



### ANALYSIS REPORT

**REPORT NO** : 2020.1444-77  
**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 BERELİ  
**APPROVING AUTHORITY** : Prof. Dr. Adil DENİZLİ

### SUBJECT

This report has been prepared upon the request of Chemical, Physical and Mechanical Analysis of the Level 4 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 4 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 and Drapes Intended for Use in Health Care Facilities		
	Resistance to microbial penetration – dry; <u>Standart performance</u> ; less critical area; CFU: $\leq 300$  <u>High performance</u> ; less critical area; CFU: $\leq 300$ (EN ISO 22612:2005)	Less critical area; 1.0 CFU	LEVEL 4 PASS
	Resistance to microbial penetration – wet; <u>Standart performance</u> ; critical area: BI: $\geq 2.8$  <u>High performance</u> ; critical area: BI: 6 (EN ISO 22610:2018)	Critical area: 6.0 BI	LEVEL 4 PASS
2	Standard Test Method for Resistance of Materials Used in Protective Clothing to Penetration by Blood-Borne Pathogens Using Phi-X174 Bacteriophage Penetration as a Test System According to ASTM-F1671/F1671 (2013)	No Penetration at 14.1 kPa	LEVEL 4 PASS



*Adil Denizli*

3	Test Methods for Mass Per Unit Area Weight of Woven Fabric According to ASTM D3776 (2017)	0.094 kg/m <sup>2</sup> ; 0.096 kg/m <sup>2</sup> ; 0.096 kg/m <sup>2</sup> 0.0953 kg/m <sup>2</sup> (Average)	LEVEL 4 PASS
4	Test Methods for Breaking Strength and Elongation of Textile Fabrics (Grab Test) According to ASTM D 5034 (2017)	Longitudinal Breaking Strength: 3019 N; 2969 N; 2992 N 2993 N (Average)  Transversal Breaking Strength: 2974 N; 2999 N; 2996 N 2990 N (Average)  Longitudinal Breaking Elongation (%) 11%; 10%; 10% 10.3% (Average) Transversal Breaking Elongation (%) 11%; 11%; 11% 11% (Average)	LEVEL 4 PASS
5	Test Method for Tearing Strength of Fabrics by Trapezoid Procedure according to ASTM D5587 (2019)	Machine Direction 70.7 N; 71.2 N; 70.7 N 70.87 N (Average)  Cross Direction 88.0 N; 87.7 N; 88.1 N 87.93 N (Average)	LEVEL 4 PASS
6	Water Resistance: Hydrostatic Pressure Test According to AATCC TM 127 (2018) $\geq 50$ cm	68 cm; 68 cm; 69 cm 68.33 cm (Average)	LEVEL 4 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 4 PASS
	Biological Evaluation of Medical Devices – Part 1: Evaluation and Testing within a Risk Management Process		
8	Biological Evaluation of Medical Devices – Part 5: Test for In – Vitro Cytotoxicity (ISO 10993-5:2009)	98% Cell Viability	PASS
9	Biological Evaluation of Medical Devices – Part 10: Test for Irritation and Delayed – Type Hypersensitivity (ISO 10993-10:2010)	PII: 0.1 (Negligible)	PASS

This report cannot be partially copied or reproduced without official permission of Hacettepe University, Chemistry Department Analysis Laboratories. The reports without a signature are invalid. The results belong only to the sample specified in the "Sample Name" section. Samples are kept for three months.



*Adil Denizli*

Prof. Dr. Adil DENİZLİ  
Laboratory Director