



**DANH MỤC PHÉP THỬ ĐƯỢC CÔNG NHẬN**

*LIST OF ACCREDITED TESTS*

(Kèm theo Quyết định số: /QĐ-VPCNCL ngày tháng 04 năm 2024  
của Giám đốc Văn phòng Công nhận chất lượng)

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Tên phòng thí nghiệm: **Eurofins MTS Consumer Product Testing (Cambodia) Co., Ltd.**

Laboratory: ***Eurofins MTS Consumer Product Testing (Cambodia) Co., Ltd.***

Cơ quan chủ quản: **Eurofins MTS Consumer Product Testing (Cambodia) Co., Ltd.**

Organization: ***Eurofins MTS Consumer Product Testing (Cambodia) Co., Ltd.***

Lĩnh vực thử nghiệm: **Cơ**

Field of testing: ***Mechanical***

Người quản lý/  
Laboratory manager: **Stalin Durairaj**

Số hiệu/ Code: **VILAS 1534**

Hiệu lực công nhận/  
Period of Validation: **từ ngày /04 /2024 đến ngày /04/2027**

Địa chỉ/ Address: **No.1452, St. Betong, Kauk Chambak village, Chaom Chao 1 Quarter,  
Po Senchey District, Phnom Penh, Cambodia (Postal Code: 120909)**

Địa điểm/Location: **No.1452, St. Betong, Kauk Chambak village, Chaom Chao 1 Quarter,  
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**Lĩnh vực thử nghiệm: Cơ**

**Field of testing: Mechanical**

<b>TT No.</b>	<b>Tên sản phẩm, vật liệu được thử <i>Materials or product tested</i></b>	<b>Tên phép thử cụ thể <i>The name of specific tests</i></b>	<b>Giới hạn định lượng (nếu có)/Phạm vi đo <i>Limit of quantitation (if any)/ range of measurement</i></b>	<b>Phương pháp thử <i>Test method</i></b>
1.	<b>Textiles</b>	Determination of colour fastness to laundering	0.5 grade/ Grade (1 ~ 5)	ISO 105 C06:2010 BS EN ISO 105 C06:2010 AATCC TM61-2013e(2020)e2
2.		Determination of colour fastness to perspiration	0.5 grade/ Grade (1 ~ 5)	AATCC TM15-2021e ISO 105 E04:2013 BS EN ISO 105 E04:2013
3.		Determination of colour fastness to crocking/ rubbing	0.5 grade/ Grade (1 ~ 5)	AATCC TM8-2016e(2022)e ISO 105 X12:2016 BS EN ISO 105 X12:2016
4.		Assessment of potential to phenolic yellowing of materials	0.5 grade/ Grade (1 ~ 5)	ISO 105 X18:2007
5.		Determination of colour fastness to storage: Dye Transfer	0.5 grade/ Grade (1 ~ 5)	AATCC TM163-2013 (2020)e2
6.		Determination of Colour fastness to Ozone	0.5 grade/ Grade (1 ~ 5)	AATCC TM109-2011(2016)e
7.		Determination of Colour fastness to light: Xenon - Arc	0.5 grade/ Grade (1 ~ 5)	AATCC TM16.3-2020
8.		Determination of colour fastness to water	0.5 grade/ Grade (1 ~ 5)	AATCC TM107-2022 ISO 105 E01:2013
9.		Determination of colour fastness to dry cleaning	0.5 grade/ Grade (1 ~ 5)	AATCC TM132-2004e3 (2013)e3 ISO 105 D01:2010
10.		Determination of colour fastness to chlorine bleach, non-chlorine bleach	0.5 grade/ Grade (1 ~ 5)	AATCC TS-001 (version 0300A:Technical Supplement)
11.		Determination of colour fastness to artificial Saliva	0.5 grade/ Grade (1 ~ 5)	DIN 53160-1:2010
12.		Determination of colour fastness to artificial Sweat	0.5 grade/ Grade (1 ~ 5)	DIN 53160-2:2010
13.	<b>Textile fabrics</b>	Test of Water Repellency. Spray method	Grade (1 ~ 5) Grade (0 ~ 100)	AATCC TM22-2017e ISO 4920:2012
14.	<b>Textiles, Garments</b>	Determination of dimensional change in washing	---	AATCC TM135-2018t AATCC TM150-2018t ISO 5077:2007 BS EN ISO 5077:2008

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15.	<b>Textiles</b>	Determination of Smoothness appearance of fabrics after repeated home laundering	0.5 grade/ Grade (1~5)	AATCC TM124-2018t ISO 7768:2009
16.		Determination of Skewness after Laundering		AATCC TM179-2019 ISO 16322-1:2005(E) ISO 16322-2:2005(E) ISO 16322-3:2005(E)
17.		Fiber Analysis: Qualitative and Quantitative	(0 ~ 100) %	AATCC TM20-2021 AATCC TM20A- 2021 ISO 1833-2/12/18: 2020 ISO 1833-5/8: 2006 ISO 1833-3/21: 2019 ISO 1833-4/11: 2017 ISO 1833-20: 2018
18.		Determination of mass per unit area (weight) of fabric	0.1 g/m <sup>2</sup>	ASTM D3776/D3776M-20 Option C ISO 3801:1977 Method 05
19.		<b>Leather</b>	Determination of Thickness	(0 ~ 30) mm
20.	<b>Textiles</b>	Determination of number of threads per unit length	1 thread	ASTM D3775-17e1(2023) ASTM D3887-07A(2019)e1 ISO 7211-2:1984 Method A & B
21.		Determination of Breaking Strength of Textile Fabrics. Grab Method	0.1 N/ (0 ~ 5 000) N	ASTM D5034-21
22.		Determination of maximum force. Grab method	0.1N / (0 ~ 5 000) N	ISO 13934-2:2014 BS EN ISO 13934- 2:2014
23.		Determination of tearing strength of farbrics. Falling-Pendulum (Elmendorf-Type) method	0.1 g / (0 ~ 25 600) g	ASTM D1424-21
24.		Determination of Tearing strength Ballistic pendulum method (Elmendorf)	0.1 g/ (0 ~ 6 400) g	ISO 13937-1:2000 BS EN ISO 13937-1:2000 ASTM D2261-13 (2017)e1
25.		Determination of tear force of trouser shaped test specimens Single tear method	0.1 g/ (0~ 6 400) g	ISO 13937-2:2000 BS EN ISO 13937-2:2000

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26.	<b>Textiles</b>	Determination of Bursting Strength Hydraulic method	0.5 psi/ (0 ~ 60) psi 1 psi/ (0~ 200) psi	ASTM D3786/D3786M-18 (2023)
27.		Determination of Seam Slippage	0.1N/ (0 ~ 5 000) N	ASTM D1683/D1683M-22
28.		Determination of the slippage resistance of yarns at a seam in woven fabrics Fixed seam opening method	0.1N/ (0 ~ 5 000) N	ISO 13936-1:2004 BS EN ISO 13936- 1:2004
29.		Determination of slippage resistance of yarns at a seam in woven fabrics. Fixed load method	---	ISO 13936-2:2004 BS EN ISO 13936-2:2004
30.		Determination of Seam Strength	0.1N/ (0 ~ 5 000) N	ASTM D1683/D1683M-22
31.		Determination of maximum force to seam rupture. Strip method	0.1N/ (0 ~ 5 000) N	ISO 13935-1:2014 BS EN ISO 13935- 1:2014
32.		Determination of maximum force to seam rupture. Grab method	0.1N/ (0 ~ 5 000) N	ISO 13935-2:2014 BS EN ISO 13935- 2:2014
33.		Determination of stretch and recovery properties of Fabrics Woven from Stretch Yarns	0.1 %	ASTM D3107-07(2019)
34.		Determination of Stretch Properties of Knitted Fabrics Having Low Power	0.1 %	ASTM D2594/2594M-21
35.		Determination of Abrasion Resistance of Textile Fabrics Martindale Abrasion Method	1 mg / 1cycle 0.5 grade/ Grade (1 ~ 5)	ASTM D4966:22
36.		Determination of abrasion resistance of fabrics. Determination of Specimen breakdown. Martindale method	---	ISO 12947-2:2016 BS EN ISO 12947-2:1998
37.		Determination of abrasion resistance of fabrics. Determination of Mass loss. Martindale method	1 mg/1cycle	ISO 12947-3:1998/Cor 1:2002 BS EN ISO 12947-3:1998

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38.	<b>Textiles</b>	Determination of abrasion resistance of fabrics. Assessment of appearance change. Martindale method.	0.5 grade/ Grade (1 ~ 5)	ISO 12947-4:1998 BS EN ISO 12947-4:1998
39.		Determination of Abrasion Resistance of Textile Fabrics. Rotary Platform, Double-Head Method	1 mg / 1cycle	ASTM D3884:09(2017)
40.		Determination of fabric propensity to surface fuzzing and to pilling. Pilling box method	0.5 grade/ Grade (1 ~ 5)	ISO 12945-1:2020 BS EN ISO 12945-1:2001
41.		Determination of Pilling Resistance and Other Related Surface Changes of Textile Fabrics. Random Tumble Pilling Method	0.5 grade/ Grade (1 ~ 5)	ASTM D3512/D3512M-10 (2016)
42.		Determination of Pilling Resistance and Other Related Surface Changes of Textile Fabrics. Martindale method	0.5 grade/ Grade (1 ~ 5)	ASTM D4970D4970M-22 ISO 12945-2:2020 BS EN ISO 12945-2:2020
43.		Determination of Bow and Skew in Woven and Knitted Fabrics	---	ASTM D3882-08 (2020)
44.		<b>Zippers</b>	Determination of Strength	0.1N/(0 ~ 5 000) N 0.25 kgf/(0 ~ 30) kgf
45.	Determination of Operability		0.1N/(0 ~ 5 000) N 0.25 kgf/(0 ~ 30) kgf	ASTM D2062-03 (2021) <sup>(1)</sup>
46.	<b>Children toys</b>	Checking of small part on products	---	16 CFR 1501:2020 ASTM F963-23 Section 4.6
47.		Checking of Sharp points on products	---	16 CFR 1500.48:2023 ASTM F963-23 Section 4.9
48.		Checking of Sharp Edges on products	---	16 CFR 1500.49 :2023 ASTM F963-23 Section 4.7
49.	<b>Textile fabrics</b>	Determination of Flammability	Class (1 ~ 3)	16 CFR 1610:2023 ASTM D1230-22a

<sup>(1)</sup> *Excluding of reciprocating tests*

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50.	<b>Children's sleepwear</b>	Determination of Flammability	(0 ~ 10) inches	16 CFR 1615:2023 16 CFR 1616:2023
51.	<b>Toys and other articles intended for use by children over 18 months but not over 36 months of age</b>	Test for simulating use and abuse of articles intended for use by children: Torque test	3.2 in.lbf (0.36 N.m)	16 CFR 1500.52:2023 (e) ASTM F963-23 Section 8.8
52.		Test for simulating use and abuse of articles intended for use by children: Tension test	15.5 lbf (69.0 N)	16 CFR 1500.52:2023 (f) ASTM F963-23 Section 8.9
53.	<b>Toys and other articles intended for for use by children over 36 months but not over 96 months of age</b>	Test for simulating use and abuse of articles intended for use by children: Torque test	4.2 in.lbf (0.47 N.m)	16 CFR 1500.53:2023 (e) ASTM F963-23 Section 8.8
54.		Test for simulating use and abuse of articles intended for use by children: Tension test	15.5 lbf (69.0 N)	16 CFR 1500.53:2023 (f) ASTM F963-23 Section 8.9
55.	<b>Textiles</b>	Determination of pH of aqueous extract	(0.01 ~ 14.00)	ISO 3071:2020

**Note:**

- BS: *British Standard;*
- EN: *European Standard;*
- CFR: *The Code of Federal Regulations;*
- ASTM: *American Society for Testing and Materials;*
- ISO: *International Organization for Standardization;*
- DIN: *Deutsches Institut für Normung e.V. (DIN; in English, the German Institute for Standardization);*
- AATCC: *American Association of Textile Chemists./.*

- *It is mandatory for the Eurofins MTS Consumer Product Testing (Cambodia) Co., Ltd that provides product quality testing services must register their activities and be granted a certificate of registration according to the law before providing the service.*

