

# Testing Report



Colour Fastness	Test Items	Methods of Testing	Colour No.	1 HBM1	2 HBM65	3 HBM7	4 HBM8	5 HBM63	6 HBM39
	Colour Fastness	Ultraviolet carbon arc lamp light (Grade)	JIS L 0842	change in colour	4	4	3-4	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
			solution staining	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	5	4-5	4-5	4-5	4-5	4-5
			wet	5	4-5	4-5	4-5	3-4	3
Water (Grade)		JIS L 0846	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
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	
		solution staining	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.	7 HBM51	8 HBM52	9 HBM5	10 HBM6	11 HBM33	12 HBM66
	Colour Fastness	Ultraviolet carbon arc lamp light (Grade)	JIS L 0842	change in colour	4	4	>4	3	3
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
			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	2-3	(2)	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	4-5 4-5	4-5 4-5	4-5 4	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							

( ) Standard Unattained

Applicant	MONTELUCE/MARUYASU Corporation	
	RI	
	3-21-5,Ryogoku, Sumida-Ku, Tokyo, Japan	
Article	TEL: +81-3-3633-5561 FAX: +81-3-3633-5531	
	2/34 BALLOON COTTON 1/4 BALLOON COTTON5 1/2.7 BALLOON COTTON7	
	54 Pieces	
COTTON 50% ACRYLIC 50%		

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	2023/1/17
	Test No.	TO-2210964-2-1/5
	Inspection House	Tokyo Test Center
Inspector	Kanzaki	
Adjacent Fabric	Cotton / Nylon (multifiber fabric)	

SAMPLE	1 off white	2 platinum	3 L gray	4 M gray	5 metal gray	6 steel gray
	7 brown purple	8 gray	9 black	10 pearl beige	11 L beige	12 sand beige

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

# Testing Report



Test Items	Methods of Testing	Colour No.	13 HBM36	14 HBM37	15 HBM38	16 HBM34	17 HBM35	18 HBM46	
			Ultraviolet carbon arc lamp light (Grade)	JIS L 0842	change in colour	>4	(3-4)	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	
		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	4-5
			staining	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		
		wet	4-5	3	4	4-5	4		
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	4-5	4-5		
Bleeding (Grade)	DAIMARU Method I	staining							

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	54 Pieces	

Test Items	Methods of Testing	Colour No.	19 HBM67	20 HBM23	21 HBM24	22 HBM31	23 HBM30	24 HBM70	
			Ultraviolet carbon arc lamp light (Grade)	JIS L 0842	change in colour	>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	
		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	4-5
			staining	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		
		wet	4-5	3-4	3-4	3	3-4		
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	4-5	4-5		
Bleeding (Grade)	DAIMARU Method I	staining							

COTTON	50%
ACRYLIC	50%

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Date	2023/1/17
Test No.	TO-2210964-2-2/5
Inspection House	Tokyo Test Center
Inspector	Kanzaki
Adjacent Fabric	Cotton / Nylon (multifiber fabric)

( ) Standard Unattained

13 greige	14 mocha	15 ash brown	16 M beige	17 khaki beige	18 brow n
19 pale yellow	20 lemon	21 yellow	22 orange	23 coral	24 carrot

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

# Testing Report



Test Items		Methods of Testing	Colour No.	25 HBM71	26 HBM27	27 HBM53	28 HBM74	29 HBM61	30 HBM32
Colour Fastness	Ultraviolet carbon arc lamp light (Grade)	JIS L 0842	change in colour	>4	>4	>4	3-4	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
			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
			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	2-3	3	4-5	4	2-3
	Water (Grade)	JIS L 0846	change in colour	4-5	4-5	4-5	4-5	4-5	4-5
			staining	4-5	4	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	
		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							

  

Test Items		Methods of Testing	Colour No.	31 HBM40	32 HBM29	33 HBM69	34 HBM28	35 HBM45	36 HBM54
Colour Fastness	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
			solution staining	4-5	4-5	4-5	4-5	4-5	4-5
	Perspiration (Grade)	JIS L 0848	acid	change in colour	4	4	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	2-3	4-5	4	3	4-5	4
	Water (Grade)	JIS L 0846	change in colour	4-5	4-5	4-5	4-5	4-5	4-5
			staining	4-5	3	4-5	4-5	4-5	3-4
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	
		solution staining	4-5	4-5	4-5	4-5	4-5	4-5	
Bleeding (Grade)	DAIMARU Method I	staining							

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Article	2/34 BALLOON COTTON	
	1/4 BALLOON COTTON5	
1/2.7 BALLOON COTTON7		
54 Pieces		
COTTON 50%		
ACRYLIC 50%		

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	FAX 03-3943-3183	
	Date	2023/1/17
	Test No.	TO-2210964-2-3/5
Inspection House	Tokyo Test Center	
Inspector	Kanzaki	
Adjacent Fabric	Cotton / Nylon (multifiber fabric)	

( ) Standard Unattained

SAMPLE	25 brick	26 red	27 wine	28 lavender	29 hyacinth	30 purple
	31 D purple	32 peach	33 pink	34 magenta	35 ash pink	36 fogpurple

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

# Testing Report



Colour Fastness	Test Items		Methods of Testing	Colour No.	37 HBM68	38 HBM25	39 HBM26	40 HBM72	41 HBM41	42 HBM73	
	Ultraviolet carbon arc lamp light (Grade)		JIS L 0842	change in colour	3-4	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				4-5	4	(2)	2-3	2-3	2-3		
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	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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Article	2/34 BALLOON COTTON 1/4 BALLOON COTTON5 1/2.7 BALLOON COTTON7	
	54 Pieces	

Colour Fastness	Test Items		Methods of Testing	Colour No.	43 HBM64	44 HBM43	45 HBM47	46 HBM9	47 HBM20	48 HBM22	
	Ultraviolet carbon arc lamp light (Grade)		JIS L 0842	change in colour	4	4	>4	(3未満)	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	
				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 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				2-3	2-3	3	4-5	3-4	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 4-5	4-5 4-5	4-5 4-5	4-5 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		
			solution staining	4-5	4-5	4-5	4-5	4-5	4-5		
Bleeding (Grade)		DAIMARU Method I	staining								

COTTON	50%
ACRYLIC	50%

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Date	2023/1/17
Test No.	TO-2210964-2-4/5
Inspection House	Tokyo Test Center
Inspector	Kanzaki
Adjacent Fabric	Cotton / Nylon (multifiber fabric)

( ) Standard Unattained

37 mint	38 acid green	39 green	40 viridian	41 D green	42 turquoise
43 peacock	44 forest	45 ash green	46 snow beach	47 aqua	48 sky blue

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

# Testing Report



Test Items		Methods of Testing	Colour No.	49 HBM21	50 HBM10	51 HBM62	52 HBM11	53 HBM13	54 HBM4
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
	Perspiration (Grade)	JIS L 0848	acid	change in colour	4-5	4-5	4-5	4-5	4-5
			alkali	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	4-5
			wet	2-3	4-5	3	2-3	2-3	2-3
	Water (Grade)	JIS L 0846	change in colour	4-5	4-5	4-5	4-5	4-5	4-5
			staining	4-5	4	4-5	4-5	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	staining	4-5	4-5	4-5	4-5	4-5	4-5	
Test Items		Methods of Testing	Colour No.	55	56	57	34	59	60
Colour Fastness	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					
			alkali	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							

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Article	2/34 BALLOON COTTON 1/4 BALLOON COTTON5 1/2.7 BALLOON COTTON7
	54 Pieces
	COTTON 50% ACRYLIC 50%

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Inspector	Kanazaki	
Adjacent Fabric	Cotton / Nylon (multifiber fabric)	

( ) Standard Unattained

SAMPLE	49 sapphire	50 bleach denim	51 iron blue	52 sunset	53 wash denim	54 navy
	55	56	57	58	59	60

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