

**MNA LABORATORIES
 TEST REPORT**

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| Report No: M-2020-00207 | Date: 01.03.2021 | Page: 2 / 7 | Rev:01 |
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|----------------------------|-----------------------------------------------|----------------|------------|
| Purpose of Analysis | : SPECIAL REQUEST | Brand | :MICROSAFE |
| Sample Type | : PROTECTIVE COVERALL | Model | :CA-403 |
| Sample Send Org. | : STERİL SAĞLIK ÜRÜNLERİ-ZEYNEL ABİDİN SAVRUN | Sampler | : CUSTOMER |
| Manufacturer Name | : STERİL SAĞLIK ÜRÜNLERİ-ZEYNEL ABİDİN SAVRUN | | |
| Analysis Date | : 24.07.2020 | | |
| Sample Quantity | : 15 pieces | | |
| Other informations | : - | | |

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|----|----------------------------------------------|--------------|------------|----------------------------------|------------------------------------------|-------------------------|
| 19 | Flex Cracking Resistance | 500 (Cycle) | >500 Cycle | EN ISO 7854+ BS EN 14325 Part4.5 | PERFORMANC E LEVEL:1 | |
| 20 | Penetration By Liquids- Sulphuric Acid | Penetration | 0 (%) | Max %1 | EN ISO 6530+ BS EN 14325 Part4.12,13 | PERFORMANC E LEVEL:3 |
| | | Repellency | 99 (%) | >90 | EN ISO 6530+ BS EN 14325 Part4.12,13 | |
| | | Absorption | - (%) | | EN ISO 6530+ BS EN 14325 Part4.12,13 | |
| 21 | Penetration By Liquids – Sodium Hydroxide | Penetration | 0 (%) | Max %3 | EN ISO 6530+ BS EN 14325 Part4.12,13 | PERFORMANC E LEVEL:3 |
| | | Repellency | 98 (%) | >90% | EN ISO 6530+ BS EN 14325 Part4.12,13 | |
| | | Absorption | - (%) | | EN ISO 6530+ BS EN 14325 Part4.12,13 | |
| 22 | Wet Bacterial Penetration(1. sample) | 1. plate | 3 (Cfu) | | ISO 22610:2018 + TS EN 14126 Part4.1.4.2 | |
| | | 2. plate | 3 (Cfu) | | ISO 22610:2018 + TS EN 14126 Part4.1.4.2 | |
| | | 3. plate | 4 (Cfu) | | ISO 22610:2018 + TS EN 14126 Part4.1.4.2 | |
| | | 4. plate | 3 (Cfu) | | ISO 22610:2018 + TS EN 14126 Part4.1.4.2 | |
| | | 5. plate | 2 (Cfu) | | ISO 22610:2018 + TS EN 14126 Part4.1.4.2 | |
| | | 6. plate | - (Cfu) | | ISO 22610:2018 + TS EN 14126 Part4.1.4.2 | |
| | | %Penetration | 0,13 (%) | | ISO 22610:2018 + TS EN 14126 Part4.1.4.2 | |
| 23 | Wet Bacterial Penetration(2. sample) | 1. plate | 2 (Cfu) | | ISO 22610:2018 + TS EN 14126 Part4.1.4.2 | |



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| Manufacturer Name | : STERİL SAĞLIK ÜRÜNLERİ-ZEYNEL ABİDİN SAVRUN | | |
| Analysis Date | : 24.07.2020 | | |
| Sample Quantity | : 15 pieces | | |
| Other informations | : - | | |

| Sample No | Sample Description | Plate No | Result (Cfu) | Standard |
|--------------|--------------------------------------|--------------|--------------------------------------|------------------------------------------|
| 23 | Wet Bacterial Penetration(2. sample) | 2. plate | 2 (Cfu) | ISO 22610:2018 + TS EN 14126 Part4.1.4.2 |
| | | 3. plate | 3 (Cfu) | ISO 22610:2018 + TS EN 14126 Part4.1.4.2 |
| | | 4. plate | 5 (Cfu) | ISO 22610:2018 + TS EN 14126 Part4.1.4.2 |
| | | 5. plate | 3 (Cfu) | ISO 22610:2018 + TS EN 14126 Part4.1.4.2 |
| | | 6. plate | -(Cfu) | ISO 22610:2018 + TS EN 14126 Part4.1.4.2 |
| | | %Penetration | 0,13 (%) | ISO 22610:2018 + TS EN 14126 Part4.1.4.2 |
| | | 24 | Wet Bacterial Penetration(3. sample) | 1. plate |
| 2. plate | 5 (Cfu) | | | ISO 22610:2018 + TS EN 14126 Part4.1.4.2 |
| 3. plate | 5 (Cfu) | | | ISO 22610:2018 + TS EN 14126 Part4.1.4.2 |
| 4. plate | 2 (Cfu) | | | ISO 22610:2018 + TS EN 14126 Part4.1.4.2 |
| 5. plate | 3 (Cfu) | | | ISO 22610:2018 + TS EN 14126 Part4.1.4.2 |
| 6. plate | -(Cfu) | | | ISO 22610:2018 + TS EN 14126 Part4.1.4.2 |
| %Penetration | 0,14 (%) | | | ISO 22610:2018 + TS EN 14126 Part4.1.4.2 |



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| Manufacturer Name | : STERİL SAĞLIK ÜRÜNLERİ-ZEYNEL ABİDİN SAVRUN | | |
| Analysis Date | : 24.07.2020 | | |
| Sample Quantity | : 15 pieces | | |
| Other informations | : - | | |

| Sample No | Sample Description | Plate No | Result (Cfu) | Standard |
|-----------|--------------------------------------|--------------|--------------|------------------------------------------|
| 25 | Wet Bacterial Penetration(4. sample) | 1. plate | 3 (Cfu) | ISO 22610:2018 + TS EN 14126 Part4.1.4.2 |
| | | 2. plate | 2 (Cfu) | ISO 22610:2018 + TS EN 14126 Part4.1.4.2 |
| | | 3. plate | 5 (Cfu) | ISO 22610:2018 + TS EN 14126 Part4.1.4.2 |
| | | 4. plate | 2 (Cfu) | ISO 22610:2018 + TS EN 14126 Part4.1.4.2 |
| | | 5. plate | 2 (Cfu) | ISO 22610:2018 + TS EN 14126 Part4.1.4.2 |
| | | 6. plate | -(Cfu) | ISO 22610:2018 + TS EN 14126 Part4.1.4.2 |
| | | %Penetration | 0,12 (%) | ISO 22610:2018 + TS EN 14126 Part4.1.4.2 |
| 26 | Wet Bacterial Penetration(5. sample) | 1. plate | 3 (Cfu) | ISO 22610:2018 + TS EN 14126 Part4.1.4.2 |
| | | 2. plate | 1 (Cfu) | ISO 22610:2018 + TS EN 14126 Part4.1.4.2 |
| | | 3. plate | 2 (Cfu) | ISO 22610:2018 + TS EN 14126 Part4.1.4.2 |
| | | 4. plate | 4 (Cfu) | ISO 22610:2018 + TS EN 14126 Part4.1.4.2 |
| | | 5. plate | 3 (Cfu) | ISO 22610:2018 + TS EN 14126 Part4.1.4.2 |
| | | 6. plate | -(Cfu) | ISO 22610:2018 + TS EN 14126 Part4.1.4.2 |



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| Manufacturer Name | : STERİL SAĞLIK ÜRÜNLERİ-ZEYNEL ABİDİN SAVRUN | | |
| Analysis Date | : 24.07.2020 | | |
| Sample Quantity | : 15 pieces | | |
| Other informations | : - | | |

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|----|--------------------------------------|--------------------|--------------|------------|------------------------------------------|----------------------|
| 26 | Wet Bacterial Penetration(5. sample) | %Penetration | 0,11 (%) | | ISO 22610:2018 + TS EN 14126 Part4.1.4.2 | |
| | | Total Penetration% | 0,12 (%) | t<15 min | ISO 22610:2018 + TS EN 14126 Part4.1.4.2 | PERFORMANC E LEVEL:1 |
| 27 | Seam Strength | 79,87(Newton) | | >50 N | EN ISO 13935-2 | PERFORMANC E LEVEL:2 |
| 28 | | 66,05(Newton) | | >50 N | EN ISO 13935-2 | |
| 29 | | 65,92(Newton) | | >50 N | EN ISO 13935-2 | |
| 30 | | 62,38(Newton) | | >50 N | EN ISO 13935-2 | |
| 31 | | 83,85(Newton) | | >50 N | EN ISO 13935-2 | |
| 32 | | 81,58(Newton) | | >50 N | EN ISO 13935-2 | |
| 33 | | 71,04(Newton) | | >50 N | EN ISO 13935-2 | |
| 34 | | 68,74(Newton) | | >50 N | EN ISO 13935-2 | |
| 35 | | 80,83(Newton) | | >50 N | EN ISO 13935-2 | |
| 36 | General Size Designation | Chest | 132-134 (cm) | Min 84 cm | EN ISO 13688 | PASS |
| | | Height | 190 (cm) | Min 158 cm | EN ISO 13688 | |
| 37 | Tensile Strength | 51,3(Newton) | | > 30 N | ISO 13934-1 | PERFORMANC E LEVEL:1 |
| 38 | | 43,6(Newton) | | > 30 N | ISO 13934-1 | |
| 39 | | 46,52(Newton) | | > 30 N | ISO 13934-1 | |
| 40 | | 43,34(Newton) | | > 30 N | ISO 13934-1 | |



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|----|-----------------------------------------------------|---------------------------------------------|---------------------------------------|------------------------------------------|-----------------------------------|
| 41 | Tensile Strength | 49,08(Newton) | > 30 N | ISO 13934-1 | PERFORMANC E LEVEL:1 |
| 42 | | 129,34 (Newton) | > 30 N | ISO 13934-1 | |
| 43 | | 130,73 (Newton) | > 30 N | ISO 13934-1 | |
| 44 | | 125,29 (Newton) | > 30 N | ISO 13934-1 | |
| 45 | | 117,39 (Newton) | > 30 N | ISO 13934-1 | |
| 46 | | 126,47 (Newton) | > 30 N | ISO 13934-1 | |
| 47 | Penetration by spray of liquids (Sprey Test) | 0 (cm ²) | 3 times the maximum calibration stain | BS EN ISO 17491-4 | PASS |
| 48 | Dry Microbial Penetration | 2,06 (log cfu) | 2<log cfu<3 | BS EN ISO 22612+ TS EN 14126 Part4.1.4.4 | PERFORMANC E LEVEL:1 |
| 49 | Penetration By Blood-Borne Pathogens(Bacteriophage) | 0 (PFU/ml) | 3,5 kPa | BS ISO 16604+ TS EN 14126 Part4.1.4.1 | PERFORMANC E LEVEL:3 |
| 50 | | 0 (PFU/ml) | 3,5 kPa | BS ISO 16604+ TS EN 14126 Part4.1.4.1 | |
| 51 | | 0 (PFU/ml) | 3,5 kPa | BS ISO 16604+ TS EN 14126 Part4.1.4.1 | |
| 52 | Total Inward Leakage | Ljmn:16,2/Ls:13,6 (%) | Ljmn<30 Ls<15 | ISO 13982-2 | PASS |
| 53 | Permeation by Liquids | NaOH(%40) >60 min (ug/cm ² .min) | > 60 min | ISO 6529 | PERFORMANCE LEVEL:3 (%40 NAOH) |
| 54 | Penetration by jet of liquids (Jet Test) | 0 (cm ²) | 3 times the maximum calibration stain | EN ISO 17491-3 | PASS |
| 55 | Determination of pH * | 6,88 | 3.5 < Result < 9.5 | EN 420 + A1 Part 4.3.2 TS EN ISO 3071 | PASS |

Sample Place

