

Testing Report



Colour Fastness	Test Items	Methods of Testing	Colour No.	1 RAP000	2 RAP3	3 RAP9	4 RAP13	5 RAP103	6 RAP104
	Ultraviolet carbon arc lamp light (Grade)	JIS L 0842	change in colour	>4	>4	>4	4	4	4
	Washing and Laundering (Grade)	JIS L 0844 Method A-2	change in colour	4-5	4-5	4-5	4-5	4-5	4-5
			staining	5 5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5
	Perspiration (Grade)	JIS L 0848	acid	change in colour	4-5	4-5	4-5	4-5	4-5
			staining	5 5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5
	Rubbing (Grade)	JIS L 0849 Type II	alkali	change in colour	4-5	4-5	4-5	4-5	4-5
			staining	5 5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5
	Water (Grade)	JIS L 0846	dry	change in colour	5	4-5	4-5	4-5	4-5
			wet	5	4-5	4-5	4-5	3-4	2-3
Dry cleaning (Grade)	JIS L 0860 Method A-1	change in colour	4-5	4-5	4-5	4-5	4-5	4-5	
		staining	5	4-5	4-5	4-5	4-5	4-5	
Bleeding (Grade)	DAIMARU Method I	solution staining	5	4-5	4-5	4-5	4-5	4-5	

Colour Fastness	Test Items	Methods of Testing	Colour No.	7 RAP306	8 RAP21	9 RAP999	10 RAP101	11 RAP302	12 RAP307
	Ultraviolet carbon arc lamp light (Grade)	JIS L 0842	change in colour	>4	4	>4	4	4	>4
	Washing and Laundering (Grade)	JIS L 0844 Method A-2	change in colour	4-5	4-5	4-5	4-5	4-5	4-5
			staining	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5
	Perspiration (Grade)	JIS L 0848	acid	change in colour	4-5	4-5	4-5	4-5	4-5
			staining	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5
	Rubbing (Grade)	JIS L 0849 Type II	alkali	change in colour	4-5	4-5	4-5	4-5	4-5
			staining	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5
	Water (Grade)	JIS L 0846	dry	change in colour	4-5	4-5	4	4-5	4-5
			wet	3	2-3	(2)	3-4	4-5	4
Dry cleaning (Grade)	JIS L 0860 Method A-1	change in colour	4-5	4-5	4-5	4-5	4-5	4-5	
		staining	4-5	4-5	4-5	4-5	4-5	4-5	
Bleeding (Grade)	DAIMARU Method I	solution staining	4-5	4-5	4-5	4-5	4-5	4-5	

() Standard Unattained

1 white	2 off white	3 khaki beige	4 silver	5 L grey	6 M grey
7 D grey	8 charcoal	9 black	10 l beige	11 beige	12 raw umber

Applicant	MONTELUCE/MARUYASU Corporation
	OKUBO
	3-21-5,Ryogoku, Sumida-Ku, Tokyo, Japan
	TEL: +81-3-3633-5561 FAX: +81-3-3633-5531
Article	RAPTOR 2/5.5
	36 Pieces
	COTTON 100%

Laboratory	THE JAPAN COTTON & STAPLE FIBER FABRIC INSPECTING INSTITUTE FOUNDATION	
	1-10-5, Komagome, Toshima-ku, Tokyo, Japan	
	TEL 03-3943-3174 FAX 03-3943-3183	
	Date	2023/3/2
	Test No.	TO-2301157-2-1/3
	Inspection House	Tokyo Test Center
Inspector	Kanzaki	
Adjacent Fabric	Cotton / Nylon (multifiber fabric)	

Quantitative analysis of fibre mixtures (%)	
	試(東)様式 TO-5-2

Testing Report



Colour Fastness	Test Items		Methods of Testing	Colour No.	13 RAP303	14 RAP102	15 RAP320	16 RAP305	17 RAP7	18 RAP8
	Ultraviolet carbon arc lamp light (Grade)		JIS L 0842	change in colour	4	4	4	>4	>4	4
	Washing and Laundering (Grade)		JIS L 0844 Method A-2	change in colour	4-5	4-5	4-5	4-5	4-5	4-5
				staining	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5
	Perspiration (Grade)		JIS L 0848	acid	change in colour	4-5	4-5	4-5	4-5	4-5
				staining	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5
	Rubbing (Grade)		JIS L 0849 Type II	dry	4-5	4-5	4-5	4-5	4-5	4-5
				wet	4-5	3-4	2-3	4	2-3	2-3
	Water (Grade)		JIS L 0846	change in colour	4-5	4-5	4-5	4-5	4-5	4-5
	Dry cleaning (Grade)		JIS L 0860 Method A-1	change in colour	4-5	4-5	4-5	4-5	4-5	4-5
staining				4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	
Bleeding (Grade)		DAIMARU Method I	solution staining	4-5	4-5	4-5	4-5	4-5	4-5	

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Article	RAPTOR 2/5.5	
	36 Pieces	
COTTON		100%

Colour Fastness	Test Items		Methods of Testing	Colour No.	19 RAP301	20 RAP304	21 RAP312	22 RAP316	23 RAP321	24 RAP308
	Ultraviolet carbon arc lamp light (Grade)		JIS L 0842	change in colour	4	>4	>4	4	>4	4
	Washing and Laundering (Grade)		JIS L 0844 Method A-2	change in colour	4-5	4-5	4-5	4-5	4-5	4-5
				staining	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5
	Perspiration (Grade)		JIS L 0848	acid	change in colour	4-5	4-5	4-5	4-5	4-5
				staining	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5
	Rubbing (Grade)		JIS L 0849 Type II	dry	4-5	4-5	4-5	4-5	4-5	4-5
				wet	4-5	4-5	4	4	2-3	4-5
	Water (Grade)		JIS L 0846	change in colour	4-5	4-5	4-5	4-5	4-5	4-5
	Dry cleaning (Grade)		JIS L 0860 Method A-1	change in colour	4-5	4-5	4-5	4-5	4-5	4-5
staining				4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	
Bleeding (Grade)		DAIMARU Method I	solution staining	4-5	4-5	4-5	4-5	4-5	4-5	

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	FAX 03-3943-3183	
	Date	2023/3/2
	Test No.	TO-2301157-2-2/3
	Inspection House	Tokyo Test Center
Inspector	Kanzaki	
Adjacent Fabric	Cotton / Nylon (multifiber fabric)	

13 cafe latte	14 D beige	15 D brown	16 cocoa	17 D red	18 maroon
19 pink beige	20 rose grey	21 taupe	20 salviablue	raspberry	24 mint

Quantitative analysis of fibre mixtures (%)	
JIS L 1030-2	

Testing Report



Colour Fastness	Test Items	Methods of Testing	Colour No.	25 RAP310	26 RAP318	27 RAP17	28 RAP18	29 RAP5	30 RAP311	
	Colour Fastness	Ultraviolet carbon arc lamp light (Grade)	JIS L 0842	change in colour	>4	>4	>4	>4	>4	>4
Washing and Laundering (Grade)		JIS L 0844 Method A-2	change in colour	4-5	4-5	4-5	4-5	4-5	4-5	
			staining	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	
			solution staining	4-5	4-5	4-5	4-5	4-5	4-5	
Perspiration (Grade)		JIS L 0848	acid	change in colour	4-5	4-5	4-5	4-5	4-5	4-5
				staining	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5
			alkali	change in colour	4-5	4-5	4-5	4-5	4-5	4-5
				staining	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5
Rubbing (Grade)		JIS L 0849 Type II	dry	4	4	4-5	4-5	4-5	4-5	
			wet	2-3	2-3	2-3	4	3-4	3-4	
Water (Grade)	JIS L 0846	change in colour	4-5	4-5	4-5	4-5	4-5	4-5		
		staining	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5		
Dry cleaning (Grade)	JIS L 0860 Method A-1	change in colour	4-5	4-5	4-5	4-5	4-5	4-5		
		staining	4-5	4-5	4-5	4-5	4-5	4-5		
		solution staining	4-5	4-5	4-5	4-5	4-5	4-5		
Bleeding (Grade)	DAIMARU Method I	staining								

Colour Fastness	Test Items	Methods of Testing	Colour No.	31 RAP6	32 RAP314	33 RAP19	34 RAP313	35 RAP309	36 RAP20	
	Colour Fastness	Ultraviolet carbon arc lamp light (Grade)	JIS L 0842	change in colour	>4	>4	>4	4	4	>4
Washing and Laundering (Grade)		JIS L 0844 Method A-2	change in colour	4-5	4-5	4-5	4-5	4-5	4-5	
			staining	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	
			solution staining	4-5	4-5	4-5	4-5	4-5	4-5	
Perspiration (Grade)		JIS L 0848	acid	change in colour	4-5	4-5	4-5	4-5	4-5	4-5
				staining	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5
			alkali	change in colour	4-5	4-5	4-5	4-5	4-5	4-5
				staining	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5
Rubbing (Grade)		JIS L 0849 Type II	dry	4-5	4-5	4-5	4-5	4-5	4-5	
			wet	3-4	3-4	3-4	4	3	(2)	
Water (Grade)	JIS L 0846	change in colour	4-5	4-5	4-5	4-5	4-5	4-5		
		staining	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5		
Dry cleaning (Grade)	JIS L 0860 Method A-1	change in colour	4-5	4-5	4-5	4-5	4-5	4-5		
		staining	4-5	4-5	4-5	4-5	4-5	4-5		
		solution staining	4-5	4-5	4-5	4-5	4-5	4-5		
Bleeding (Grade)	DAIMARU Method I	staining								

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SAMPLE	25 applegreen	26 peacock	27 D green	28 lime	29 camel	30 orange
	31 copper	32 skyblue	33 blue	34 wash denim	35 indigo	36 navy

Quantitative analysis of fibre mixtures (%)	
JIS L 1030-2	