

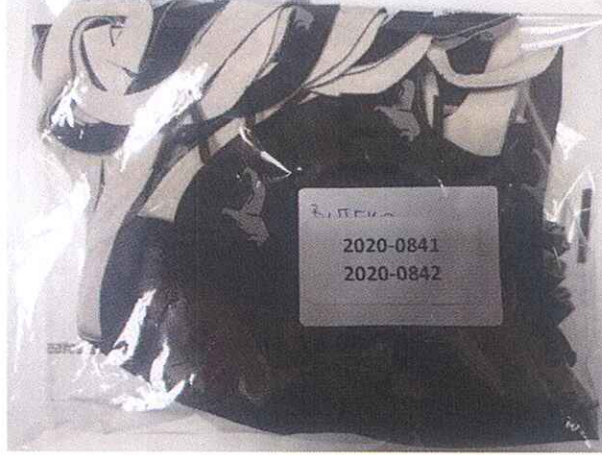


## INSPECTION REPORT

Applicant Information	Company/Institution/ Person	AKEL BASKI BOYA
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Date/ Number:	11.08.2020	
Subject:	Analysis of the biocidal mask	

### Sample Description and Image:

#### 1. Mask



Sample Acceptance Date:	11.08.2020	Number of Copies:	1
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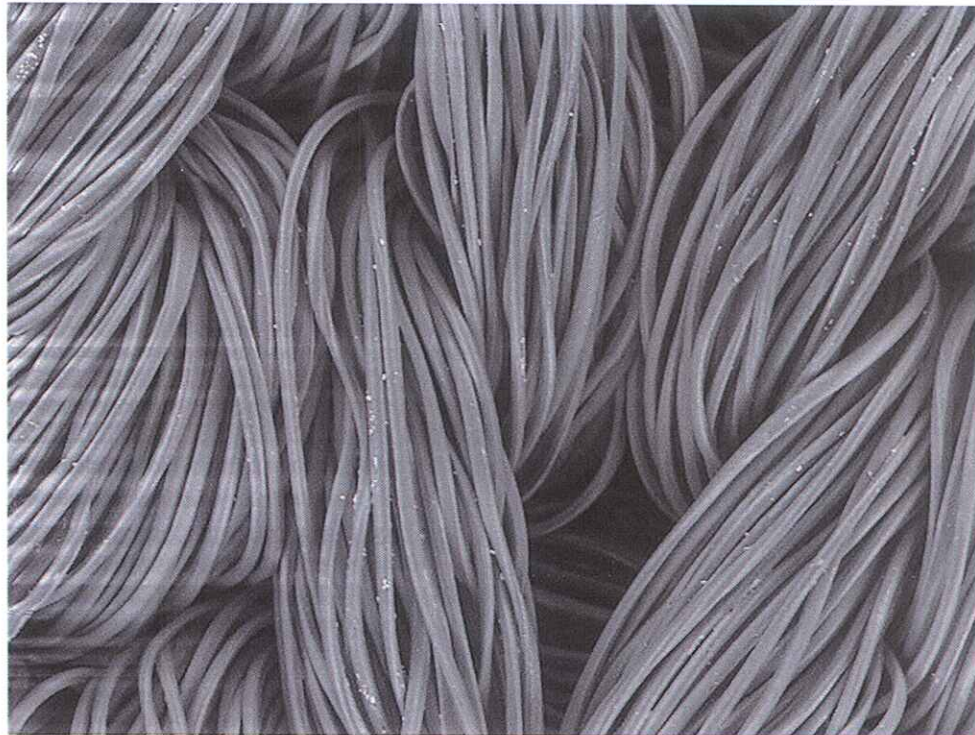
(BMM-MUA-F-07/Rev.02/24.06.2020)



TM3030Plus2315

HM D3.8 x250 300  $\mu$ m

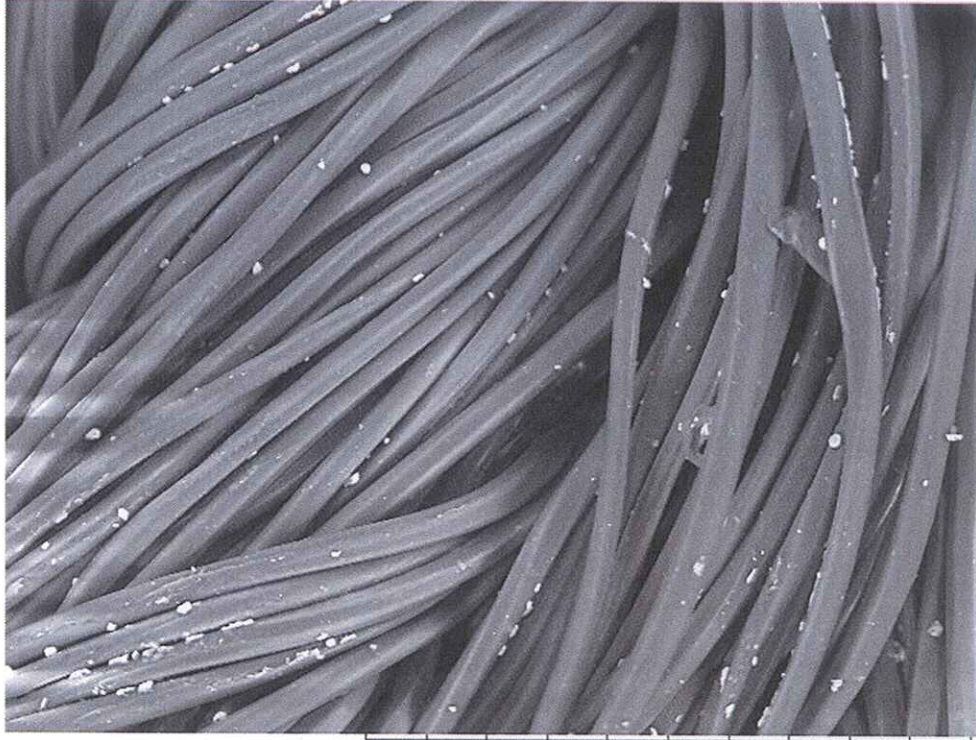
Figure 1: SEM Image of the original mask x250



TM3030Plus2318

HM D3.8 x250 300  $\mu$ m

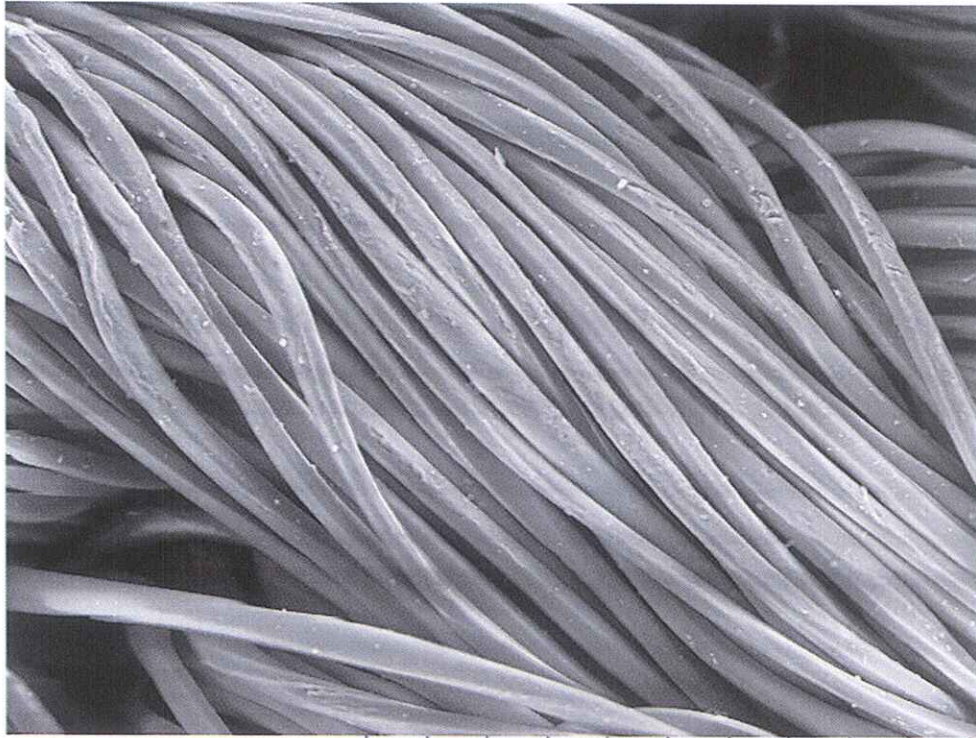
Figure 2: SEM Image of the mask after 20 washes x250



TM3030Plus2313

HM D3.8 x500 200  $\mu$ m

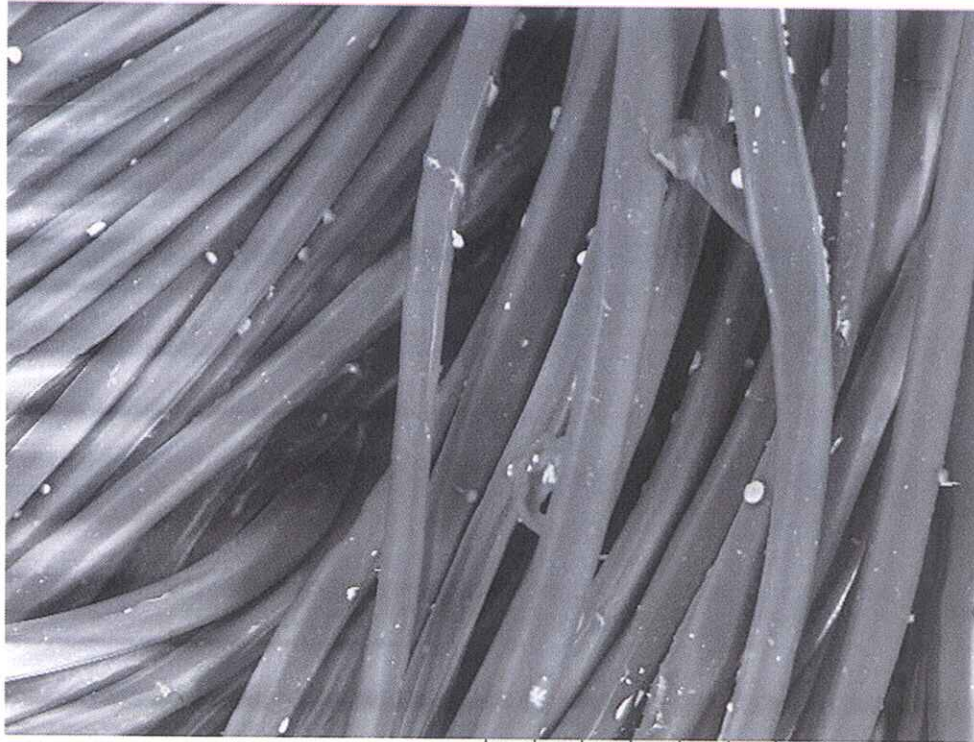
Figure 3: SEM Image of the original mask x500



TM3030Plus2303

HM D3.8 x500 200  $\mu$ m

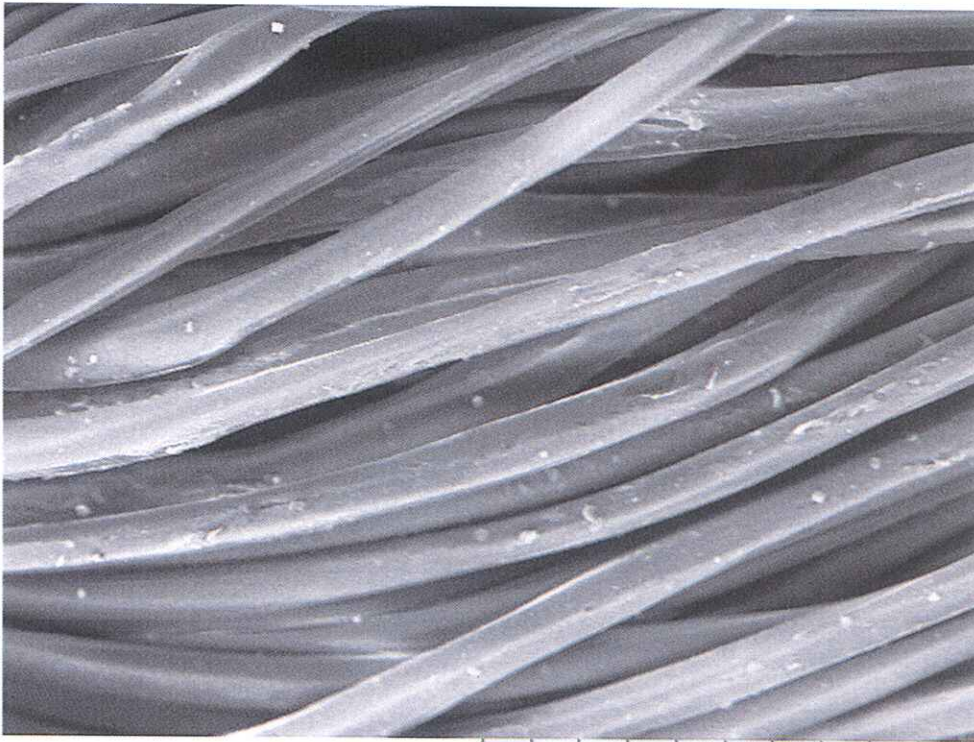
Figure 4: SEM Image of the mask after 20 washes x500



TM3030Plus2314

HM D3.8 x800 100  $\mu$ m

Figure 5: SEM Image of the original mask x800



TM3030Plus2308

HM D3.8 x800 100  $\mu$ m

Figure 6: SEM Image of the mask after 20 washes x800



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REPORT DATE: 19.08.2020

## COMMENT

Mask; before washing (in original form) and after 20 washes (washed at 60 °C according to TS EN ISO 6330:2012 standard 6N procedure and line dry) it was analysed by Scanning Electron Microscope (SEM).

In the analysis of SEM for the original mask; The chemical Biocidal (Antiviral, Antibacterial, Antifungal) product applied on the fabric is seen as particles (Figures 1, 3 and 5). In the analysis of SEM for the mask after 20 washes; although the chemical Biocidal product particles applied on the fabric have some reduction compared to the original mask, it continues to exist a small amount of presence on the fiber surfaces and inside the fibers (Figures 2, 4 and 6).

The chemical code BIOME AM5 used in the fabric is included in the "Approved Active Chemicals Products" accepted by OEKO-TEX. In addition, "European Biocidal Products Regulation" and "Biocidal Products Regulation" in Turkey within the scope of a biocidal product is registered. Therefore, it is concluded that the printed mask is resistant to washing many times during use and will not lose its biocidal properties after washing.

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## INSPECTION EXPERT

Hasan YÖRÜK

(BMM-MUA-F-07/Rev.02/24.06.2020)