

# AB Tip İnceleme Sertifikası EU Type-Examination Certificate

**Belge No / Certificate No** : 38013081  
**Belgelendirme Tarihi - Bir Sonraki Belge Tarihi /  
Certification Date / Certificate Validity Date** :28.02.2025-28.02.2030  
**Belge Geçerlilik Tarihi / Document Validity Period** : 5 yıl / 5 years  
**Üretici Unvanı ve Adresi /  
Manufacturer Name and Address** : BAYMAX KİŞİSEL KORUYUCU  
DONANIMLARI ÜRETİM SANAYİ  
TİCARET ANONİM ŞİRKETİ  
Yunus Emre Mah. Ulubey Cad. No: 10 34791  
Sancaktepe/İstanbul /Türkiye  
**Marka / Model / Brand / Model** : BAYMAX/BX-NP05  
**Direktifi / Directive** : 2016/425 REGULATION  
**Modülü/Kategori / Module / Category** : B MODÜLÜ/ KATEGORİ II  
MODULE B / CATEGORY II  
**Teknik Değerlendirme Raporu /  
Technical Evaluation Report** : MNA 38013081

**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: 3121A) / *Protective gloves against mechanical risks (Performance Level: 3121A)*

**Ürünün Malzeme Bilgisi / Product Material Information:** BAYMAX/BX-NP05 model ürünleri tekstil ve kaplama kullanılarak imal edilmiştir. / *BAYMAX/BX-NP05 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                               | 3                   |
| Bıçakla Kesilme Direnci                      | 1                   |
| Yırtılma Direnci                             | 2                   |
| Delinme Direnci                              | 1                   |
| Keskin Cisimler Tarafından Kesilmeye Direnci | A                   |

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-NP05 (9,10 beden)                                                                                                                                                                |                                                                                                                                                                                      |
| <b>PIKTOGRAM ve PERFORMANS SEVİYESİ:</b><br>EN ISO 21420:2020<br>EN 388:2016+A1:2018                                                                                                                                       |                                                                                                                                                                                      |
|                                                                                                                                         | <br><br>3121A |

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-NP05

**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 (38013081)</b> |
|------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|

**Rapor No** : 38013081

**Rapor Tarihi** : 28.02.2025

**Başvuru No** : 38013081

**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-NP05 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-NP05



**5. KKD ÖLÇÜLERİ:**

BAYMAX/BX-NP05 (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. TİC. LTD. ŞTİ. | MNA LABORATUVARLARI                    |  |  |
|                                                                                                                              | TEKNİK DEĞERLENDİRME RAPORU (38013081) |  |  |

## EN ISO 21420

| ANALİZLER                           | ANALİZ SONUCU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | PERFORMANS SEVİYESİ  | DEĞERLENDİRME |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|---------------|
| pH                                  | Aya turuncu kaplamalı kumaş 7,1<br>Konç siyah beyaz kumaş 7,1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 3.5<pH<br>değeri<9.5 | UYGUN         |
| Yetenek-pim                         | 5 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5                    | UYGUN         |
| Azo boyar madde tayini              | Aya turuncu kaplamalı kumaş+ Elin üstü kırmızı kumaş<br>+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 iliştirilmelidir. İlgili piktogramlarla karıştırılabilecek işaretler veya yazılar eldivene iliştirilmeyecektir.<br>Ürünün özellikleri göz önüne alındığında eldiven üzerinde işaretleme mümkün değilse, işaret ambalajın üzerine veya eldivenle birlikte verilen herhangi bir belgeye iliştirilmelidir. 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) |               |
|             | 247                   | 190                | 210               | *             |

\* 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      | -         | 2000 devir                               | 3                   | UYGUN         |
| Bıçakla kesilme direncinin tayini | 1,2 indeks                         | 2,5 indeks | 5 indeks | 10 indeks | 20 indeks | 1,3 index<br>1,2 index                   | 1                   | UYGUN         |
| Yırtılma direnci dayanımı         | 10 N                               | 25 N       | 50 N     | 75 N      | -         | 37,19 N<br>36,56 N<br>36,98 N<br>37,84 N | 2                   | UYGUN         |
| Delinme direnci dayanımı          | 20 N                               | 60 N       | 100 N    | 150 N     | -         | 31,45 N<br>25,32 N<br>31,88 N<br>24,42 N | 1                   | UYGUN         |
| Darbe dayanımı                    | Fiziksel bir değişim görülmeyecek. |            |          |           |           | -                                        | -                   | -             |

|                                                                                                                              |                                        |  |  |  |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|--|--|--|--|--|--|--|--|
| <br>MNA LABORATUVARLARI SAN. TİC. LTD. ŞTİ. | MNA LABORATUVARLARI                    |  |  |  |  |  |  |  |  |
|                                                                                                                              | TEKNİK DEĞERLENDİRME RAPORU (38013081) |  |  |  |  |  |  |  |  |

| 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 | 2 N           | A                   | UYGUN         |

#### 9. EKLER

- Analiz raporları (M-2025-0126, M-2025-0169, M-2025-0170, M-2025-0262,2502000163)

KONTROL EDEN :

|                         |                             |               |      |
|-------------------------|-----------------------------|---------------|------|
| Rapor Nu. : M-2025-0126 | Tarih : 2025-01-29 11:51:21 | Sayfa : 1 / 3 | Rev: |
|-------------------------|-----------------------------|---------------|------|

|                        |                                                          |
|------------------------|----------------------------------------------------------|
| Analizin Amacı         | : Özel İstek                                             |
| Numuneyi Gönd. Kuruluş | : BAYMAX KİŞİSEL KORUYUCU DONANIMLARI ÜRETİN SAN.TİC. AŞ |
| Adres                  | : Çevrik Mah. 168. Sok.No:8 Cumayeri / Düzce /Türkiye    |
| Numune Kabul Tarihi    | : 2025-01-18 08:55:22                                    |
| Analiz Tarihi          | : 2025-01-22 14:28:22                                    |
| Numune Miktarı         | : 2 Çift                                                 |
| Numune Tanımı          | : BX-NP05                                                |
| Diğer Bilgiler         | :                                                        |

| Yapılan Analizler        | Method                      | Beklenen performans seviyesi | Değerlendirme       |
|--------------------------|-----------------------------|------------------------------|---------------------|
| Aşınma Direncinin Tayini | TS EN 388+A1:2019 Madde 6.1 |                              | Performance Level:3 |

### Aşınma Direncinin Tayini \*

Device: Martindale abrasion tester  
Pressure on specimen: (9,0 ± 0,2) kPa.  
Abradant: Klingspor PL31B, Grit 180  
Adhesive tape: TESA 56170-0004

Measurement uncertainty:-

| Yapılan Analizler        | Analiz Sonucu    | Limit Değer                                                                                                                         | Method                         | Değerlendirme       | Fiziksel Durum |
|--------------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------------|----------------|
| Aşınma Direncinin Tayini | 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>Madde 6.1 | Performance Level:3 | No damage.     |

|          |       |
|----------|-------|
| -        | Cycle |
| Sample 1 | 2000  |
| Sample 2 | 2000  |
| Sample 3 | 2000  |
| Sample 4 | 2000  |

MNA LABORATUVARI  
ANALİZ RAPORUTest  
TS EN ISO/IEC 17025  
AB-1183-T

AB-1183-T

M-2025-0126

01-25

|                         |                             |               |      |
|-------------------------|-----------------------------|---------------|------|
| Rapor Nu. : M-2025-0126 | Tarih : 2025-01-29 11:51:21 | Sayfa : 2 / 3 | Rev: |
|-------------------------|-----------------------------|---------------|------|

Deney laboratuvarı olarak faaliyet gösteren MNA Laboratuvarları, TÜRKAK 'tan AB-1183-T ile TS\_EN\_ISO/IEC\_17025:2017 standardına göre akredite edilmiştir. Türk Akreditasyon Kurumu (TÜRKAK) deney raporlarının tanınırlığı konusunda Avrupa Akreditasyon Birliği (EA) ile çok taraflı anlaşma ve Uluslararası Laboratuvar Akreditasyon Birliği (ILAC) ile karşılıklı tanınma antlaşmasını imzalamıştır.

\*Analiz akreditasyon kapsamındadır.

Not:

- 1.Bu analiz raporunun hiçbir bölümü tek başına veya ayrı ayrı kullanılamaz ve laboratuvarın yazılı izni olmadan kısmen kopyalanıp çoğaltılamaz, üçüncü şahıslara ve reklam aracı olarak kullanılamaz.
- 2.Analiz sonuçları, MNA Laboratuvarları' na firma/kurum/shahıs tarafından gönderilen ve analiz edilen numune için geçerlidir. Bütünü temsil etmeyebilir.
- 3.İmzasız ve Mühürsüz raporlar geçersizdir.

- 4.Sonuçlar numunenin teslim alındığı hali için geçerlidir.

5.Karar kuralı belirlenmiş bir spesifikasyona uygunluğu belirtirken, ölçüm belirsizliğinin nasıl hesaba katılacağını belirleyen kuraldır. Müşteri, karar kuralı uygulanmasını ve/veya uygulanmamasını tercih edebilir (Mevzuat/standart zorunlu haller hariç). Müşterinin karar kuralı uygulanmasını tercih etmesi durumunda; www.mnalab.com web sitesinde yayınlanan TLM-052 Karar Kuralı Uygulama talimatına göre mutabık kalınarak seçilen karar kuralı uygulanır ve "Not" bölümünde ilgili analiz ve karar kuralı yöntemi belirtilerek raporlanır. Müşterinin karar kuralı uygulamasını laboratuvarın değerlendirmesine bırakması halinde, MNA LABORATUVARLARI basit karar kuralı uygulamaktadır.

6.Limit Değerleri analiz metotlarından alınarak belirlenmiştir.

7.Müşteri tarafından sağlanan bilgiler sonuçların geçerliliğini etkilemesi durumunda, laboratuvar sorumlu değildir.

8.Deney ve/veya ölçüm sonuçları, genişletilmiş ölçüm belirsizlikleri (olması halinde) ve deney metotları bu raporun tamamlayıcı kısmı olan takip eden sayfalarda verilmektedir.

Şahit numune teslim edilmemiştir.

Erhan Üstünel

Central Laboratory Responsible

2025-01-29 09:57:54

Nesligül Arkan

Sample Acceptance and Reporting Officer

2025-01-29 11:51:14

VOLKAN AKIN

Laboratory Manager

2025-01-29 09:58:03

Rapor Nu. : M-2025-0126

Tarih : 2025-01-29 11:51:21

Sayfa : 3 / 3

Rev:



|                          |                            |              |      |
|--------------------------|----------------------------|--------------|------|
| Report Nu. : M-2025-0169 | Date : 2025-02-06 09:44:46 | Page : 1 / 5 | Rev: |
|--------------------------|----------------------------|--------------|------|

|                        |                                                          |
|------------------------|----------------------------------------------------------|
| 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 | : 2025-01-30 17:38:27                                    |
| Analysis Date          | : 2025-01-30 18:07:17                                    |
| Sample Quantity        | : 7 Pair                                                 |
| Sample Description     | : Baymax BX-NP05                                         |
| Other informations     | :                                                        |

| Tests                 | Method                                         | Expected performance level | Evaluation          |
|-----------------------|------------------------------------------------|----------------------------|---------------------|
| Blade Cut Resistance  | Ts En 388+A1:2019 Part 6.2                     |                            | Performance Level:1 |
| Puncture Resistance   | Ts En 388+A1:2019 Part 6.5                     |                            | Performance Level:1 |
| Tear Resistance       | Ts En 388+A1:2019 Part 6.4                     |                            | Performance Level:2 |
| Cut Resistance Method | TS EN 388+A1:2019 Part 6.3 / EN ISO 13997:2003 |                            | Performance Level:A |

## 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: 2,5 Level 3: 5,0 Level 4: 10,0 Level 5: 20,0 / See the limit table EN 13594 | Ts En 388+A1:2019 Part 6.2 | Performance Level:1 | -                  |

|          | Index |
|----------|-------|
| Sample 1 | 1,3   |
| Sample 2 | 1,2   |

## Puncture Resistance \*

Device: Tensile Testing Machine

|                          |                            |              |      |
|--------------------------|----------------------------|--------------|------|
| Report Nu. : M-2025-0169 | Date : 2025-02-06 09:44:46 | Page : 2 / 5 | Rev: |
|--------------------------|----------------------------|--------------|------|

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 | 31,45  |
| Sample / Numune 2 | 25,32  |
| Sample / Numune 3 | 31,88  |
| Sample / Numune 4 | 24,42  |

## Tear Resistance \*

Device: Tensile Testing Machine

Measurement uncertainty:±0,114

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

|                   | Newton |
|-------------------|--------|
| Sample / Numune 1 | 37,19  |
| Sample / Numune 2 | 36,56  |
| Sample / Numune 3 | 36,98  |
| Sample / Numune 4 | 37,84  |

## Cut Resistance Method \*

Device: TDM Test Machine

Blade: GRU-GRU Textile Blade 88-0121

Neoprene: 1,57 ± 0,05 mm, 50±5 Shore A

Test conditions: 23°C 50%RH

Measurement uncertainty:±0,172

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AB-1183-T

M-2025-0169

02-25

|                          |                            |              |      |
|--------------------------|----------------------------|--------------|------|
| Report Nu. : M-2025-0169 | Date : 2025-02-06 09:44:46 | Page : 3 / 5 | Rev: |
|--------------------------|----------------------------|--------------|------|

| Tests                 | Analysis result  | Limit Value                                                                                                                    | Method                                               | Evaluation          | Physical Condition |
|-----------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|---------------------|--------------------|
| Cut Resistance Method | Check the table. | Level A: 2 Newton<br>Level B: 5 Newton<br>Level C: 10 Newton<br>Level D: 15 Newton<br>Level E: 22 Newton<br>Level F: 30 Newton | TS EN 388+A1:2019<br>Part 6.3 / EN ISO<br>13997:2003 | Performance Level:A | -                  |

|          |        |
|----------|--------|
|          | Newton |
| Sample 1 | 2,0    |

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AB-1183-T

AB-1183-T

M-2025-0169

02-25

|                          |                            |              |      |
|--------------------------|----------------------------|--------------|------|
| Report Nu. : M-2025-0169 | Date : 2025-02-06 09:44:46 | Page : 4 / 5 | Rev: |
|--------------------------|----------------------------|--------------|------|

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.

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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

2025-02-06 09:14:28

Nesligül Arkan

Sample Acceptance and Reporting Officer

2025-02-06 09:44:41

VOLKAN AKIN

Laboratory Manager

2025-02-06 09:19:39

Report Nu. : M-2025-0169

Date : 2025-02-06 09:44:46

Page : 5 / 5

Rev:



|                          |                            |              |      |
|--------------------------|----------------------------|--------------|------|
| Report Nu. : M-2025-0170 | Date : 2025-02-06 09:42:24 | Page : 1 / 5 | Rev: |
|--------------------------|----------------------------|--------------|------|

|                        |                                                          |
|------------------------|----------------------------------------------------------|
| 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 | : 2025-01-30 17:39:09                                    |
| Analysis Date          | : 2025-01-30 18:07:20                                    |
| Sample Quantity        | : 5 Pair                                                 |
| Sample Description     | : Baymax BX-NP05                                         |
| Other informations     | :                                                        |

| Tests                                                                | Method                                    | Expected performance level | Evaluation          |
|----------------------------------------------------------------------|-------------------------------------------|----------------------------|---------------------|
| 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          |                            | -                   |
| Determination of Gloved Finger Dexterity                             | TS EN ISO 21420/A1:2024 Part 6.2          |                            | Performance Level:5 |
| Textile-Determination of pH                                          | TS EN ISO 3071:2020                       |                            | PASS                |
| Banned Azo Dyes                                                      | EN ISO 14362-1:2017 / EN ISO 17234-1:2020 |                            | PASS                |

## 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       | -                  |

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

## Measurement of Glove Length \*

Device: Ruler

|                          |                            |              |      |
|--------------------------|----------------------------|--------------|------|
| Report Nu. : M-2025-0170 | Date : 2025-02-06 09:42:24 | Page : 2 / 5 | Rev: |
|--------------------------|----------------------------|--------------|------|

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  | 247                                 | 190                           | 210                                 |
| Size 9  |                                     |                               |                                     |
| Size 10 |                                     |                               |                                     |
| Size 11 |                                     |                               |                                     |
| Size 12 |                                     |                               |                                     |
| Size 13 |                                     |                               |                                     |
| Size 14 |                                     |                               |                                     |

## 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 | -                  |

## Textile-Determination of pH \*

Device: pH meter

Extraction solution: 0,1 mol/L KCl

Measurement uncertainty:±0,055

AB-1183-T

M-2025-0170

02-25

|                          |                            |              |      |
|--------------------------|----------------------------|--------------|------|
| Report Nu. : M-2025-0170 | Date : 2025-02-06 09:42:24 | Page : 3 / 5 | Rev: |
|--------------------------|----------------------------|--------------|------|

| 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 | 21,1                        |
| Palm orange coated fabric                       | 7,1  | 20,6                        |
| Wrist White black fabric                        | 7,1  | 20,4                        |

## 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) |
|----------------------------------------------------|--------------------------|
| Palm orange coated fabric+Wrist White black fabric | <5                       |

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TS EN ISO/IEC 17025  
AB-1183-T

AB-1183-T

M-2025-0170

02-25

|                          |                            |              |      |
|--------------------------|----------------------------|--------------|------|
| Report Nu. : M-2025-0170 | Date : 2025-02-06 09:42:24 | Page : 4 / 5 | Rev: |
|--------------------------|----------------------------|--------------|------|

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\*The analysis is within the scope of accreditation.

## Note :

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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](http://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.
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The witness sample was not received.

Erhan Üstünel

Central Laboratory Responsible

2025-02-06 09:25:25

Nesligül Arkan

Sample Acceptance and Reporting Officer

2025-02-06 09:42:17

VOLKAN AKIN

Laboratory Manager

2025-02-06 09:25:35

Report Nu. : M-2025-0170

Date : 2025-02-06 09:42:24

Page : 5 / 5

Rev:



AB-1183-T

M-2025-0262

02-25

|                          |                            |              |      |
|--------------------------|----------------------------|--------------|------|
| Report Nu. : M-2025-0262 | Date : 2025-02-26 11:35:20 | Page : 1 / 2 | Rev: |
|--------------------------|----------------------------|--------------|------|

|                        |                                                          |
|------------------------|----------------------------------------------------------|
| 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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M-2025-0262

02-25

|                          |                            |              |      |
|--------------------------|----------------------------|--------------|------|
| Report Nu. : M-2025-0262 | Date : 2025-02-26 11:35:20 | Page : 2 / 2 | Rev: |
|--------------------------|----------------------------|--------------|------|

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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



**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

2502000163

02-25

**TEST REPORT**

Overall Rating:

PASS

Report Nr / Revision Nr :

2502000163

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 :

10.02.2025

Test Resulted Date :

12.02.2025

Date Release Report :

12.02.2025

Total number of pages :

3

Sample ID :

KAPLAMALI KUMAŞ-170 / BX-NP05

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

12.02.2025

Laboratory Manager

TUĞRUL PEKER

12.02.2025

P: Pass F: Fail X: NA: Not Applicable LS: Lack of Sample NR: No Requirement SC: Still Continue I: Inconclusive  
MASS Laboratuvar ve Danışmanlık A.Ş., accredited by TÜRKAK under registration number AB-1454-T for TS EN ISO/IEC 17025:2017 as test laboratory" Turkish Accreditation Agency (TURKAK) is a signatory to the European co-operation for Accreditation (EA) Multilateral Agreement (MLA) and to the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement (MRA) for the recognition of test reports. Test results, methods and other information about the sample shown in the relevant pages of this Report are based on the information specified in accordance with "Test Request Forms" conveyed to us from the Applicant. Test results are valid for the sample as identified above. Sample may not represent the lot which it belongs. This Report does not replace a Product Certificate. Full report or any part of it may not be reproduced or used for any other purpose without the written permission of MASS Laboratory. Sampling has not been done by us. Unsigned and unsealed Reports are invalid. Analysis as indicated with "" are in the Scope of our Accreditation Certificate issued from TURKAK according to TS EN ISO/IEC 17025. Possible extra notes may add with starting N1 to related pages. Tested and remaining samples will be kept in specified terms & conditions at test request and/or proposal form. Physically, chemically and microbiologically decomposed samples are discarded regardless of the storage period. Applicant can not claim any right in this regard. k=2, 95% confidence interval. This report including, requested by applicant rule applied, this information at specify in the first page. In case the decision rule is applied, the applied test and uncertainty are given with the result table and marked.



**TEST REPORT**

**Photo of the sample received**



| Sample ID                              | Part No. | Part ID                      | Explanatory Information |
|----------------------------------------|----------|------------------------------|-------------------------|
| A KAPLAMALI KUMAŞ-170 / BX-NP05 -<br>- | Part 1   | Orange coated textile fabric |                         |

**Summary of Results**

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



**TEST REPORT**

**PAH (POLI 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