be supplied by the manufacturer.</li> <li>-- Let the test subject enter the test chamber.</li> <li>-- Measure and report the concentration of the test agent before the generation of the aerosol inside the suit at all three sampling positions to ensure that, in all cases, the background concentration is at least one order of magnitude below the expected concentration during testing. If the background concentration is higher, investigate why and correct the problem. This may require preliminary testing.</li> <li>-- Start generating the test agent and allow the challenge concentration in the chamber to stabilize. Ensure that the test subject is standing still during this period. Measure and report the challenge concentration. If stabilization of</li> </ul>	P
--	--	---



	<p>challenge concentration in the chamber takes more than 1 min, the suit shall be ventilated to avoid penetration of particles into it. -- Measure the concentrations at the following sampling positions (see also Figure 4):</p> <ul style="list-style-type: none"> <li>-- knee (lateral),</li> <li>-- waist (back),</li> <li>-- chest (right):</li> </ul> <p>following the sampling sequence and the corresponding sequence of feeding clean air into the suit described in Table 1, whilst the test subject performs the test exercises in the following order:</p> <ol style="list-style-type: none"> <li>1) standing still,</li> <li>2) walking at 5 km/h,</li> <li>3) continuous squatting at a frequency of five squats per minute, between standing up straight and knees completely bent, while keeping both hands during all squats on a grip at a height of (1 ? 0,05) m above the standing surface.</li> </ol> <p>Allow for a 3 min rest (standing still) between the walking and the squatting exercises.</p> <p>During the test sequence 4, "stabilization between walking and squatting", concentrations should be measured but do not need to be reported. The time for each exercise at each sampling position shall be 3 min. The average concentration over the last 100 s of each exercise and at each of the sampling points shall be calculated and reported. Measurement of the average concentration is preferably made using an integrating recorder.</p> <p>Where the same photometer is used to measure both the challenge and the penetrating sodium chloride concentrations, the challenge concentration shall be measured and reported at the completion of the test sequence.</p> <p>The challenge concentration at the end of all test exercises shall be within ? 10% of the initial challenge concentration. If this is not the case, the test results shall be discarded and the problem shall be corrected.</p> <ul style="list-style-type: none"> <li>-- Stop generating the test agent, disconnect the sample tubes and let the test subject leave the test chamber.</li> </ul>		
7	Calculation of test results		--
7.1	Calculation of percentage inward leakage		--
	<p>The percentage inward leakage, <math>L_{ijm}</math>, shall be calculated from measurements made over the last 100 s (to avoid carry-over of results from one exercise to the other) for each of the three sampling positions (n) for each of the three exercise periods (m) for each of the suits tested (i) (with at least two suits per test subject) for</p>		P

	each of the test subjects (i) (at least five test subjects) in accordance with Equation (1):		
	$L_{ijm} = \frac{C_{ijm} - C}{C} \times 100\%$ <p>where</p> <ul style="list-style-type: none"> <li><math>C</math> is the challenge concentration</li> <li><math>C_{ijm}</math> is the concentration for sampling position i for exercise m for suit j for test subject i.</li> </ul> <p>All percentage inward leakage values shall be reported.</p>		--
7.2	Calculation of total inward leakage		--
7.2.1	<p>The total inward leakage, <math>L_{Sj}</math>, per suit for suit j, shall be calculated in accordance with Equation (2):</p> $L_{Sj} = \frac{1}{mn} \sum_m \sum_n L_{ijm}$ <p>The data reported shall pertain to 10 results from 10 or more suits.</p>		P
7.2.2	<p>The total inward leakage, <math>L_{Hi}</math>, per human subject for subject i shall be calculated in accordance with Equation (3)</p> $L_{Hi} = \frac{1}{jmn} \sum_j \sum_m \sum_n L_{ijm}$ <p>The data reported shall pertain to 5 results from 5 or more subjects.</p>		P
7.2.3	<p>The total inward leakage, <math>L_{Em}</math>, per exercise for exercise m shall be calculated in accordance with Equation (4):</p> $L_{Em} = \frac{1}{jin} \sum_j \sum_n L_{ijm}$ <p>The data reported shall pertain to 3 results from 3 exercises.</p>		P
7.2.4	<p>The total inward leakage, <math>L_{Pn}</math>, per position for test position n shall be calculated in accordance with Equation (5):</p> $L_{Pn} = \frac{1}{jmi} \sum_j \sum_m \sum_i L_{ijm}$ <p>The data reported pertain to 3 results from 3 sampling positions.</p>		P

7.2.5	The total inward leakage per position and per exercise, $L_{EP}$ , for exercise $m$ and position $n$ shall be calculated in accordance with Equation (6): $L_{EP, mn} = \frac{1}{j} \sum_j L_{ijmn}$	P
7.2.6	The data reported pertain to 10 suits (or more).  The mean total inward leakage  The average, $L$ of all total inward leakage measurements shall then be calculated in	P

	<p>accordance with Equation (7) and reported:</p> $\bar{L} = \frac{1}{j} \sum_j L_{S,j} = \frac{1}{j} \sum_i L_{H,i} = \frac{1}{m} \sum_m L_{E,m} = \frac{1}{n} \sum_n L_{P,n}$		
8	<p>Test report</p> <p>The test report shall contain the following information:</p> <ul style="list-style-type: none"> <li>a) reference to this International Standard (i.e., ISO 13982-2:2004);</li> <li>b) identity of the manufacturer of the suit;</li> <li>c) size of the suits tested and the body measurements of the test subjects, in accordance with the provisions of EN 340;</li> <li>d) description of the underwear worn by test subjects;</li> <li>e) description of any pre-treatment and/or preconditioning of the suits tested, e.g. mechanical pre-stressing of suits for determining the durability of barrier efficiency;</li> <li>f) description of any additional protective equipment or any accessories worn during the test and if and how the accessories were taped to the suit;</li> <li>g) temperature and relative humidity inside the test chamber prior to the testing of each suit and at the end of all test exercises for each suit;</li> <li>h) concentration of test agent inside the suit at all three sampling positions for each suit prior to testing; concentration of test agent inside the test chamber after stabilizing the test agent concentration and at the end of all test exercises;</li> <li>i) all inward leakage results, presented in the form of data tables: <ul style="list-style-type: none"> <li>-- tables giving the percentage inward leakage values <math>L_{ijmn}</math> and averages per test subject and test suit (i.e., at least 10 tables modelled on Table 2),</li> <li>-- table giving total inward leakage values for all test subjects and test suits (modelled on Table 3),</li> <li>-- table giving total inward leakage values per test subject (modelled on Table 4);</li> <li>j) any comments considered appropriate by the person who has carried out the tests.</li> </ul> </li> </ul>		P

**Table 1 — Sampling sequence for probes inside the suit during the period when the test subject is present in the chamber and during the sequence of activity**

Measuring sequence		Timing min	Sampling through probe at position:	Feeding of clean air through probe at position:	Exercise
Number	Activity				
1	measuring the background inside suit (before generation of the aerosol)	—	knee	chest	standing still
		—	waist back	knee	
		—	chest	waist back	
2	waiting for stabilization and measuring the test agent concentration inside chamber	—	—	—	
3	measuring the test agent concentration inside suit	3	knee	chest	standing still
		3	waist back	knee	
		3	chest	waist back	
		3	knee	chest	walking
		3	waist back	knee	
		3	chest	waist back	
4	stabilization between walking and squatting	1	knee	chest	standing still
		1	waist back	knee	
		1	chest	waist back	
5	measuring the test agent concentration inside suit	3	knee	chest	squatting
		3	waist back	knee	
		3	chest	waist back	
6	measuring the test agent concentration inside chamber	—	—	—	standing still

**Table 2 — Model for reporting inward leakage values, expressed in percent, of suit  $j$  worn by test subject  $i$**

Exercise	Sampling position/Feeding-in position			Average per exercise %
	Knee/Chest	Waist back/Knee	Chest/Waist back	
standing still	$L_{j11}$	$L_{j12}$	$L_{j13}$	$L_{E1j}$
walking	$L_{j21}$	$L_{j22}$	$L_{j23}$	$L_{E2j}$
squatting	$L_{j31}$	$L_{j32}$	$L_{j33}$	$L_{E3j}$
average per sampling position	$L_{P1j}$	$L_{P2j}$	$L_{P3j}$	$L_{Sj}$

**Table 3 — Model for reporting total inward leakage values, expressed in percent, per sampling position and per exercise (averaged over all suits)**

Exercise	Sampling position/Feeding-in position			Average per exercise %
	Knee/Chest	Waist back/Knee	Chest/Waist back	
standing still	$L_{EP11}$	$L_{EP12}$	$L_{EP13}$	$L_{E1}$
walking	$L_{EP21}$	$L_{EP22}$	$L_{EP23}$	$L_{E2}$
squatting	$L_{EP31}$	$L_{EP32}$	$L_{EP33}$	$L_{E3}$
average per sampling position	$L_{P1}$	$L_{P2}$	$L_{P3}$	$\bar{L}$

**Table 4 — Model for reporting total inward leakage values, expressed in percent, per test subject**

Test subject	Total inward leakage per suit, $L_{Sj}$	Total inward leakage per human test subject, $L_{Hi}$
1	$L_{S1}, L_{S2}$	$L_{H1}$
2	$L_{S3}, L_{S4}$	$L_{H2}$
... $i$ ...	$L_{S2i-1}, L_{S2i}$	$L_{Hi}$
average	$\bar{L}$	$\bar{L}$

# INTERNATIONAL SALES REPRESENTATIVE AGREEMENT

**DATE:** 01.06.2020

**BETWEEN:**

NİNOVA NÖROTEKNOLOJİ ARAŞTIRMA GELİŞTİRME SAN.VE TIC.LTD. ŞTİ,

whose registered office is at KONAK MAH. ÜNİVERSİTE BLV. 127 1 SAHİNBEY / GAZİANTEP / TURKEY  
and registration/fiscal number is V D 631 071 54 35

represented by Hanifi Şireci

(hereinafter referred to as "the Company"),

**AND:**

Piramit Golteks GmbH

whose registered office is at Max-Planck-Str. 27, 50354 Hürth, Germany and registration number is  
224/5734/1671

represented by Mr. Hüseyin Basar (Managing Director) (hereinafter referred to as "the  
Representative").

Both parties acknowledge each other's right and ability to undertake the terms of the present  
Contract and

## DECLARE

- I. That the Company manufactures and sells NON-STERILE GOWNS Class I and is interested in expanding into European markets.
- II. That the Representative is interested in carrying out the tasks of promotion and export management of the products manufactured by the Company, given his/her professional knowledge and experience in overseas trade and international marketing.
- III. That the Parties have reached an agreement as to the overseas promotion of the aforementioned products, subject to the following points.

**NİNOVA**  
NÖROTEKNOLOJİ ARAŞTIRMA GELİŞTİRME  
SAN. VE TIC. LTD. ŞTİ.  
Konak Mahallesi Üniversite Bulvarı No:127/1  
Şahinbey / GAZİANTEP  
SAHİNBEY V.D. 631 071 54 35 Ticaret Sicil No:45369  
Mersis No: 0631071543500016