



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 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 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; <u>Standart performance</u> ; less critical area; CFU: ≤ 300 <u>High performance</u> ; less critical area; CFU: ≤ 300 (EN ISO 22612:2005)	Less critical area; 1.0 CFU	LEVEL 3 PASS
	Resistance to microbial penetration – wet; <u>Standart performance</u> ; critical area: BI: ≥ 2.8 <u>High performance</u> ; 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/m ² ; 0.087 kg/m ² ; 0.088 kg/m ² 0.0876 kg/m ² (Average)	LEVEL 3 PASS



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5	Test Methods for Breaking Strength and Elongation of Textile Fabrics (Grab Test) According to ASTM D 5034 (2017)	<p>Longitudinal Breaking Strength; 2851 N; 2902 N; 2899 N 2884 N (Average)</p> <p>Transversal Breaking Strength; 2911 N; 2901 N; 2932 N 2915 N (Average)</p> <p>Longitudinal Breaking Elongation % 11%; 11%; 11% 11% (Average)</p> <p>Transversal Breaking Elongation % 11%; 11%; 11% 11% (Average)</p>	LEVEL 3 PASS
6	Test Method for Tearing Strength of Fabrics by Trapezoid Procedure according to ASTM D5587 (2019)	<p>Machine Direction 50.3 N; 51.2 N; 50.8 N 50.767 N (Average)</p> <p>Cross Direction 56.1 N; 58.2 N; 58.8 N 57.7 N (Average)</p>	LEVEL 3 PASS
7	Standard for the Flammability of Clothing Textiles According to CPSC Part 1610 (2016)	<p>5.1 s; 4.9 s; 5.3 s 5.1 s (Average)</p>	LEVEL 3 PASS
8	<p>Test Methods for Non Wovens Part 10: Lint and other particles generation in Dry State According to ISO 9073-10 (2003)</p> <p><u>Standard performance;</u> critical area: Log_{10} (lint count): ≤ 4.0 less critical area: Log_{10} (lint count): ≤ 4.0</p> <p><u>High performance;</u> critical area: Log_{10} (lint count): ≤ 4.0 less critical area: Log_{10} (lint count): ≤ 4.0 (EN ISO 9073-10 (2003))</p>	<p>Critical area: Log_{10} (lint count): 2.1</p> <p>Less critical area: Log_{10} (lint count): 2.2</p>	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 DENİZLİ
Laboratory Director