

BRISBANE MOSS

M Chapman & Sons Textiles Ltd
Chapman Works
Manchester Road
Dunnockshaw
Burnley
Lancashire
United Kingdom
BB11 5PW

Tel: 01706 815121 sales@chapmangroup.co.uk www.chapmangroup.co.uk

Tel: 01706 815121 sales@brisbanemoss.co.uk www.brisbanemoss.co.uk

Technical Doc	ument	Article-		M1B		Re	lease Date-	01 November 2024
Description-	Sueded F	leavywei	ght Molesi	<u>k</u> in	Composition	n-	100% Cott	ton
Applications-	Apparel	***************************************			·····			
Weight (g/m2)	1		395				UNI 5114	
Weight Linear (g/m)			593			***************************************		
Warp Yarn per Inch			65				UNI EN 104	19/2
Weft Yarn per Inch			180					·
Warp Yarn Count		*************************	2/20s	***************************************		***************************************	ISO 7211/5	_
Weft Yarn Count		***************************************	20s					
Minimum Usable Wi	dth		146cm				UNI EN 177	73
Customs Tariff Code	(HS)		52093900					
County of Origin			Italy			***************************************		
Yarn Origin			USA/Turke	ey				
Weaving Origin			Austria	-				
Dyeing/Finishing Or	gin		Italy		***************************************	***************************************		
Sample/Bulk Leadtir)	Stock Sup	ported				
Manufacturing Feat				•				
Piece Dye		Jig Dyeir	g Method		Reactive Dy	estuffs		
Care Instructions-				<u> </u>			UNI EN ISC	3758
<u> </u>	130C)	S	\overline{a}	*	(P)			
<u>Dimensional Stabil</u>	-	133	Accommond					
Domestic Washing	ity		Warp	+/- 3%			ISO 6330:2	021
Domestic Washing			Weft	+/- 3%			100 0000.2	V 4m da
Steam Ironing			Warp	+/- 3%			DIN 53894-	. 7
otean noning			Weft	+/- 3%			D111 00001	
Dry Cleaning		******************************	Warp	+/- 3%			UNI EN ISC	3175-2
Dry Occarring			Weft	+/- 3%			OIVI LIVIOC	, 01, 0 2
Physical Features-	······		AACIT	7 370				
Tensile Strength			Warp	80kg			UNI EN ISC	13934-1
Tensite ou engar			Weft	130kg			0111 211 100	. 1000 1
Tear Strength			Warp	2100g			UNI EN ISC	13927-2
rear ou engui			Weft	2800g			OIVI LIV IOC	10027-2
Seam Slippage (6mr	n)		Warp	> 20kg			UNI EN ISC) 13935-1
ocam ouppage (om	11)		Weft	> 20kg			OTAL EIN TOC	- 10000
Abrasion Resistance	(9kPa)		Face		5 @ 30,000 Ru	hs	UNI EN ISC	12947-2
Pilling (2000 Revolut			Face	Grade 2/		~ J	UNI EN ISC	
Martindale	10113)		***************************************	Grade 4/	***************************************		20,000rpm	
Maximum Weft Skew			Face	3%			20,00011111	
Stretch and Recovery		ad	Evtor : : -				UNI EN 147	704_1
on etch and necovery	at SUN LO	au	Extension				ONI EN 14	U-4-* I
4 4		1 1	Residual	IN/A			3 4	













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			Chart	Dark Colo	urs				
		Grade Change		Cross Staining					
			in Colour	Acetate	Cotton	Polyamide	Polyester	Acrylic	Wool
Dry Cleaning	UNI EN ISO 105-D01		3	3	3	3	3	3	3
Dry Ironing	UNI EN ISO 105-X11		3	3	3	3	3	3	3
Wet Ironing	UNI EN ISO 105-X11		3	3	3	3	3	3	3
Acid Pers	UNI EN ISO 105-E04	***************************************	3	3	3	3	3	3	3
Alkaline Pers	UNI EN ISO 105-E04		3	3	3	3	3	3	3
Water	UNI EN ISO 105-E01		3	3	. 3	3	3	3	3
Washing	UNI EN ISO 105-C06		3	3	3	3	3	3	3
Dry Rubbing	UNI EN ISO 105-X12				3/4				•
Wet Rubbing	UNI EN ISO 105-X12				2/3				
Light	UNI EN ISO 105-B02	4							
	our placement of the contract asserter, benefits and a contract of the contract of								
	Change Light Colours								
		Grade	de in Colour Cross Staining		taining				
			III Cotoui	Acetate	Cotton	Polyamide	Polyester	Acrylic	Woo
Dry Cleaning	UNI EN ISO 105-D01		4	4	4	4	4	4	4
Dry Ironing	UNI EN ISO 105-X11		4	4	4	4	4	4	4
Wet Ironing	UNI EN ISO 105-X11	, -	4	4	4	4	4	4	4
Acid Pers	UNI EN ISO 105-E04		4	4	4	4	4	4	4
Alkaline Pers	UNI EN ISO 105-E04	-	4	4	4	4.	4	4, .	. 4
Water	UNI EN ISO 105-E01		4	4	4	4	4	4	4
Washing	UNI EN ISO 105-C06		4	4	4	4	4	4	4
Dry Rubbing	UNI EN ISO 105-X12				4				
Wet Rubbing	UNI EN ISO 105-X12	- 1		1	3		·	2	į
Light	UNI EN ISO 105-B02	>4			***************************************				
Chemical and	d Ecotoxicologic	al-							
pH-value Wate	er Extract		4.0 - 7.5				UNI EN ISO 3071		
Flammability			Class 1				16 CFR 1610		
Formaldehyde	9		< 16 mg/k	g			UNI EN ISO 14184/1		
Cancer-causii	ng Aromatic Amin	es	< 20 ppm				DIN EN ISO 14362/1		
REACH Compli	iant		Yes				Reg.(UE) 1	907/2006	
Standard(s)-									
Compliant with the National Standard of the People's Republic of China					a	GB18401-2	2010		
Better Cotton A							1030682-1		













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Sample Description

Sueded Heavyweight Moleskin

Customer

Brisbane Moss; Bridgeroyd Works, Todmorden, OL14 6DF

Product type

Apparel Fabric M1B100% Cotton 395 gsm

PO Number Colour

13399-6A

Contact person

DK Brown / 1419

Stephen Newham, Joshua Barker-Lockwood

Test Performed

: Selected test(s) as requested by applicant

Sample Receiving Date

15th November 2024

Testing Period

15th November 2024 - 26th November 2024

Test Result(s)

For further details, please refer to the following page(s).

Conclusion:

Test Property				
Colour Fastness to Washing	Data	Tear Strength - Trouser	Data	
Colour Fastness to Dry Cleaning	Data	Seam Slippage	Data	
Colour Fastness to Perspiration	Data	Pilling Resistance	Data	
Colour Fastness to Water	Data	Abrasion Resistance	Data	
Colour Fastness to Light*	Data	Yarn Count*	Data	
Colour Fastness to Hot Pressing*	Data	Formaldehyde*	Pass	
Colour Fastness to Rubbing	Data	pH Value	Data	
Dimensional Stability to Washing	Data	Bow & Skew**	Data	
Dimensional Stability to Dry Cleaning**	Data	Azo Dyes*	Pass	
Dimensional Stability to Free Steam (wira)*	Data	Mass per Unit Area	Data	
Tensile Strength	Data	Tear Strength - Elmandorf	Data	

^{*}Sub Contracted tests withing TUV Group Laboratories (Turkey)

Signed for and on behalf of **TÜV Rheinland UK LTD**

Christopher

Digitally signed by Christopher Clarke Date: 2024.11.27 09:49:29

Clarke

Chris Clarke

Laboratory Supervisor



^{**}Not UKAS Accredited



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Test result is drawn according to the kind and extent of tests performed.

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Results:

Sample	Result
Colour Change	4-5
Self-Staining	-
Colour Staining	Result
Acetate	4-5
Cotton	4-5
Polyamide	4-5
Polyester	4-5
Acrylic	4-5
Wool	4-5

Colour Fastness to Water BS EN ISO 105 E01: 2013	
Sample	Result
Colour Change	4-5
Self-Staining	-
Colour Staining	Result
Acetate	4-5
Cotton	4-5
Polyamide	4-5
Polyester	4-5
Acrylic	4-5
Wool	4-5
Remark: Grey Scale rating is based on the 5-st	ep scale of 1 to 5, where 1 is bad and 5 is good

Colour Fastness to Ru	bbing	· · · · · · · · · · · · · · · · · · ·				
BS EN ISO 105 X12: 20	16					
		Result				
Sample	-	Warp	Weft			
	Dry: 4-5		Dry: 4-5			
	Wet: 4	% Soak: 100	Wet: 3-4	% Soak: 100		
Atmospheric Conditio	ns: 65% RH, 20°C					
Conditioning time of s	ample and rubbing c	loth: 4 Hours				



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Colour Fastness to Light BS EN ISO 105 B02 Method 3: 2013	
Sample	
	4

Colour Fastness to Hot Pressing BS EN ISO 105 X11 @ 150°C: 1994	
Sample	
	Immediately After Testing colour Change
	Dry: 4-5
	Damp: 4-5
	Wet: 4-5
	After Conditioning Colour Change
Sample	Dry: 4-5
Campio	Damp: 4-5
	Wet: 4-5
	Colour Staining
	Damp: 4-5
	Wet: 4

olour Fastness to Dry Cleaning S EN ISO 105-D01: 2010	
	Result
Colour Change	4-5
Self-Staining	-
Colour Staining	Result
Acetate	4-5
Cotton	4-5
Polyamide	4-5
Polyester	4-5
Acrylic	4-5
Wool	4-5



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Sample	Result	
	Acid	Alkaline
Colour Change	4-5	4-5
Self-Staining		
Colour Staining	Result	Result
Acetate	4-5	4-5
Cotton	4-5	4-5
Polyamide	4-5	4-5
Polyester	4-5	4-5
Acrylic	4-5	4-5
Wool	4-5	4-5

Abrasion Resistance

(BS EN ISO 12947-2:2016/AC:2006); Martindale Wear & Abrasion Tester; 9 kPa Pressure) The criterion for judging end point was Two Threads Broken

Result

	Specimen 1	Specimen 2	Specimen 3
No Two Thread Breakdown	30,000	30,000	30,000
Colour Change At 3000 (rubs)	4-5	4-5	4-5

Remarks: Grey Scale Rating is based on the step scale of 1 to 5, where 1 is bad and 5 is good Observation Technique:40 fold magnification

		Average Result
		P: 2-3
After 2000 Rubs Rating		F: 2-3
	ng	M: 4-5



Tensile Strength (BS EN ISO 13934-1:2013)	
Direction	Result
Warp	83.9 kg
Weft	135.2 kg

Dimensional Change After Washing BS EN ISO 6330: 2012 3N @ 30°C Flat Dry	
Direction	%Change
Warp	-0.5
Weft	-3.5

Dimensional Change After Commercial Dry Cleaning (Commercial dry clean cycle)	
Direction	%Change
Warp	0.0
Weft	-0.9

Dimensional Change to Free Steam (win BS 4323: 1979	ra)
Direction	%Change
Warp	-0.5 %
Weft	-0.8 %



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Bow & Skewness ISO 13015: 2013	7 :		
Direction			
Bow		0.0 %	
Skew		0.0 %	

Yarn Count ISO 7211-5 Method A		
Sample	Result	
	Warp: Nm: 15.5, Ne: 9.1 Weft: Nm: 34.7, Ne: 20.5	
	Nm: Metric Count Ne: Cotton Count	

Formaldehyde Content ISO 14184-1: 2011	
Sample	Result
	Not Detected <16 mg/kg

pH Value ISO 3071: 2005 (withdrawn)	
	Result
Sample	pH 6.99
pH value of Grade 3 water: 7.1	
Temperature of the Grade 3 water: 18.2	



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1 COL I TOPOI C			

Seam Slippage BS EN ISO 13936-1: 2004 6mm SO	
Sample	Result
Warp	A 6mm seam opening was not found Seam breakdown > 20.0Kg
Weft	A 6mm seam opening was not found Seam breakdown > 20.0Kg
Remarks:	

Tearing Strength BS EN ISO 13937-2: 2000	
Sample	Result
Warp	2164 g
Weft	2865 g

Fabric Weight Per Unit Area (BS EN 12127:1998)		
	Result (g/m²)	
Sample	295.3 g/m²	
•	Claimed: 395 g/m²	
g/m² - grams per square meter		

Tearing Strength (BS EN ISO 13937-1:2000; Elmendorf Tea	ar)
Sample	Result
Warp	2385 g
Weft	2962 g



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4. Banned azo dyes

Test Method:

Method 1 - EN ISO 14362-1:2017 (Textiles) (Buffer extraction)
Method 2 - EN ISO 14362-1:2017 (Textiles) (Xylene extraction)
Method 3 - ISO 17234-1:2020 (Leather)
Method 4 - EN ISO 14362-3:2017 (Textile, 4-aminoazobenzene confirmation)
Method 5 - ISO 17234-2:2011 (Leather, 4-aminoazobenzene confirmation)

Test Results:

					Material No.	M001
		:			Test No.	T001-1
		Δ	22 Confir	matic	Method No.	Method 1
ID	Test Parameter	CAS NO	Unit	RL	Regulatory Requirement	Result
A1	4-Aminobiphenyl	92-67-1	mg/kg	5	30	n.d.
A2	Benzidine	92-87-5	mg/kg	5	30	n.d.
A3	4-Chloro-o-toluidine	95-69-2	mg/kg	5	30	n.d.
A4	2-Naphthylamine	91-59-8	mg/kg	5	30	n.d.
A5*	o-Aminoazotoluene	97-56-3	mg/kg	5	30	n.d.
A6*	5-nitro-o-toluidine / 2-Amino-4- nitrotoluene	99-55-8	mg/kg	5	30	n.d.
A7	4-Chloroaniline	106-47-8	mg/kg	5	30	n.d.
A8	4-methoxy-m-phenylenediamine / 2,4-Diaminoanisole	615-05-4	mg/kg	5	30	n.d.
A9	4,4'-Diaminodiphenylmethane	101-77-9	mg/kg	5	30	n.d.
A10	3,3'-Dichlorobenzidine	91-94-1	mg/kg	5	30	n.d.
A11	3,3'-Dimethoxybenzidine	119-90-4	mg/kg	5	30	n.d.
A12	3,3'-Dimethylbenzidine	119-93-7	mg/kg	5	30	n.d.
A13	4,4'-methylenedi-o-toluidine / 3,3'-Dimethyl-4,4'- diaminodiphenylmethane	838-88-0	mg/kg	5	30	n.d.
A14	p-Cresidine	120-71-8	mg/kg	5	30	n.d.
A15	4,4'-Methylene-bis-(2- chloroaniline)	101-14-4	mg/kg	5	30	n.d.
A16	4,4'-Oxydianiline	101-80-4	mg/kg	5	30	n.d.
A17	4,4'-Thiodianiline	139-65-1	mg/kg	5	30	n.d.
A18	o-Toluidine	95-53-4	mg/kg	5	30	n.d.
A19	4-methyl-m-phenylenediamine / 2,4-Toluylendiamine	95-80-7	mg/kg	5	30	n.d.
A20	2,4,5-Trimethylaniline	137-17-7	mg/kg	5	30	n.d.
A21	O-Anisidine	90-04-0	mg/kg	5	30	n.d.
A22**	4-Aminoazobenzene	60-09-3	mg/kg	5	30	n.d.
A23^	2,4-xylidine	95-68-1	mg/kg	5 .	30	n.d.
A24^	2,6-xylidine	87-62-7	mg/kg	5	30	n.d.
*2	2-Naphthyl-ammoniumacetate	553-00-4	mg/kg	5	30	n.d.
A26	4-chloro-o-toluidinium chloride	3165-93-3	mg/kg	5	30	n.d.
A25	4-chloro-o-toluidinium chloride	3165-93-3	mg/kg	5	30	n.d.
A27	4-Methoxy-m-phenylene diammonium sulphate	39156-41-7	mg/kg	5	30	n.d.
A28	2,4,5-trimethylaniline hydrochloride	21436-97-5	mg/kg	5	30	n.d.



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Remark:

- * The CAS-number 97-56-3 (A5) and 99-55-8 (A6) are further reduced to CAS-number 95-53-4 (A18) and 95-80-7 (A19).
- ** Azo colorants that are able to form 4-aminoazobenzene (A22) CAS-number 60-09-3, generate under the condition of this method Aniline (CAS-number 62-53-3) and 1,4-phenylenediamine (CAS-number 106-50-3.)
- Azo colorants that are able to form 4-aminoazobenzene (A22), is confirmed by EN ISO 14362-3:2017 / ISO 17234-2:2011.
- **** Azo colorants are detected & quantified by GC/MS and confirmed by HPLC/DAD or HPLC/MSMS.

-End of Test Report-



Test Report No. 28515403 Date: 25th November 2024 Page 1 of 4

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description

Sueded Heavyweight Moleskin

Customer

Brisbane Moss; Bridgeroyd Works, Todmorden, OL14 6DF

Product type

Apparel M1B 100% Cotton 395 gsm

PO Number

10372R-6B

Colour

: Gold / 987

Contact person

Stephen Newham, Joshua Barker-Lockwood

Test Performed

: Selected test(s) as requested by applicant

Sample Receiving Date

15th November 2024

Testing Period

15th November 2024 – 25th November 2024

Test Result(s)

For further details, please refer to the following page(s).

Conclusion:

Test Property		
Colour Fastness to Washing	Data	
Colour Fastness to Dry Cleaning	Data	
Colour Fastness to Perspiration	Data	
Colour Fastness to Water	Data	
Colour Fastness to Light*	Data	
Colour Fastness to Hot Pressing*	Data	
Colour Fastness to Rubbing	Data	

^{*}Sub Contracted tests withing TUV Group Laboratories (Turkey)

Signed for and on behalf of TÜV Rheinland UK LTD

Christopher

Digitally signed by Christopher Clarke

Clarke

Date: 2024.11.25 14:22:02 Z

Chris Clarke

Laboratory Supervisor

UKAS
TESTING

8400

Test result is drawn according to the kind and extent of tests performed.

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Results:

Colour Fastness to Washing Washing Condition: A2S, 30°C (Deviation) With ECE(B) + Sodium Perborate, 10 Steel Balls.		
Sample	Result	
Colour Change	4-5	
Self-Staining	-	
Colour Staining		
Acetate	4-5	
Cotton	4-5	
Polyamide	4-5	
Polyester	4-5	
Acrylic	4-5	
Wool	4-5	
Remark: Grey Scale rating is based on the 5-ste	p scale of 1 to 5, where 1 is bad and 5 is good	

Colour Fastness to Water BS EN ISO 105 E01: 2013		
Sample	Result	
Colour Change	4-5	
Self-Staining	-	
Colour Staining		
Acetate	4-5	
Cotton	4-5	
Polyamide	4-5	
Polyester	4-5	
Acrylic	4-5	
Wool	4-5	
Remark: Grey Scale rating is based on the 5-step scale of 1 to 5, where 1 is bad and 5 is good		

Colour Fastness to Rubbi BS EN ISO 105 X12: 2016	ng	3		
-			Result	
Sample	Warp Weft			
	Dry: 4-5	Wet: 4-5	Dry: 4-5	Wet: 4-5
Atmospheric Conditions:	65% RH, 20°C			
Conditioning time of samp	ole and rubbing c	loth: 4 Hours		



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Colour Fastness to Light BS EN ISO 105 B02 Method 3: 2013	
Sample	
	>4

Colour Fastness to Hot Pressing BS EN ISO 105 X11 @ 150°C: 1994	
Sample	
	Immediately After Testing Colour Change
	Dry: 4-5
	Damp: 4-5
	Wet: 4-5
:	After Conditioning Colour Change
Sample	Dry: 4-5
	Damp: 4-5
	Wet: 4-5
	Colour Change
	Damp: 4-5
	Wet: 4-5

Colour Fastness to Dry Cleaning BS EN ISO 105-D01: 2010	
	Result
Colour Change	4-5
Self-Staining	-
Colour Staining	
Acetate	4-5
Cotton	4-5
Polyamide	4-5
Polyester	4-5
Acrylic	4-5
Wool	4-5
Remark: Grey Scale rating is based on the 5	step scale of 1 to 5, where 1 is bad and 5 is good



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Colour Fastness To Perspiration BS EN ISO 105-E04: 2013				
Sample	Result			
	Acid	Alkaline		
Colour Change	4-5	4-5		
Self-Staining	-	-		
Colour Staining	Result	Result		
Acetate	4-5	4-5		
Cotton	4-5	4-5		
Polyamide	4-5	4-5		
Polyester	4-5	4-5		
Acrylic	4-5	4-5		
Wool	4-5	4-5		
Remark: Grey Scale rating is based on the 5-st	ep scale of 1 to 5, where 1 is bad and 5	is good		

-End of Test Report-



Test Report No. 28515601 Date: 14th February 2025 Page 1 of 8

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description

: Sueded Heavyweight Moleskin

Customer

: Brisbane Moss; Bridgeroyd Works, Todmorden, OL14 6DF

Product type

: Apparel M1B 100% Cotton 395 g/m²

PO Number

: 13397-22A

Colour

: Black / 3213

Contact person

Stephen Newham, Joshua Barker-Lockwood

Test Performed

: Selected test(s) as requested by applicant

Sample Receiving Date

3rd February 2025

Testing Period

3rd February 2025 – 14th February 2025

Test Result(s)

For further details, please refer to the following page(s).

Conclusion:

Test Property – REACH Annex XVII				
Aromatic Amine Salts*	Pass			
Dimethyl Fumarate*	Pass			
Migration of Heavy Metals*	Pass			
Flame Retardants*	Pass			
AP + APEO (Alkylphenols, Alkylphenol Ethoxylates)*	Pass			
Quinoline*	Pass			
Polycyclic Aromatic Hydrocarbons (PAHs)*	Pass			
Pentachlorophenol (PCP) Content*	Pass			
Per – and Polyfluoroalkyl Substances (PFAS)*	Pass			
Organotin Compounds Content*	Pass			

^{*}Sub Contracted tests withing TUV Group Laboratories (Turkey)

Signed for and on behalf of TÜV Rheinland UK LTD

Christopher

Digitally signed by Christopher Clarke

Clarke

Date: 2025.02.14 07:49:33 Z

Chris Clarke

Laboratory Supervisor

Test result is drawn according to the kind and extent of tests performed.

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Test Report	No. 28515601	Date: 14th February 2025	Page 2 of 8
Test Report	NO. 20313001	Date. 14 February 2025	rage 2 01 0

Material No.	Material	Color	Location
M001	Textile	Black	Woven base

Results:

1. Aromatic Amine Salts

Test Method: DIN EN ISO 14362-1:2017

DIN EN ISO 14362-3:2017 Analyzed by GC-MSD

Test Result:

				Test No.	T001
				Material No.	M001
Test Parameter	CAS NO	Unit	RL	Regulatory Requirement	Result
4-chloro-o-toluidinium chloride	3165-93-3	mg/kg	5	30	n.d.
4-methoxy-m-phenylene diammonium sulphate; 2,4- diaminoanisole sulphate	39156-41-7	mg/kg	5	30	n.d.
2,4,5-trimethylaniline hydrochloride	21436-97-5	mg/kg	5	30	n.d.
2-Naphthyl- ammoniumacetate	553-00-4	mg/kg	5	30	n.d.
Conclusion				-	,

Abbreviation: n.d. = Not Detected (< Reporting Limit)

RL = Reporting Limit

mg/kg = milligram per kilogram

2.Dimethyl fumarate (CAS No.624-49-7)

Test Method: Organic solvent extraction, GCMS analysis

Test Result:

Test No.	Material No.	Test Parameter	Unit	RL	Regulatory Requirement	Test Result
T001	M001	Dimethyl fumarate	mg/kg	0.025	0.1	n.d.

Abbreviation: < = less than

RL = Reporting Limit

mg/kg = milligram per kilogram



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3. Migration of Heavy Metals

Test Method: All materials expect leather: DIN EN 16711-2:2016

Leather: DIN EN ISO 17072-1:2019

Test Result:

			Test No.	T001
			Material No.	M001
Test Parameter	Unit	RL	Customer Requirement	Result
Arsenic (As)	mg/kg	0.1	< 1 mg/kg each	n.d.
Cadmium (Cd)	mg/kg	0.05	< 1 mg/kg each	n.d.
Chromium (Cr)	mg/kg	0.5	< 1 mg/kg each	n.d.
Lead (Pb)	mg/kg	0.2	< 1 mg/kg each	n.d.
Conclusion				Pass

Abbreviation: < = less than

RL = Reporting Limit

mg/kg = milligram per kilogram



Test Report No. 28515601 Date: 14th February 2025 Page 4 of 8

4.Flame Retardants

Test Method:

1. Organic solvent extraction, GCMS/LCMSMS

2. Acid digestion, analyzed by ICP-MS

				Test No.	T001
				Material No.	M001
Test Parameter	CAS No.	Unit	RL	Formulation	Test
				Limit	Result
Octabromodiphenyl	32536-52-0	mg/k	100	< 1000	n.d.
ether (OctaBDE)	×	g		mg/kg	
Tris(2-	115-96-8	mg/k	100	< 1000	n.d.
chloroethyl)phosphate		g		mg/kg	
(TCEP)					61
Tris(2,3,-	126-72-7	mg/k	100	not used	n.d.
dibromopropyl)-		g			
phosphate (TRIS)	ā.				
Decabromodiphenyl	1163-19-5	mg/k	100	< 1000	n.d.
ether (DecaBDE)		g		mg/kg	· , "
Pentabromodiphenyl	32534-81-9	mg/k	100	< 500	n.d.
ether (PentaBDE)		g		mg/kg	
Tris(1-	545-55-1	mg/k	100	not used	n.d.
aziridinyl)phosphineoxi		g			
de) (TEPA)					
Polybromobiphenyls	59536-65-1	mg/k	100	not used	n.d.
(PBB)		g			
Hexabromocyclododec	3194-55-6	mg/k	100	< 100	n.d.
ane(HBCDD)		g		mg/kg	
Heptabromodiphenyl	68928-80-3	mg/k	100	< 500	n.d.
ether (HeptaBDE)		g		mg/kg	
Hexabromodiphenyl	36483-60-0	mg/k	100	< 500	n.d.
ether (HexaBDE)		g		mg/kg	
Tetrabromodiphenyl	40088-47-9	mg/k	100	< 500	n.d.
ether (TetraBDE)		g		mg/kg	

Abbreviation: < = less than

RL = Reporting Limit ppm = part per million



Test Report Date: 14th February 2025 No. 28515601 Page 5 of 8

5.AP + APEO (Alkylphenois, Alkylphenol Ethoxylates)

Test Method:

ISO 18254-1:2016

NP and OP: Organic solvent extraction, GCMS NPEO and OPEO: Organic solvent extraction, LC-MS

Test Result:

Test No.	Material No.	Test Parameter	Unit	RL	Regulatory Requirement	Test Result
	M001	Nonylphenols (NP)	mg/kg	5	-	n.d.
		Octylphenols (OP)	mg/kg	5	-	n.d.
T001		Nonylphenolethoxylates (NPEO)	mg/kg	20	< 100 mg/kg	n.d.
		Octylphenolethoxylates (OPEO)	mg/kg	20	< 100 mg/kg	n.d.

Abbreviation: n.d. = not detected (< Reporting Limit)

RL = Reporting Limit

mg/kg = milligram per kilogram NA = Not Applicable

6.Quinoline

Test Method:

Ref. to DIN 54231:2022

Test Result:

Test No.	Material No.	Test Parameter	CAS No.	Unit	RL	Regulatory Requirement	Test Result	Conclusion
T001	M001	Quinoline	91-22-5	mg/kg	10	50	n,d.	Pass

Abbreviation: < = less than

RL = Reporting Limit

mg/kg = milligram per kilograms



Test Report Date: 14th February 2025 Page 6 of 8 No. 28515601

7. Polycyclic aromatic hydrocarbons (PAHs)

Test Method: AfPS GS 2019:01

Test Result:

				Test No.	T001
<u>la</u>				Material No.	M001
Test Parameter	CAS NO	Unit	RL	Regulatory Requirement	Result
Benzo[a]anthracene	56-55-3	mg/kg	0.2	< 1 mg/kg	n.d.
Benzo[a]pyrene(BaP)	50-32-8	mg/kg	0.2	≤ 1 mg/kg	n.d.
Benzo[b]fluoranthene	205-99-2	mg/kg	0.2	< 1 mg/kg	n.d.
Benzo[k]fluoranthene	207-08-9	mg/kg	0.2	< 1 mg/kg	n.d.
Benzo[j]fluoranthene	205-82-3	mg/kg	0.2	< 1 mg/kg	n.d.
Benzo[e]pyrene	192-97-2	mg/kg	0.2	< 1 mg/kg	n.d.
Chrysene	218-01-9	mg/kg	0.2	< 1 mg/kg	n.d.
Dibenzo[a,h]anthracene	53-70-3	mg/kg	0.2	< 1 mg/kg	n.d.
Naphthalene	91-20-3	mg/kg	0.2	< 1 mg/kg	n.d.
Anthracene	120-12-7	mg/kg	0.2		n.d.
Benzo[g,h,i]perylene	191-24-2	mg/kg	0.2		n.d.
Fluoranthene	206-44-0	mg/kg	0.2	Sum 10	n.d.
Indeno[1,2,3-cd]pyrene	193-39-5	mg/kg	0.2		n.d.
Phenanthrene	85-01-8	mg/kg	0.2		n.d.
Pyrene	129-00-0	mg/kg	0.2		n.d.

Abbreviation: < = less than

RL = Reporting Limit

NA = Not Applicable mg/kg = milligram per kilogram

8.Pentachlorophenol (PCP) Content

Test Method: Ref. to 64 LFGB B82.02-8:2001

Test result

				Control of the contro		
Test No.	Material No.	Test Parameter	Unit	RL	Regulatory Requirement	Test Result
T001	M001	Pentachlorophenol (PCP)	mg/kg	0.1	≤ 5 mg/kg	n.d.

Abbreviation: < = less than

RL = Reporting Limit

mg/kg = milligram per kilogram



Test Report	No. 28515601	Date: 14th February 2025	Page 7 of 8
Legi I/choir	140. 20010001	Buto. 14 1 columny 2020	9

9.Per-and polyfluoroalkyl substances(PFAS)

Test Method:

Reference EN 17681-1:2022/EN 17681-2:2022, determination by CI-GCMS, GC-

MSMS and LC-MSMS.

Test Result:

				Test No.	T001
				Material No.	M001
Test Parameter	CAS NO	Unit	RL	Customer's requirement	Result
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	μg/m²	1	< 1 μg/m²	n.d.
Perfluorooctane sulfonamide (PFOSA)	754-91-6	μg/m²	1	< 1 μg/m²	n.d.
Perfluorooctanoic acid (PFOA)	335-67-1	μg/m²	1	< 1 μg/m²	n.d.
Sodium perfluorooctanoate (PFOA-Na)	335-95-5	mg/kg	. 1	< 1 μg/m²	n.d.
Potassium perfluorooctanoate (PFOA-K)	2395-00-8	mg/kg	1	< 1 μg/m²	n.d.
Silver perfluorooctanoate (PFOA-Ag)	335-93-3	mg/kg	1	< 1 μg/m²	n.d.
Perfluorooctanoyl fluoride (PFOA-F)	335-66-0	mg/kg	1	< 1 μg/m²	n.d.
Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	mg/kg	. 1	< 1 μg/m²	n.d.
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	mg/kg	1	< 1 μg/m²	n.d.
1H,1H,2H,2H-Perfluorododecanol (10:2 FTOH)	865-86-1	mg/kg	1	< 1 μg/m²	n.d.
Perfluorocylethanol 8:2 (8:2 FTOH)	678-39-7	mg/kg	1 .	< 1 μg/m²	n.d.
Conclusion					Pass

Abbreviation: <= Less than

RL = Reporting Limit

mg/kg = milligram per kilogram µg/m² = microgram per square metre



Test Report No. 28515601 Date: 14th February 2025 Page 8 of 8

10.Organotin compounds content

Test Method:

Organic solvent extraction, GCMS

Ref. to ISO/TS 16179:2012

			Test No.	T001
			Material No.	M001
Test Parameter	Unit	RL	Regulatory Requirement	Result
TBT(Tributyltin) by weight of tin	%	0.01	< 0.1 %	n.d.
TPT(Triphenyltin) by weight of tin	%	0.01	< 0.1 %	n.d.
TOT(Trioctyltin) by weight of tin	%	0.01	< 0.1 %	n.d.
TCyT(Tricyclohexyltin) by weight of tin	%	0.01	< 0.1 %	n.d.
TPrT(Tripropyltin) by weight of tin	%	0.01	< 0.1 %	n.d.
Sum of Tin of tri- substituted organotins	%	NA	< 0.1 %	n.d.
DBT(Dibutyltin) by weight of tin	%	0.01	< 0.1 %	n.d.
DOT(Dioctyltin) by weight of tin	%	0.01	< 0.1 %	n.d.

Abbreviation: < = less than

RL = Reporting Limit % = percentage NA = Not Applicable

-End of Test Report-



BV CPS TEST LABORATUVARLARI LTD. STI. BUREAU VERITAS CONSUMER PRODUCTS

SERVICES

Yalcin Kores Cad. No:22 Erdinc Binalari A Blok 1.Kule 1.Kat 34209 Gunesli, Istanbul / Turkey Tel:+90.212.494 35 35 Fax:+90.212.494 35 60 email:info.turkey@bvcps.com.tr website: www.bureauveritas.com/cps





10 - 25

TEST REPORT

LAB LOCATION: TURKEY **SERVICE TYPE: Regular** LAB NUMBER: (7225)287-0344

THE DATE OF RECEIPT OF TEST ITEM: October 14, 2025

START DATE FOR TESTING: October 14, 2025

DATE END OF TEST: October 16, 2025 **NUMBER OF WORKING DAYS: 3.0**

CUSTOMER NAME /

ADDRESS

CONTACT NAME

: M CHAPMAN&SONS LTD

(Address: Chapman Works, Manchester Road, Dunnockshaw, Bumley

BB121 5PW)

(Attn: Paige Newham-Foulds)

BUYER

SUPPLIER REFERENCE

: Style Number: / PO Number: 13397

Unique Product Code: 3213

SAMPLE DESCRIPTION

: Woven Fabric Sample (M1B)

(Claimed Fiber Content: 100% Cotton)

(Claimed Fabric Weight: /)

COLOUR

: Black

SUBMITTED CARE INSTRUCTION:

REASON FOR REVISION



Date Out (16/10/2025)

Aley Meltem Senior Client Team Lead

Hasan Altıngul **Deputy General Manager Operations** (16/10/2025)

BV CPS Test Laboratuvarları Ltd. Sti. accredited by TÜRKAK under registration number AB-0505-T for TS EN ISO/IEC 17025:2017 as test laboratory.

Turkish Accreditation Agency (TURKAK) is a signatory to the European co-operation for Accreditation (EA) Multilateral Agreement (MLA) and to the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement (MRA) for the recognition of test reports.

Recognition Arrangement (MRA) for the recognition of test reports.

This report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of issuance of this report at http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/ and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainties is only provided upon request for accredited tests. The test and/or measurement results in uncertainties (if applicable) with confidence probability and test methods are given on the following pages which are part of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty into account, unless otherwise requested in writing. You have 60 days from the date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raises which issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents. Testing reports without signature are not valid. BV CPS Test Laboratories is not responsible for deviations for the accuracy of the information provided by the customer that may affect the validity



AB-0505-T

72252870344

10-25

SUMMARY OF TEST RESULTS

TEST PERFORMED	PASS	FAIL	DATA		
Flammability Of Clothing Textiles*	X				
* TURKAK Accredited- See Appendix A					

RE	REMARKS							
1		P: Pass, F: Fail, DATA: No Evaluation, N/A: Not Applicable						
2	:	*The reported expanded uncertainty is based on the standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95%. Unless otherwise is specified, the uncertainty of measurement has not been taken into account when assessing pass/fail of the sample against the requirements of the standard. In case consideration of measurement uncertainties when assessing pass/fail limits, some results may be in borderline. Information on uncertainty is contained in appendix A on this report.						
3	:	The test and/or measurement results, the uncertainties (if applicable) with confidence probability and test methods are given on the following pages which are part of this report.						

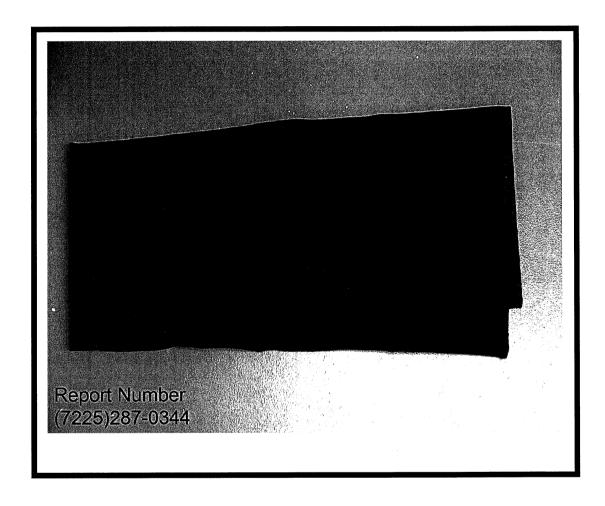


AB-0505-T

72252870344

10-25

ORIGINAL (SAMPLE IMAGE)





AB-0505-T

72252870344

10-25

TEST RESULTS

REQUIREMENTS

FLAMMABILITY OF CLOTHING TEXTILES (16 CFR 1610)

SAMPLE DESCRIPTION:

WOVEN FABRIC

FIBER CONTENT:

100% COTTON

FABRIC WEIGHT:

1

FABRIC SURFACE:

RAISED FIBER SURFACE

DIRECTION TO BE TESTED:

BACK / LENGTHWISE

(FROM PRELIMINARY TEST)

AS RECEIVED

AFTER REFURBISHING

TIME OF FLAME SPREAD (S)	BURN CODE	TIME OF FLAME SPREAD (S)	BURN CODE
1 / 2 / 3 / 4 / 5 /	1 SF POI 2 SF POI 3 SF POI 4 SF POI 5 SF POI	P1 / P2 / P3 / P4 / P5 /	P1 SF POI P2 SF POI P3 SF POI P4 SF POI P5 SF POI
AVG/_SECO DNI IBE SF UC	ONDS FOR#/_SPECIMENS DID NOT IGNITE. IGNITED, BUT EXTINGUISHED. SURFACE FLASH, UNDER THE S THREAD.	AVG/_SECONDS F	
SF PW	SURFACE FLASH, PART WAY. N DID NOT REACH THE STOP THRI		JSE THE SURFACE FLASH
SF POI	SURFACE FLASH, AT THE POIN NOT IGNITE" FOR PLAIN SURFACE	T OF IMPINGEMENT ON	LY. (EQUIVALENT TO "DID
0.0 SEC. 0.0 SF ONLY 0.0 SFBB	ACTUAL BURN TIME MEASURED TIME IN SECONDS, SURFACE FL TIME IN SECONDS, SURFACE F THAN THE POINT OF IMPINGEME TIME IN SECONDS, SURFACE I	AND RECORDED BY THE ASH ONLY. NO DAMAGE FLASH BASE BURN STAF ENT AS A RESULT OF SUI FLASH BASE BURN STA	TO THE BASE FABRIC. RTING AT PLACES OTHER RFACE FLASH. RTING AT THE POINT OF
0.0 SFBB POI*	IMPINGEMENT. THIS RESULT D CURRENT INTERPRETATION OF TIME IN SECONDS, SURFACE I POINT OF IMPINGEMENT. THE A STATEMENT: "UNABLE TO MAKI BASE BURNS." THIS STATEMEN THERE IS A QUESTION AS TO OF	PART OF 16 CFR PART 1 FLASH BASE BURN POS STERISK (*) IS ACCOMPA E ABSOLUTE DETERMIN T IS ADDED TO THE RES	610. SSIBLY STARTING AT THE ANIED BY THE FOLLOWING ATION AS TO SOURCE OF SULT OF ANY SPECIMEN IF
COMMENTS:	DASS CLASS 1 NODMAL ELAMA	IARILITY OF COMMERCIA	L STANDARD 16 CER 1610

COMMENTS:

PASS CLASS 1, NORMAL FLAMMABILITY OF COMMERCIAL STANDARD 16 CFR 1610, FORMERLY 191-53 OF UNITED STATES FLAMMABILITY FABRIC ACT.

^{**}Indicates does not meet the requirements

APPENDIX A –LIST OF MEASUREMENT UNCERTAINTIES		
TEST/NAME 1	STANDARD NAME, J	MEASUREMENT UNCERTAINTY
FLAMMABILITY OF CLOTHING TEXTILES	16 CFR 1610	±7,9 %

-END OF REPORT-