

# AB Tip İnceleme Sertifikası EU Type-Examination Certificate

|                                                                                                                                                                         |                                                                                                                                                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Belge No / Certificate No                                                                                                                                               | : 11022631                                                                                                                                                                     |
| Belgelendirme Tarihi - Bir Sonraki Belge Tarihi /<br>Certification Date / Certificate Validity Date                                                                     | :21.03.2025-21.03.2030                                                                                                                                                         |
| Belge Geçerlilik Tarihi / Document Validity Period                                                                                                                      | : 5 yıl / 5 years                                                                                                                                                              |
| Üretici Unvanı ve Adresi /<br>Manufacturer Name and Address                                                                                                             | :BAYMAX KİŞİSEL KORUYUCU<br>DONANIMLARI ÜRETİM SANAYİ<br>TİCARET ANONİM ŞİRKETİ<br>Yunus Emre Mah. Ulubey Cad. No: 10 34791<br>Sancaktepe/İstanbul /Türkiye                    |
| Marka / Model / Brand / Model                                                                                                                                           | : BAYMAX/ BX-NP02, BX-NP03                                                                                                                                                     |
| Direktifi / Directive                                                                                                                                                   | : 2016/425 REGULATION                                                                                                                                                          |
| Modülü/Kategori / Module / Category                                                                                                                                     | : B MODÜLÜ/ KATEGORİ II<br>MODULE B / CATEGORY II                                                                                                                              |
| Teknik Değerlendirme Raporu /<br>Technical Evaluation Report                                                                                                            | : MNA 11022631                                                                                                                                                                 |
| Ürün Tipi / Product Type:                                                                                                                                               |                                                                                                                                                                                |
| - EN ISO 21420:2020 Koruyucu eldivenler – Genel gereklilikler ve test yöntemleri / Protective gloves – General requirements and test methods                            |                                                                                                                                                                                |
| - EN 388:2016+A1:2018 Mekanik risklere karşı koruyucu eldivenler (Performans Seviyeleri: 2121X) / Protective gloves against mechanical risks (Performance Level: 2121X) |                                                                                                                                                                                |
| Ürünün Malzeme Bilgisi / Product Material Information:                                                                                                                  | BAYMAX/ BX-NP02, BX-NP03 model ürünleri tekstil ve kaplama kullanılarak imal edilmiştir. / BAYMAX/ BX-NP02, BX-NP03 model products are manufactured using textile and coating. |

Karar Verici / Approver

Şirket Müdürü / General Manager



MNA Laboratuvarları San. Tic.Ltd .Şti  
Adres: Küçükbakkalköy Mahallesi Yenidoğan Cad.No:21 Ataşehir/ İstanbul  
Tel: 0216 574 07 08 Faks: 0216 575 13 31 [www.mnalab.com](http://www.mnalab.com)



| KKD ÖZELLİĞİ                                 | PERFORMANS SEVİYESİ |
|----------------------------------------------|---------------------|
| Yetenek                                      | 5                   |
| Aşınma Direnci                               | 2                   |
| Bıçakla Kesilme Direnci                      | 1                   |
| Yırtılma Direnci                             | 2                   |
| Delinme Direnci                              | 1                   |
| Keskin Cisimler Tarafından Kesilmeye Direnci | X                   |

Her biri, bir bireye uyması için uyarlanabilen ve seri olarak imal edilen KKD için onaylanmış temel modele dayanan ilgili parametrelerin izin verilen varyasyon aralığı ile ilgili bilgiler

| İŞARETLEME                                                                                                                                                                                                                 |                                                                                     |                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <b>ÜRETİCİ:</b> BAYMAX KİŞİSEL KORUYUCU DONANIMLARI ÜRETİM SANAYİ TİCARET ANONİM ŞİRKETİ<br>Yunus Emre Mah. Ulubey Cad. No: 10 34791 Sancaktepe/İstanbul /Türkiye                                                          |                                                                                     |                                                                                      |
| <b>KKD TİPİ:</b> <ul style="list-style-type: none"><li>- EN ISO 21420:2020 Koruyucu eldivenler – Genel gereklilikler ve test yöntemleri</li><li>- EN 388:2016+A1:2018 Mekanik risklere karşı koruyucu eldivenler</li></ul> |                                                                                     |                                                                                      |
| <b>ÜRÜN BEDENİ/ÜRÜN MODELİ:</b> BAYMAX/ BX-NP02, BX-NP03 (9,10 beden)                                                                                                                                                      |                                                                                     |                                                                                      |
| <b>PİKTOGRAM ve PERFORMANS SEVİYESİ:</b>                                                                                                                                                                                   |                                                                                     |                                                                                      |
| EN ISO 21420:2020                                                                                                                                                                                                          | EN 388:2016+A1:2018                                                                 |                                                                                      |
|                                                                                                                                         |  |  |
|                                                                                                                                                                                                                            |                                                                                     | 2121X                                                                                |

MNA LABORATUVARLARI SAN. TİC. LTD. ŞTİ yukarıda belirtilen ürünün 2016/425 AB Direktifine göre yönetmeliğin şartlarını yerine getirdiğini beyan eder, ürünün güvenliği hem bu sertifikada hem de teknik dosyasında belirtilmiş olan şartlar ve kullanımı dâhilindedir.

**ÜRÜN RESİM/LERİ****BAYMAX/ BX-NP02, BX-NP03****TEKNİK DOSYADA BULUNAN DOKÜMANLAR**

- Teknik Değerlendirme Raporu
- Test Raporları

|                                                                                                                              |                                                                             |
|------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| <br>MNA LABORATUVARLARI SAN. TİC. LTD. ŞTİ. | <b>MNA LABORATUVARLARI</b><br><b>TEKNİK DEĞERLENDİRME RAPORU (11022631)</b> |
|------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|

**Rapor No** : 11022631

**Rapor Tarihi** : 21.03.2025

**Başvuru No** : 11022631

**1. FİRMA BİLGİLERİ:**

BAYMAX KİŞİSEL KORUYUCU DONANIMLARI ÜRETİM SANAYİ TİCARET ANONİM ŞİRKETİ  
Yunus Emre Mah. Ulubey Cad. No: 10 34791 Sancaktepe/İstanbul /Türkiye

**2. KKD TANIMI:**

BX-NP02, BX-NP03 mekanik risklere karşı koruyucu eldiven.

**3. KKD TİP TANIMLAMASI:**

- EN ISO 21420:2020 Koruyucu eldiven- Genel gereklilikler ve test yöntemleri
- EN 388:2016+A1:2018 Mekanik risklere karşı koruyucu eldivenler

**4. KKD RESMİ:**



BX-NP02, BX-NP03



**5. KKD ÖLÇÜLERİ:**

BAYMAX/ BX-NP02, BX-NP03 (9,10 beden) modeller için belirtilen boyutlar ile özel ölçüler kullanılarak üretim yapıldığı görülmüştür.

**6. KKD ÜRÜN MALZEME BİLGİSİ:**

Numunenin tekstil ve kaplama kullanılarak üretildiği görülmüştür.

**7. TEMEL SAĞLIK GÜVENLİK GEREKSİNİMLERİ:**

- Ergonomi için EN ISO 21420'ye göre görsel inceleme yapılmıştır.
- Koruma seviyeleri ve dereceleri imalatçı tarafından tanımlanmıştır.
- Uygun yapım malzemeleri EN ISO 21420'ye göre görsel inceleme ile belirlenmiştir.
- pH içeriği EN ISO 21420' ye göre belirlenmiştir.
- Eldivenin yeteneği testi yapılmış, EN ISO 21420'ye göre değerlendirilmiştir.
- Elin ve eldivenin ölçümü testi yapılmıştır. Tasarım göre değerlendirilmiştir.
- Eldivenin analizleri EN ISO 21420 ve EN 388+A1'e göre yapılmıştır. Mekanik risklere karşı koruyucu eldiven EN 388+A1 'e göre değerlendirmeler yapılmıştır.
- Eldivenin tekstil ve kaplamalı kısımlarında zararlı kimyasallardan tekstil Azo Boyar Maddeler Tayini (EN ISO 14362-1), Poli aromatik hidrokarbonlar (PAHs), Dimethylformamit (DMFa) EN 16778 modifiye analizleri uygulanmıştır.
- Zararlı kimyasallara karşı analizler uygulanmıştır ve REACH tüzüğü Ek 17' ye göre değerlendirilmiştir.

**8. TALEP EDİLEN STANDARTLAR KAPSAMINDA YAPILAN ANALİZLER VE SONUÇLARI:**

|                                                                                                                              |                                        |  |  |
|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|--|--|
| <br>MNA LABORATUVARLARI SAN. TIC. LTD. ŞTİ. | MNA LABORATUVARLARI                    |  |  |
|                                                                                                                              | TEKNİK DEĞERLENDİRME RAPORU (11022631) |  |  |

## EN ISO 21420

| ANALİZLER                           | ANALİZ SONUCU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | PERFORMANS SEVİYESİ  | DEĞERLENDİRME |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|---------------|
| pH                                  | Turuncu kaplamı kumaş 7,1<br>Elin üstü beyaz kumaş 6,8<br>Konç siyah beyaz kumaş 7,5                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3,5<pH<br>değeri<9.5 | UYGUN         |
| Yetenek-pim                         | 5 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 5                    | UYGUN         |
| Azo boyar madde tayini              | Elin üstü kırmızı kumaş+ +Konç siyah beyaz kumaş <5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <30ppm               | UYGUN         |
| Poli aromatik hidrokarbonlar (PAHs) | <0,28 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <1 ppm               | UYGUN         |
| Dimethylformamit (DMFa)             | <10 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1000 ppm             | UYGUN         |
| Etiketleme                          | İşaretleme, eldivenin öngörülebilir kullanım ömrü boyunca görülebilecek ve okunabilecek şekilde iliştilirilmelidir. İlgili piktogramlarla karıştırılabilecek işaretleme veya yazılar eldivene iliştilirmeyecektir. Ürünün özellikleri göz önüne alındığında eldiven üzerinde işaretleme mümkün değilse, işaretleme ambalajın üzerine veya eldivenle birlikte verilen herhangi bir belgeye iliştilirmelidir. Bir piktogram yalnızca eldivenin en azından ilgili spesifik standardın minimum gerekliliklerini karşılaması durumunda kullanılmalıdır. | -                    | UYGUN         |

| Elin Boyutu | ANALİZ SONUCU         |                    |                   | DEĞERLENDİRME |
|-------------|-----------------------|--------------------|-------------------|---------------|
|             | Eldiven Uzunluğu (mm) | Elin Uzunluğu (mm) | Elin Çevresi (mm) |               |
| 9           | 232                   | 190                | 220               | *             |
| 10          | 246                   | 207                | 213               |               |

\* Özel ölçülere göre üretim yapılmıştır.

## EN 388+A1

| ANALİZLER                         | PERFORMANS SEVİYESİ                |            |          |           |           | ANALİZ SONUCU                            | PERFORMANS SEVİYESİ | DEĞERLENDİRME |
|-----------------------------------|------------------------------------|------------|----------|-----------|-----------|------------------------------------------|---------------------|---------------|
|                                   | 1                                  | 2          | 3        | 4         | 5         |                                          |                     |               |
| Aşınma dayanımı - aşınma sayısı   | 100                                | 500        | 2000     | 8000      | -         | 8000 devir                               | 2                   | UYGUN         |
| Bıçakla kesilme direncinin tayini | 1,2 indeks                         | 2,5 indeks | 5 indeks | 10 indeks | 20 indeks | 1,5 index<br>1,6 index                   | 1                   | UYGUN         |
| Yırtılma direnci dayanımı         | 10 N                               | 25 N       | 50 N     | 75 N      | -         | 38,81 N<br>42,46 N<br>43,74 N<br>46,67 N | 2                   | UYGUN         |
| Delinme direnci dayanımı          | 20 N                               | 60 N       | 100 N    | 150 N     | -         | 22,79 N<br>22,14 N<br>26,01 N<br>22,46 N | 1                   | UYGUN         |
| Darbe dayanımı                    | Fiziksel bir değişim görülmeyecek. |            |          |           |           | -                                        | -                   | -             |

|                                                                                                                              |                                        |  |  |  |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|--|--|--|--|--|--|--|--|
| <br>MNA LABORATUVARLARI SAN. TIC. LTD. ŞTİ. | MNA LABORATUVARLARI                    |  |  |  |  |  |  |  |  |
|                                                                                                                              | TEKNİK DEĞERLENDİRME RAPORU (11022631) |  |  |  |  |  |  |  |  |

| ANALİZ                                                 | PERFORMANS SEVİYESİ |               |                |                |                |                | ANALİZ SONUCU | PERFORMANS SEVİYESİ | DEĞERLENDİRME |
|--------------------------------------------------------|---------------------|---------------|----------------|----------------|----------------|----------------|---------------|---------------------|---------------|
| Keskin cisimler tarafından kesilmeye direncin dayanımı | Seviye A: 2 N       | Seviye B: 5 N | Seviye C: 10 N | Seviye D: 15 N | Seviye E: 22 N | Seviye F: 30 N | -             | X                   | UYGUN         |

#### 9. EKLER

- Analiz raporları (M-2025-0262, M-2025-0266, M-2025-0267, 2502000864)

KONTROL EDEN :

AB-1183-T

M-2025-0262

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|                          |                            |              |      |
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|                        |                                                          |
|------------------------|----------------------------------------------------------|
| Purpose of Analysis    | : Special request                                        |
| Sample Send Org.       | : BAYMAX KİŞİSEL KORUYUCU DONANIMLARI ÜRETİN SAN.TİC. AŞ |
| Address                | : Çevrik Mah. 168. Sok.No:8 Cumayeri / Düzce /Türkiye    |
| Sample Acceptance Date | : 2025-02-21 16:37:44                                    |
| Analysis Date          | : 2025-02-21 16:54:14                                    |
| Sample Quantity        | : 2 Pair                                                 |
| Sample Description     | : Baymax BX-NP05                                         |
| Other informations     | :                                                        |

| Tests           | Method                                    | Expected performance level | Evaluation |
|-----------------|-------------------------------------------|----------------------------|------------|
| Banned Azo Dyes | EN ISO 14362-1:2017 / EN ISO 17234-1:2020 |                            | PASS       |

## Banned Azo Dyes \*

Device:GC-MS

Measurement uncertainty: Textile:±0,350 Leather:±0,390

Compounds/Cas No: biphenyl-4-ylamine, 4-aminobiphenyl xenylamine/92-67-1, benzidine/92-87-5, 4-chloro-o-toluidine/95-69-2, 2-naphthylamine/91-59-8, o-aminoazotoluene, 4-amino-2',3'-dimethylazobenzene, 4-o-tolylazo-o-toluidine/97-56-3, 5-nitro-o-toluidine/99-55-8, 4-chloroaniline/106-47-8, 4-methoxy-m-phenylenediamine/615-05-4, 4,4'-methylenedianiline, 4,4'-diaminodiphenylmethane/101-77-9, 3,3'-dichlorobenzidine, 3,3'-dichlorobiphenyl-4,4'-ylenediamine/91-94-1, 3,3'-dimethoxybenzidine, o-dianisidine/119-90-4, 3,3'-dimethylbenzidine, 4,4'-bi-o-toluidine/119-93-7, 4,4'-methylenedi-o-toluidine/838-88-0, 6-methoxy-m-toluidine p-cresidine/120-71-8, 4,4'-methylene-bis-(2-chloro-aniline), 2,2'-dichloro-4,4'-methylene-dianiline/101-14-4, 4,4'-oxydianiline/101-80-4, 4,4'-thiodianiline/139-65-1, o-toluidine, 2-aminotoluene/95-53-4, 4-methyl-m-phenylenediamine/95-80-7, 2,4,5-trimethylaniline/137-17-7, o-anisidine, 2-methoxyaniline/90-04-0, 4-amino azobenzene/60-09-3

| Tests           | Analysis result  | Limit Value | Method                                    | Evaluation | Physical Condition |
|-----------------|------------------|-------------|-------------------------------------------|------------|--------------------|
| Banned Azo Dyes | Check the table. | ≤30 mg/kg   | EN ISO 14362-1:2017 / EN ISO 17234-1:2020 | PASS       | -                  |

| Part of Sample/ Numune kısımları | Results/ Sonuçlar(mg/kg) |
|----------------------------------|--------------------------|
| Back of hand red fabric          | <5                       |

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TS EN ISO/IEC 17025  
AB-1183-T

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Operating as a test laboratory, MNA Laboratories is accredited by TÜRKAK according to AB-1183-T and TS\_EN\_ISO/IEC\_17025:2017 standards has been done. A multilateral agreement with the European Accreditation Association (EA) on the recognition of the Turkish Accreditation Agency (TÜRKAK) test reports and It has signed a mutual recognition agreement with the International Laboratory Accreditation Association (ILAC).

\*The analysis is within the scope of accreditation.

## Note :

1. No part of this analysis report may be used alone or separately and may be partially copied or reproduced without the written permission of the laboratory. It cannot be reproduced, used by third parties or as a means of advertising.
2. Analysis results are valid for the sample sent and analyzed by the company/institution/individual to MNA Laboratories. represent the whole may not.
3. Unsigned and Unsealed reports are invalid.
4. Results are valid for the sample received.
5. The decision rule is the rule that determines how measurement uncertainty is taken into account when specifying compliance with an established specification. The customer may choose to apply and/or not apply the decision rule (except in cases where legislation/standards are mandatory). If the customer prefers to apply the decision rule; According to the TLM-052 Decision Rule Application instruction published on the www.mnalab.com website, the decision rule selected in agreement is applied and reported by stating the relevant analysis and decision rule method in the "Note" section. If the customer leaves the decision rule application to the laboratory's evaluation, MNA LABORATORIES applies the simple decision rule.
6. Limit Values are determined by taking from analysis methods.
7. The laboratory is not responsible if the information provided by the CUSTOMER affects the validity of the results.
8. Test and / or measurement results, expanded measurement uncertainties (if any) and test methods are given in the following pages, which are the supplementary part of this certificate.

The witness sample was not received.

Erhan Üstünel

Central Laboratory Responsible

2025-02-26 08:53:28

Nesligül Arkan

Sample Acceptance and Reporting Officer

2025-02-26 11:35:17

VOLKAN AKIN

Laboratory Manager

2025-02-26 08:53:39

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|                          |                            |              |      |
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|                        |                                                          |
|------------------------|----------------------------------------------------------|
| Purpose of Analysis    | : Special request                                        |
| Sample Send Org.       | : BAYMAX KİŞİSEL KORUYUCU DONANIMLARI ÜRETİN SAN.TİC. AŞ |
| Address                | : Çevrik Mah. 168. Sok.No:8 Cumayeri / Düzce /Türkiye    |
| Sample Acceptance Date | : 2025-02-26 15:59:43                                    |
| Analysis Date          | : 2025-02-26 16:36:03                                    |
| Sample Quantity        | : 6 Pair                                                 |
| Sample Description     | : Baymax BX-NP02 / BX-NP03                               |
| Other informations     | :                                                        |

| Tests                                                                | Method                                    | Expected performance level | Evaluation          |
|----------------------------------------------------------------------|-------------------------------------------|----------------------------|---------------------|
| Banned Azo Dyes                                                      | EN ISO 14362-1:2017 / EN ISO 17234-1:2020 |                            | PASS                |
| Textile-Determination of pH                                          | TS EN ISO 3071:2020                       |                            | PASS                |
| Determination of Gloved Finger Dexterity                             | TS EN ISO 21420/A1:2024 Part 6.2          |                            | Performance Level:5 |
| Protective Gloves - The Determination of Dimethylformamide in Gloves | En 16778:2016                             |                            | PASS                |
| Measurement of Glove Length                                          | TS EN ISO 21420/A1:2024 Part 6.1          |                            | -                   |

## Banned Azo Dyes \*

Device:GC-MS

Measurement uncertainty: Textile:±0,350 Leather:±0,390

Compounds/Cas No: biphenyl-4-ylamine, 4-aminobiphenyl xenylamine/92-67-1, benzidine/92-87-5, 4-chloro-o-toluidine/95-69-2, 2-naphthylamine/91-59-8, o-aminoazotoluene, 4-amino-2',3'-dimethylazobenzene, 4-o-tolylazo-o-toluidine/97-56-3, 5-nitro-o-toluidine/99-55-8, 4-chloroaniline/106-47-8, 4-methoxy-m-phenylenediamine/615-05-4, 4,4'-methylenedianiline, 4,4'-diaminodiphenylmethane/101-77-9, 3,3'-dichlorobenzidine, 3,3'-dichlorobiphenyl-4,4'-ylenediamine/91-94-1, 3,3'-dimethoxybenzidine, o-dianisidine/119-90-4, 3,3'-dimethylbenzidine, 4,4'-bi-o-toluidine/119-93-7, 4,4'-methylenedi-o-toluidine/838-88-0, 6-methoxy-m-toluidine p-cresidine/120-71-8, 4,4'-methylene-bis-(2-chloro-aniline), 2,2'-dichloro-4,4'-methylene-dianiline/101-14-4, 4,4'-oxydianiline/101-80-4, 4,4'-thiodianiline/139-65-1, o-toluidine, 2-aminotoluene/95-53-4, 4-methyl-m-phenylenediamine/95-80-7, 2,4,5-trimethylaniline/137-17-7, o-anisidine, 2-methoxyaniline/90-04-0, 4-amino azobenzene/60-09-3

| Tests           | Analysis result  | Limit Value | Method                                    | Evaluation | Physical Condition |
|-----------------|------------------|-------------|-------------------------------------------|------------|--------------------|
| Banned Azo Dyes | Check the table. | ≤30 mg/kg   | EN ISO 14362-1:2017 / EN ISO 17234-1:2020 | PASS       | -                  |

| Part of Sample/ Numune kısımları | Results/ Sonuçlar(mg/kg) |
|----------------------------------|--------------------------|
| Wrist white black fabric         | <5                       |

|                          |                            |              |      |
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**Textile-Determination of pH \***

Device: pH meter

Extraction solution: 0,1 mol/L KCl

Measurement uncertainty:±0,055

| Tests                       | Analysis result  | Limit Value                                            | Method              | Evaluation | Physical Condition |
|-----------------------------|------------------|--------------------------------------------------------|---------------------|------------|--------------------|
| Textile-Determination of pH | Check the table. | 3.5 < Result/Sonuç < 9.5 (EN ISO 21420 / EN ISO 13688) | TS EN ISO 3071:2020 | PASS       | -                  |

| Part of Sample/ Numune kısımları                | pH   | Temperature / Sıcaklık (°C) |
|-------------------------------------------------|------|-----------------------------|
| Measurement of the extraction solution/ Çözelti | 6,20 | 20,4                        |
| Orange coated fabric                            | 7,1  | 20,0                        |
| Back of hand white fabric                       | 6,8  | 20,1                        |
| Wrist white black fabric                        | 7,5  | 20,1                        |

**Determination of Gloved Finger Dexterity \***

Device: Finger Dexterity pins

Measurement uncertainty:-

| Tests                                    | Analysis result | Limit Value                                                                        | Method                           | Evaluation          | Physical Condition |
|------------------------------------------|-----------------|------------------------------------------------------------------------------------|----------------------------------|---------------------|--------------------|
| Determination of Gloved Finger Dexterity | 5 mm            | Level 1: 11 mm / Level 2: 9,5 mm / Level 3: 8 mm / Level 4: 6,5 mm / Level 5: 5 mm | TS EN ISO 21420/A1:2024 Part 6.2 | Performance Level:5 | -                  |

**Protective Gloves - The Determination of Dimethylformamide in Gloves**

Device: GC-MS

Measurement uncertainty:±0,060

| Tests                                                                | Analysis result  | Limit Value | Method        | Evaluation | Physical Condition |
|----------------------------------------------------------------------|------------------|-------------|---------------|------------|--------------------|
| Protective Gloves - The Determination of Dimethylformamide in Gloves | Check the table. | <1000 ppm   | En 16778:2016 | PASS       | -                  |

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|        |     |
|--------|-----|
|        | ppm |
| Sample | <10 |

### Measurement of Glove Length \*

Device: Ruler

Measurement uncertainty: Glove Length:±0,0285, Hand Length:±0,0318, Circumference of the Glove:±0,0295

| Tests                       | Analysis result  | Limit Value | Method                           | Evaluation | Physical Condition |
|-----------------------------|------------------|-------------|----------------------------------|------------|--------------------|
| Measurement of Glove Length | Check the table. | ~           | TS EN ISO 21420/A1:2024 Part 6.1 | -          | -                  |

|         | Glove length/ Eldiven uzunluğu (mm) | Hand length/ El uzunluğu (mm) | Hand circumference/ El çevresi (mm) |
|---------|-------------------------------------|-------------------------------|-------------------------------------|
| Size 4  |                                     |                               |                                     |
| Size 5  |                                     |                               |                                     |
| Size 6  |                                     |                               |                                     |
| Size 7  |                                     |                               |                                     |
| Size 8  |                                     |                               |                                     |
| Size 9  | 232                                 | 190                           | 220                                 |
| Size 10 | 246                                 | 207                           | 213                                 |
| Size 11 |                                     |                               |                                     |
| Size 12 |                                     |                               |                                     |
| Size 13 |                                     |                               |                                     |
| Size 14 |                                     |                               |                                     |

MNA LABORATORY  
ANALYSIS REPORTTest  
TS EN ISO/IEC 17025  
AB-1183-T

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03-25

|                          |                            |              |      |
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\*The analysis is within the scope of accreditation.

## Note :

1. No part of this analysis report may be used alone or separately and may be partially copied or reproduced without the written permission of the laboratory. It cannot be reproduced, used by third parties or as a means of advertising.
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3. Unsigned and Unsealed reports are invalid.
4. Results are valid for the sample received.
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6. Limit Values are determined by taking from analysis methods.
7. The laboratory is not responsible if the information provided by the CUSTOMER affects the validity of the results.
8. Test and / or measurement results, expanded measurement uncertainties (if any) and test methods are given in the following pages, which are the supplementary part of this certificate.

The witness sample was not received.

Erhan Üstünel

Central Laboratory Responsible

2025-03-03 13:17:25

Nesligül Arkan

Sample Acceptance and Reporting Officer

2025-03-03 13:26:15

VOLKAN AKIN

Laboratory Manager

2025-03-03 13:18:12

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|                        |                                                          |
|------------------------|----------------------------------------------------------|
| Purpose of Analysis    | : Special request                                        |
| Sample Send Org.       | : BAYMAX KİŞİSEL KORUYUCU DONANIMLARI ÜRETİM SAN.TİC. AŞ |
| Address                | : Çevrik Mah. 168. Sok.No:8 Cumayeri / Düzce /Türkiye    |
| Sample Acceptance Date | : 2025-02-26 16:00:12                                    |
| Analysis Date          | : 2025-02-26 16:36:06                                    |
| Sample Quantity        | : 8 Pair                                                 |
| Sample Description     | : Baymax BX-NP02 / BX-NP03                               |
| Other informations     | :                                                        |

| Tests                | Method                     | Expected performance level | Evaluation          |
|----------------------|----------------------------|----------------------------|---------------------|
| Puncture Resistance  | Ts En 388+A1:2019 Part 6.5 |                            | Performance Level:1 |
| Abrasion Resistance  | TS EN 388+A1:2019 Part 6.1 |                            | Performance Level:4 |
| Blade Cut Resistance | Ts En 388+A1:2019 Part 6.2 |                            | Performance Level:1 |
| Tear Resistance      | Ts En 388+A1:2019 Part 6.4 |                            | Performance Level:2 |

## Puncture Resistance \*

Device: Tensile Testing Machine

Measurement uncertainty:±0,235

| Tests               | Analysis result  | Limit Value                                                                            | Method                        | Evaluation          | Physical Condition |
|---------------------|------------------|----------------------------------------------------------------------------------------|-------------------------------|---------------------|--------------------|
| Puncture Resistance | Check the table. | Level 1: 20 Newton<br>Level 2: 60 Newton<br>Level 3: 100 Newton<br>Level 4: 150 Newton | Ts En 388+A1:2019<br>Part 6.5 | Performance Level:1 | -                  |

|                   | Newton |
|-------------------|--------|
| Sample / Numune 1 | 22,79  |
| Sample / Numune 2 | 22,14  |
| Sample / Numune 3 | 26,01  |
| Sample / Numune 4 | 22,46  |

## Abrasion Resistance \*

Device: Martindale abrasion tester

Pressure on specimen: (9,0 ± 0,2) kPa.

Abradant: Klingspor PL31B, Grit 180

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Adhesive tape: TESA 56170-0004

Measurement uncertainty:-

| Tests               | Analysis result  | Limit Value                                                                                                                         | Method                        | Evaluation          | Physical Condition |
|---------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------|--------------------|
| Abrasion Resistance | Check the table. | Level 1: 100 rubs<br>Level 2: 500 rubs<br>Level 3: 2000 rubs<br>Level 4: 8000 rubs<br>(Standard for limits:<br>EN 388 +A1 Part 4.1) | TS EN 388+A1:2019<br>Part 6.1 | Performance Level:4 | No damage          |

|          |       |
|----------|-------|
| -        | Cycle |
| Sample 1 | 8000  |
| Sample 2 | 8000  |
| Sample 3 | 8000  |
| Sample 4 | 8000  |

**Blade Cut Resistance \***

Blade: OLFA RB45

Canvas: n°14861

Measurement uncertainty:±0,439

| Tests                | Analysis result  | Limit Value                                                                                                   | Method                        | Evaluation          | Physical Condition |
|----------------------|------------------|---------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------|--------------------|
| Blade Cut Resistance | Check the table. | Level 1: 1,2 Level 2:<br>2,5 Level 3: 5,0 Level<br>4: 10,0 Level 5: 20,0 /<br>See the limit table EN<br>13594 | Ts En 388+A1:2019<br>Part 6.2 | Performance Level:1 | -                  |

|          |       |
|----------|-------|
|          | Index |
| Sample 1 | 1,5   |
| Sample 2 | 1,6   |

**Tear Resistance \***

Device: Tensile Testing Machine

Measurement uncertainty:±0,114

|  |  |  |  |  |  |
|--|--|--|--|--|--|
|  |  |  |  |  |  |
|--|--|--|--|--|--|

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| Tests           | Analysis result  | Limit Value                                                                                | Method                     | Evaluation          | Physical Condition |
|-----------------|------------------|--------------------------------------------------------------------------------------------|----------------------------|---------------------|--------------------|
| Tear Resistance | Check the table. | Level 1: 10 N Level 2: 25 N Level 3: 50 N Level 4: 75 N / See the limit table for EN 13594 | Ts En 388+A1:2019 Part 6.4 | Performance Level:2 | -                  |

|                   |        |
|-------------------|--------|
|                   | Newton |
| Sample / Numune 1 | 38,81  |
| Sample / Numune 2 | 42,46  |
| Sample / Numune 3 | 43,74  |
| Sample / Numune 4 | 46,67  |

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The witness sample was not received.

Erhan Üstünel

Central Laboratory Responsible

2025-02-28 16:03:43

Neslişül Arkan

Sample Acceptance and Reporting Officer

2025-03-03 13:28:24

VOLKAN AKIN

Laboratory Manager

2025-02-28 16:04:17

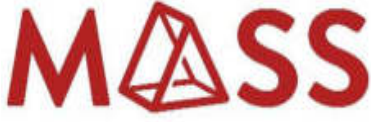
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**MASS LABORATUVAR VE  
DANIŞMANLIK HİZMETLERİ A.Ş.**

Sultaniye Mah. 350 Sk. Şelale Plaza No:1/110

Esenyurt / İSTANBUL Tel: 0212 909 03 80

Web: [www.masslab.com.tr](http://www.masslab.com.tr) E-mail: [info@masslab.com.tr](mailto:info@masslab.com.tr)



Test  
TS EN ISO/IEC 17025  
AB-1454-T

AB-1454-T

2502000864

03-25

**TEST REPORT**

Overall Rating: PASS

Report Nr / Revision Nr : 2502000864  
Applicant : MNA LABORATUVARLARI SAN. TİC. LTD. ŞTİ.  
Applicant Address : Küçükbakkalköy Mah. Yenidoğan Cad. No:21 Ataşehir İSTANBUL  
Contact Person : NESLİGÜL ARKAN  
Contact Telephone : -  
Contact Fax : -  
Contact e-mail : mna\_raporlama@mnalab.com  
Sample Accepted on : 28.02.2025  
Test Resulted Date : 5.03.2025  
Date Release Report : 5.03.2025  
Total number of pages : 3  
Sample ID : BX-NP02 / BX-NP03 KAPLAMALI KUMAŞ-266

Decision Rule : Stated by the customer Conformity assessments were made without taking into account measurement uncertainty..

Disclaimer Statement : -

|   | TEST                   | METHOD         | RESULT |
|---|------------------------|----------------|--------|
| * | DETERMINATION OF PAH's | ISO 16190:2021 | P      |

Seal



Sample Acceptance and Reporter  
Sibel YILDIZ  
5.03.2025

Laboratory Manager  
TUĞRUL PEKER  
5.03.2025



**TEST REPORT**

**Photo of the sample received**



| Sample ID                                      | Part No. | Part ID               | Explanatory Information |
|------------------------------------------------|----------|-----------------------|-------------------------|
| A KAPLAMALI KUMAř-266 - BX-NP02 /<br>BX-NP03 - | Part 1   | Orange coated textile |                         |

**Summary of Results**

| Parts & Results           |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |
|---------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| Parts                     | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| DETERMINATION OF<br>PAH's | P |   |   |   |   |   |   |   |   |    |    |    |    |    |    |



**TEST REPORT**

**PAH (POLİ AROMATİK HIDROKARBONLAR)**

ISO 16190:2021

| Tested Parts | Result ( ppm ) | Total Result ( ppm ) | Limit Value (ppm) | Evaluation |
|--------------|----------------|----------------------|-------------------|------------|
| 1            | < 0.28         | < 0.28               | 1                 | PASS       |

Limit Value : It is given by the customer

Reporting Limit : 0.28 ppm  
< : Less than  
ppm (part per million) : mg/kg

**Controlled Components**

Benz[a]anthracene (CAS No : 56-55-3)  
Benzo[k]fluoranthene (CAS No : 207-08-9)  
Benzo[a]pyrene (CAS No : 50-32-8)  
Benzo(e)pyrene (CAS No : 192-97-2)  
Benzo[j]fluoranthene (CAS No : 205-82-3)  
Dibenz[a,h]anthracene (CAS No : 53-70-3)  
Chrysene (CAS No : 218-01-9)  
Benz[b]fluoranthene (CAS No : 205-99-2)

Samples were stored in the dark between 18°C-25°C.

The results have been determined by the device of Gas Chromatography - Mass Spectroscopy (GC- MS)



Dijital olarak  
imzalayan  
MUHİTTİN  
TUĞRUL PEKER