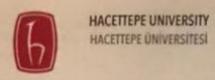
## CHEMISTRY DEPARTMENT LABORATORIES KİMYA BÖLÜMÜ LABORATUVARLARI

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## ANALYSIS REPORT

REPORT NO : 2020.1444-76

CUSTOMER ADDRESS : Platin Moda Tasarım Teks. San. ve Dış Tic.

Ltd. Şti. Çobançeşme Mah. Selvi Sokak

No: 3/Kat 3, Bahçelievler, İstanbul

SAMPLE NAME : SSMMS 55 gr BIO/FRESH

**DATE OF SAMPLE RECEIPT** : 07/10/2020 **REPORT DATE** : 26/10/2020

PERSON IN CHARGE OF TEST: Assoc. Prof. Dr. Nilay BERELI
APPROVING AUTHORITY: Prof. Dr. Adil DENIZLI

## SUBJECT

This report has been prepared upon the request of Chemical, Physical and Mechanical Analysis of the Level 3 SSMMS 55 gr sample which is delivered and belongs to Platin Moda Tasarım Teks. San. ve Dış Tic. Ltd. Şti., together with the cover letter dated 07/09/2020 and titled "Level 3 SSMMS 55 gr BIO/FRESH Analysis Report".

ANALYSIS RESULTS

ITEM NUMBER	REQUIREMENTS	RESULT	COMMENT
1.	AAMI PB70: 2012 Liquid Barrier Performance Classification of Protective Apparel		
	Resistance to microbial penetration – dry;  Standart performance; less critical area; CFU: ≤ 300  High performance; less critical area:; CFU: ≤ 300  (EN ISO 22612:2005)	Less critical area; 1.0 CFU	LEVEL 3 PASS
	Resistance to microbial penetration – wet; Standart performance; critical area: BI: ≥ 2.8  High performance; critical area: BI: 6 (EN ISO 22610:2018)	Critical area: 6.0 BI	LEVEL 3 PASS
2	Water Resistance: Hydrostatic Pressure Test According to AATCC TM 127 (2018) ≥ 50 cm	52 cm; 56 cm; 52 cm 53.33 cm (Average)	LEVEL 3 PASS
3	Water Resistance: Impact Penetration Test According to AATCC TM 42 (2017) ≤ 1.0 g	0.801 g; 0.788 g; 0.901g 0.830 g (Average)	LEVEL 3 PASS
4	Test Methods for Mass Per Unit Area Weight of Woven Fabric According to ASTM D3776 (2017)	0.088 kg/m²; 0.087 kg/m²; 0.088 kg/m² 0.0876 (3.4 ki) (4.4 kg/m²)	LEVEL 3

5	Test Methods for Breaking Strength and Elongation of Textile Fabrics (Grab Test) According to ASTM D 5034 (2017)	Longitudinal Breaking Strength; 2851 N; 2902 N; 2899 N 2884 N (Average)  Transversal Breaking Strength; 2911 N; 2901 N; 2932 N 2915 N (Average)  Longitudinal Breaking Elongation % 11%; 11%; 11% 11% (Average)  Transversal Breaking Elongation % 11%; 11%; 11% 11% (Average)	LEVEL 3 PASS
6	Test Method for Tearing Strength of Fabrics by Trapezoid Procedure according to ASTM D5587 (2019)	Machine Direction 50.3 N; 51.2 N; 50.8 N 50.767 N (Average)  Cross Direction 56.1 N; 58.2 N; 58.8 N 57.7 N (Average)	LEVEL 3 PASS
7	Standard for the Flammability of Clothing Textiles According to CPSC Part 1610 (2016)	5.1 s; 4.9 s; 5.3 s 5.1 s (Average)	LEVEL 3 PASS
8	Test Methods for Non Wovens Part 10: Lint and other particles generation in Dry State According to ISO 9073-10 (2003)  Standard performance; critical area: Log₁₀ (lint count): ≤ 4.0 less critical area: Log₁₀ (lint count): ≤ 4.0  High performance; critical area: Log₁₀ (lint count): ≤ 4.0 less critical area: Log₁₀ (lint count): ≤ 4.0 (EN ISO 9073-10 (2003))	Critical area: Log <sub>10</sub> (lint count): 2.1 Less critical area: Log <sub>10</sub> (lint count): 2.2	LEVEL 3 PASS
	Biological Evaluation of Medical Devices – Part 1: Evaluation and Testing within a Risk Management Process (ISO 10993-1:2018)	RESULTS ARE GIVEN BELOW	
9	Biological Evaluation of Medical Devices – Part 5: Test for In-Vitro Cytotoxicity (ISO 10993-5:2009)	98% Cell Viability	PASS
10	Biological Evaluation of Medical Devices – Part 10: Test for Irritation and Delayed-Type Hypersensitivity (ISO 10993-10:2010)	PII = 0.1 (Negligible)	PASS

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Prof. Dr. Adil DENIZLI Laboratory Director