

# Testing Report

Colour Fastness	Test Items	Methods of Testing	Colour No.	1 PCE07	2 PCE24	3 PCE09	4 PCE225	5 PCE18	6 PCE22
	Colour Fastness	Ultraviolet carbon arc lamp light (Grade)	JIS L 0842	change in colour	>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	5   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
			alkali	staining	5   5	5   5	4-5   4-5	4-5   4-5	4-5   4-5
Rubbing (Grade)		JIS L 0849 Type II	dry	5	5	4-5	4-5	4-5	4-5
			wet	5	5	4-5	4-5	4-5	4-5
Water (Grade)		JIS L 0846	change in colour	4-5	4-5	4-5	4-5	4-5	4-5
			staining	5   5	5   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		5	5	4-5	4-5	4-5	4-5	
Bleeding (Grade)	DAIMARU Method I	staining							
Colour Fastness	Test Items	Methods of Testing	Colour No.	7 PCE23	8 PCE216	9 PCE13	10 PCE12	11 PCE14	12 PCE212
	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	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	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
		alkali	staining	4-5   4-5	4-5   4-5	4-5   4-5	4-5   4-5	4-5   4	4-5   4-5
Rubbing (Grade)	JIS L 0849 Type II	dry	4-5	4-5	4-5	4-5	4-5	4-5	4-5
		wet	4-5	3-4	(2-3)	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	4-5
		staining	4-5   4-5	4-5   4-5	4-5   4-5	4-5   4-5	4-5   3-4	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	4-5
		staining	4-5	4-5	4-5	4-5	4-5	4-5	
Bleeding (Grade)	DAIMARU Method I	staining							

( ) Standard Unattained

SAMPLE	1 white	2 ivory	3 platinum	4 ash green	5 pearl gray	6 silver
	MENKEN	MENKEN	MENKEN	MENKEN	MENKEN	MENKEN
	7 greige	8 d.gray	9 charcoal	10 khaki	11 black	12 Y.beige
	MENKEN	MENKEN	MENKEN	MENKEN	MENKEN	MENKEN

Applicant	MONTELUCE/MARUYASU Corporation	
	OKUBO	
	Proof PLUS ECO clear	
Article	51 Pieces	
	POLYESTER	65%
	COTTON	35%

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	2023/12/19
	Test No.	TO-2310402-2-1/5
Inspection House	Tokyo Test Center	
Inspector	Kanzaki	
Adjacent Fabric	Cotton / Nylon (multifiber fabric)	

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

# Testing Report

Colour Fastness	Test Items	Methods of Testing	Colour No.	13 PCE21	14 PCE42	15 PCE25	16 PCE207	17 PCE206	18 PCE220
		Ultraviolet carbon arc lamp light (Grade)	JIS L 0842	change in colour	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
	Perspiration (Grade)	JIS L 0848	acid	change in colour	4-5	4-5	4-5	4-5	4-5
			alkali	change in colour	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	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
	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	staining						

Colour Fastness	Test Items	Methods of Testing	Colour No.	19 PCE208	20 PCE209	21 PCE27	22 PCE218	23 PCE214	24 PCE30
		Ultraviolet carbon arc lamp light (Grade)	JIS L 0842	change in colour	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
	Perspiration (Grade)	JIS L 0848	acid	change in colour	4-5	4-5	4-5	4-5	4-5
			alkali	change in colour	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	3-4	4	3	4-5	4-5
	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
	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	staining						

Applicant	MONTELUCE/MARUYASU Corporation	
	OKUBO	
	Proof PLUS ECO clear	
Article	51 Pieces	
	POLYESTER	65%
	COTTON	35%

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	TEL 03-3943-3174 FAX 03-3943-3183	
	Date	2023/12/19
	Test No.	TO-2310402-2-2/5
Inspection House	Tokyo Test Center	
Inspector	<i>Kanzaki</i>	
Adjacent Fabric	Cotton / Nylon (multifiber fabric)	

SAMPLE	13 cream	14 beige	15 lemon	16 yellow	17 dandelion	18 orange
	19 P.orange	20 D.orange	21 camel	22 D.brown	23 L.mint	24 mint

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

# Testing Report

Test Items	Methods of Testing	Colour No.	25 PCE33	26 PCE201	27 PCE223	28 PCE31	29 PCE32	30 PCE227
			4	4	4	>4	>4	4
Ultraviolet carbon arc lamp light (Grade)	JIS L 0842	change in colour	4-5	4-5	4-5	4-5	4-5	4-5
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
		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
			staining	4-5	4-5	4-5	4-5	4-5
		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
Rubbing (Grade)	JIS L 0849 Type II	dry	4-5	4-5	4-5	4-5	4-5	
		wet	2-3	3-4	4	3	3	
Water (Grade)	JIS L 0846	change in colour	4-5	4-5	4-5	4-5	4-5	
		staining	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	
		staining	4-5	4-5	4-5	4-5	4-5	
		solution staining	4-5	4-5	4-5	4	4	
Bleeding (Grade)	DAIMARU Method I	staining						

  

Test Items	Methods of Testing	Colour No.	31 PCE39	32 PCE221	33 PCE219	34 PCE222	35 PCE37	36 PCE203
			>4	>4	4	4	>4	4
Ultraviolet carbon arc lamp light (Grade)	JIS L 0842	change in colour	4-5	4-5	4-5	4-5	4-5	4-5
Washing and Laundering (Grade)	JIS L 0844 Method A-2	change in colour	4	4-5	4-5	4-5	4-5	4-5
		staining	4-5	4-5	4-5	4-5	4-5	
		solution staining	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	4-5	4-5	4-5
		alkali	change in colour	4-5	4-5	4-5	4-5	4-5
			staining	4-5	4	4-5	4-5	4-5
Rubbing (Grade)	JIS L 0849 Type II	dry	4-5	4-5	4-5	4-5	4-5	
		wet	(2-3)	3	3	4-5	4-5	
Water (Grade)	JIS L 0846	change in colour	4-5	4-5	4-5	4-5	4-5	
		staining	4-5	4	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	
		staining	4-5	4-5	4-5	4-5	4-5	
		solution staining	4	4-5	4-5	4-5	4-5	
Bleeding (Grade)	DAIMARU Method I	staining						

( ) Standard Unattained

SAMPLE	25 teal	26 peacock	27 L.green	28 green	29 forest	30 viridian
	31 tomato	32 D.red	33 plum	34 L.pink	35 pink	36 lilac

Applicant	MONTELUCE/MARUYASU Corporation
	OKUBO
	Proof PLUS ECO clear
Article	51 Pieces
	POLYESTER 65% COTTON 35%

Laboratory	THE JAPAN COTTON & STAPLE FIBER FABRIC INSPECTING INSTITUTE FOUNDATION	
	1-10-5, Komagome, Toshima-ku, Tokyo, Japan	
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	Date	2023/12/19
	Test No.	TO-2310402-2-3/5
	Inspection House	Tokyo Test Center
Inspector	Kanzabur	
Adjacent Fabric	Cotton / Nylon (multifiber fabric)	

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

# Testing Report

Colour Fastness	Test Items	Methods of Testing	Colour No.	37 PCE210	38 PCE40	39 PCE205	40 PCE215	41 PCE16	42 PCE200
	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
			alkali	change in colour	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	3	4-5	4	3	3
	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	
Bleeding (Grade)	DAIMARU Method I	staining							

Colour Fastness	Test Items	Methods of Testing	Colour No.	43 PCE11	44 PCE08	45 PCE03	46 PCE01	47 PCE04	48 PCE34
	Ultraviolet carbon arc lamp light (Grade)	JIS L 0842	change in colour	4	>4	4*	>4	3-4	>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
			alkali	change in colour	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	(2)	4-5	4	4	3
	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	4-5   4-5	4   4	4   4	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	
Bleeding (Grade)	DAIMARU Method I	staining							

\* Fluorescent yellowing

( ) Standard Unattained

SAMPLE	37 pansy	33 purple	39 L.blue	40 ocean blue	41 blue	42 royal blue
	43 night blue	44 navy	45 B.yellow	46 spreng	47 B.green	48 turquoise

Applicant	MONTELUCE/MARUYASU Corporation
	OKUBO
	Proof PLUS ECO clear
Article	51 Pieces
	POLYESTER 65% COTTON 35%

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	2023/12/19
	Test No.	TO-2310402-2-4/5
	Inspection House	Tokyo Test Center
Inspector	Kanagahi	
Adjacent Fabric	Cotton / Nylon (multifiber fabric)	

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

# Testing Report

Colour Fastness	Test Items	Methods of Testing	Colour No.	49 PCE15	50 PCE05	51 PCE06	52	53	54
	Ultraviolet carbon arc lamp light (Grade)	JIS L 0842	change in colour	4	3	4			
	Washing and Laundering (Grade)	JIS L 0844 Method A-2	change in colour	4-5	4-5	4-5			
			staining	4-5	4-5	4-5			
	Perspiration (Grade)	JIS L 0848	acid	change in colour	4-5	4-5	4-5		
			staining	4-5	4-5	4-5	4-5	4-5	
			alkali	change in colour	4-5	4-5	4-5		
				staining	4-5	4-5	4-5	4-5	4-5
	Rubbing (Grade)	JIS L 0849 Type II	dry	4-5	4	4-5			
			wet	3	3-4	3			
Water (Grade)	JIS L 0846	change in colour	4-5	4-5	4-5				
		staining	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				
		staining	4-5	4-5	4-5	4-5	4-5		
Bleeding (Grade)	DAIMARU Method I	staining	4-5	3-4	4				

Colour Fastness	Test Items	Methods of Testing	Colour No.	55	56	57	58	59	60
	Ultraviolet carbon arc lamp light (Grade)	JIS L 0842	change in colour						
	Washing and Laundering (Grade)	JIS L 0844 Method A-2	change in colour						
			staining						
	Perspiration (Grade)	JIS L 0848	acid	change in colour					
			staining						
			alkali	change in colour					
				staining					
	Rubbing (Grade)	JIS L 0849 Type II	dry						
			wet						
Water (Grade)	JIS L 0846	change in colour							
		staining							
Dry cleaning (Grade)	JIS L 0860 Method A-1	change in colour							
		staining							
Bleeding (Grade)	DAIMARU Method I	staining							

SAMPLE	49 aqua	50 B.orange	51 B.pink	52	53	54
	55	56	57	58	59	60

Applicant	MONTELUCE/MARUYASU Corporation
	OKUBO
Article	Proof PLUS ECO clear
	51 Pieces
	POLYESTER 65% COTTON 35%

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	2023/12/19
	Test No.	TO-2310402-2-5/5
	Inspection House	Tokyo Test Center
	Inspector	Kanzaki
Adjacent Fabric	Cotton / Nylon (multifiber fabric)	

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