

Name: Ningbo Hexiang Testing Services Co., Ltd.

Address: No. 281, Qiyun Road, Duantang, Ningbo, Zhejiang, China

Registration No. CNAS L4454

Accreditation Criteria: ISO/IEC 17025:2017 and relevant requirements of CNAS

Effective Date: 2019-02-27 Expiry Date: 2025-03-07

SCHEDULE 3 ACCREDITED TESTING SCOPE

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
Textile						
1	Textile	1	Dimensional change in washing	Textiles -- Preparation, marking and measuring of fabric specimens and garments in tests for determination of dimensional change GB/T 8628-2013		2019-02-27
				Textiles -- Domestic washing and drying procedures for textile testing GB/T 8629-2017	Except for reference washing machine Type C, drying procedure E	2019-02-27
				Textiles -- Determination of dimensional change in washing and drying, GB/T 8630-2013		2019-02-27
				Textiles - domestic washing and drying procedures for textile testing ISO 6330:2012	Except for reference washing	2019-02-27

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					machine Type C, drying procedrure E	
				Textiles -- Preparation, marking and measuring of fabric specimens and garments in tests for determination of dimensional change ISO 3759:2011		2019-02-27
				Textiles -- Determination of dimensional change in washing and drying ISO 5077: 2007		2019-02-27
				Dimensional changes of fabrics after home laundering AATCC 135:2018		2019-02-27
				Dimensional changes of garments after home laundering AATCC 150:2018		2019-02-27
		2	Skewness	Textiles--Determination of spirality after laundering part 1 percentage of wale spirality change in knitted garments ISO 16322-1:2005		2019-02-27
				Textiles--Determination of spirality after laundering part 2 woven and knitted fabrics ISO 16322-2:2005		2019-02-27
				Textiles--Determination of spirality after laundering part 3 woven and knitted garments ISO 16322-3:2005		2019-02-27
				Skewness change in fabric and garment twist resulting from automatic home laundering AATCC 179:2017		2019-02-27
		3	Mass per mass per unit area	Textiles -- Woven fabrics -- Determination of mass per unit length and mass per unit area GB/T 4669-2008		2019-02-27
				Textiles - woven fabrics - determination of mass per unit length and per unit area ISO 3801:1977		2019-02-27
				Test Method for Mass Per Unit Area (Weight) of Fabric ASTM D 3776/D3776M-09a(2017)		2019-02-27



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		4	Construction	Textile-Woven fabric-Determination of number of threads per unit length GB/T 4668-1995		2019-02-27		
				Textiles - woven fabrics - construction - methods of analysis - determination of number of threads per unit length ISO 7211/2:1984		2019-02-27		
				Textile Warp (end) and filling (pick) count of woven fabric ASTM D 3775:2017		2019-02-27		
		5	Tensile Strength			Textiles - Tensile properties of fabrics - Part 1: Determination of maximum force and elongation at maximum force using the strip method GB/T 3923.1-2013		2019-02-27
						Textiles-Tensile properties of fabrics-Part 2:Determination of maximum force using the grab method GB/T 3923.2-2013		2019-02-27
						Textiles - Tensile properties of fabrics - Part 1: Determination of maximum force and elongation at maximum force using the strip method ISO 13934-1:2013		2019-02-27
						Textiles—Tensile properties of fabrics—Part 2:Determination of maximum force using the grab metho ISO 13934-2:2014		2019-02-27
						Standard Test method for breaking strength and elongation of textile fabrics(grab test) ASTM D 5034:2009(2017)		2019-02-27
						Standard Test method for breaking force and elongation of textile fabrics(strip test) ASTM D 5035:2011(2015)		2019-02-27
		6	Bursting Strength			Textile determination of bursting strength--steel ball method GB/T 19976-2005		2019-02-27
		7	Bond Strength			The method of peeled off strength value for gaement used adhesive interlining FZ/T 80007.1-2006		2019-02-27
						Standard test method for bonded,fused,and laminated apparel fabrics ASTM D 2724:2007(2015)		2019-02-27
		8	Bursting Strength			Textiles-Bursting properties of fabrics-part1 Hydrualic method for determination of bursting strength and bursting distension GB/T 7742.1-2005	Accredited only for test area	2019-02-27



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					7.3cm ²	
				Textiles-Bursting properties of fabrics-part1 Hydraulic method for determination of bursting strength and bursting distension ISO 13938-1:1999	Accredited only for test area 7.3cm ²	2019-02-27
				Standard test method for bursting strength of textile fabrics-Diaphragm bursting strength tesor method ASTM D 3786/D3786M-2018	Except for pneumatic instruments	2019-02-27
		9	Attachment strength	Safety of toys-part 1 :mechanical and physical properties BS EN 71-1:2014+A1:2018 8.4		2019-02-27
		10	Zipper strength	Standard test methods for strength tests for zippers ASTM D 2061:2007(2013)	Except for resistance to twist of pull and slider, compression of slider, slider deflection and recovery	2019-02-27
		11	Stretch and Recovery	stretch and recovery testing method for knits FZ/T 70006-2004		2019-02-27
				Determination of the elasticity of fabrics--part 1 stripe tests BS EN 14704-1:2005		2019-02-27
				stretch and recovery testing method for low elastic fabrics ASTM D 2594-2004(2016)		2019-02-27
		12	Pilling	Textiles-Determination of fabric propensity to surface fuzzing and to pilling Part 1: Circular locus methodd GB/T 4802.1-2008		2019-02-27



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				Textiles-Determination of fabric propensity to surface fuzzing and to pilling Part 2: Modified Martindale method GB/T 4802.2-2008		2019-02-27
				Textiles-Determination of fabric propensity to surface fuzzing and to pilling Part 3: Pilling box method GB/T 4802.3-2008		2019-02-27
				Textile fabrics -- Assessing the rate of pilling of fabrics -- random rolling method GB/T 4802.4-2009		2019-02-27
				Textiles—determination of fabric propensity to surface fuzzing and to pilling—Part 1: pilling box method ISO 12945-1:2000		2019-02-27
				Textiles—determination of fabric propensity to surface fuzzing and to pilling—Part 2: modified martindale method ISO 12945-2:2000		2019-02-27
				test method for pilling resistance and other related surface changes of textile fabrics:random tumble pilling tester ASTM D3512/D3512M-2016		2019-02-27
		13	Abrasion	Textile-determination of the abrasion resistance of fabrics by the martindale method ISO 12947-2: 2016		2019-02-27
				Abrasion resistance of textile fabrics(Martindale abrasion tester method) ASTM D 4966-2012(2016)		2019-02-27
		14	Spray test	Textiles fabrics--Determination of resistance to surface wetting--spray test GB/T 4745-2012		2019-02-27
				Textiles fabrics--Determination of resistance to surface wetting (spray test) ISO 4920:2012		2019-02-27
				Water Repellency:Spray test AATCC 22:2017		2019-02-27
		15	Flammability	Textile Fabric -Burning behaviour-The 45°test determination of flame spread rate GB/T 14644-2014		2019-02-27
				Standard for the Flammability of clothing textiles US 16CFR PART 1610	Except for refurbishment to dry	2019-02-27



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					cleaning	
		16	Colour fastness to rubbing	Textiles-Tests for colour fastness-Colour fastness to rubbing GB/T 3920-2008		2019-02-27
				Textiles-Tests for colour fastness Colour fastness to rubbing ISO 105 X12:2016		2019-02-27
				Textiles-Tests for colour fastness-Colour fastness to crocking AATCC 8:2016		2019-02-27
		17	Colour fastness to perspiration	Textiles-Testing method for colour fastness to perspiration GB/T 3922-2013		2019-02-27
				Textiles - test for colour fastness - colour fastness to perspiration ISO 105 E04:2013		2019-02-27
				Textiles - test for colour fastness - colour fastness to perspiration AATCC 15:2013(E2014)		2019-02-27
		18	Colour fastness to water	Textiles-Tests for colour fastness-Colour fastness to water GB/T 5713-2013		2019-02-27
				Textiles - Tests for Colour Fastness : Colour Fastness to Water ISO 105-E01:2013		2019-02-27
				Textiles - Tests for Colour Fastness : Colour Fastness to Water AATCC 107:2013(E2016)		2019-02-27
		19	Colour fastness to saliva	Textiles -- Tests for colour fastness -- Colour fastness to saliva GB/T 18886:2002		2019-02-27
		20	Colorfastness to washing	Textiles -- Tests for colour fastness -- Colour fastness to washing GB/T 3921-2008		2019-02-27
				Textiles -- Tests for colour fastness -- Colour fastness to washing ISO 105 C06:2010		2019-02-27
				Textiles -- Tests for colour fastness -- Colour fastness to washing ISO105 C10:2006		2019-02-27
				Colour fastness to laundering :Accelerated AATCC 61:2013(E2016)		2019-02-27



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		21	Colour fastness to hot press	Textiles – Test for colour fastness Colour fastness to hot press GB/T 6152-1997		2019-02-27
				Textiles – Test for colour fastness Colour fastness to hot press ISO 105 X11:1994		2019-02-27
				Color fastness to heat hot press AATCC 133:2013(E2016)		2019-02-27
		22	Colour fastness to sea water	Textiles – Test for colour fastness Colour fastness to sea water GB/T 5714-1997		2019-02-27
				Textiles – Test for colour fastness Colour fastness to sea water ISO 105 E02:2013		2019-02-27
		23	Colour fastness to chlorinated water	Textiles – Test for colour fastness Colour fastness to chlorinated water GB/T 8433-2013		2019-02-27
				Textiles – Test for colour fastness Colour fastness to chlorinated water ISO 105 E03:2010		2019-02-27
		24	Colour fastness to Artificial light	Textiles-Test for colour fastness-Colour fastness to artificial light:Xeon arc fading lamp test GB/T 8427-2008		2019-02-27
				Textiles-Test for colour fastness-Colour fastness to artificial light:Xeon arc fading lamp test ISO 105 B02:2014		2019-02-27
		25	Phenolic yellow	phenolic yellowing test method for import and export textile SN/T 2468-2010		2019-02-27
				Textiles-Test for colour fastness-Assessment of the potential to phenolic yellowing of materials ISO 105 X18:2007		2019-02-27
		26	Complex colour fastness to light-perspiration	Textiles-Testing method for complex colour fastness to light-perspiration GB/T 14576-2009		2019-02-27
		27	Fiber Qualitative	Test method for identification of textile fibers-Part 1:General introduction FZ/T 01057.1-2007		2019-02-27
				Test method for identification of textile fibers-Part 2:Burning behavior FZ/T 01057.2-2007		2019-02-27



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				Test method for identification of textile fibers-Part 3:Microscopy FZ/T 01057.3-2007		2019-02-27
				Test method for identification of textile fibers- Part 4:Solubility FZ/T 01057.4-2007		2019-02-27
				Fiber Analysis: Qualitative AATCC 20-2013	Except for Refractive Index,Density,Stain Tests,Melting Point,Micro-FTIR	2019-02-27
		28	Fiber analysis	Textile-Quantitative chemical analysis-Part 1 General principles of testing GB/T 2910.1-2009		2019-02-27
				Textile-Quantitative chemical analysis-Part 2 Ternary fibre mixtures GB/T 2910.2-2009		2019-02-27
				Textile-Quantitative chemical analysis-Part 6 Mixtures of viscose or certain types of cupro of modal of lyocell and cotton fibres(method using formic acid and zinc chloride) GB/T 2910.6-2009		2019-02-27
				Textile-Quantitative chemical analysis-Part 7 Mixtures of polyamide and certain other fibres(method using formic acid) GB/T 2910.7-2009		2019-02-27
				Textile-Quantitative chemical analysis-Part 11 Mixtures of cellulose and polyester fibres(method using sulfuric acid) GB/T 2910.11-2009		2019-02-27
				Textile-Quantitative chemical analysis-Part 12 Mixtures of acrylic,certain modacrylics,certain chlorofibres,certain elastanes and certain other fibres(method using dimethylformamide) GB/T 2910.12-2009		2019-02-27

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SCHEDULE OF ACCREDITATION CERTIFICATE



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				Textile-Quantitative chemical analysis-Part 1 General principles of testing ISO 1833-1:2006		2019-02-27
				Textile-Quantitative chemical analysis-Part 2 Ternary fibre mixtures ISO 1833-2:2006		2019-02-27
				Textile-Quantitative chemical analysis-Part 6 Mixtures of viscose or certain types of cupro or modal of lyocell and cotton fibres(method using formic acid and zinc chloride) ISO 1833-6:2007		2019-02-27
				Textile-Quantitative chemical analysis-Part 7 Mixtures of polyamide and certain other fibres(method using formic acid) ISO 1833-7:2006		2019-02-27
				Textile-Quantitative chemical analysis-Part 11 Mixtures of cellulose and polyester fibres(method using sulfuric acid) ISO 1833-11:2017		2019-02-27
				Textile-Quantitative chemical analysis-Part 12 Mixtures of acrylic,certain modacrylics,certain chlorofibres,certain elastanes and certain other fibres(method using dimethylformamide) ISO 1833-12:2006		2019-02-27
				Fiber analysis:Quantitative AATCC 20A:2014	Accredited only for mechanical Separation and Hydrochloric acid,Sulfuric acid,Sodium hypochlorit	2019-02-27



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					e,Formic acid,Dimethylformamide,Alkaline in Chemical method	
29	Formaldehyde			Textile Determination of formaldehyde-water extraction method GB/T 2912.1-2009 GB/T 2912.1-2009		2019-02-27
				Textile Determination of formaldehyde-vapour absorption method GB/T 2912.2-2009		2019-02-27
				Textile Determination of formaldehyde-water extraction method ISO 14184-1:2011		2019-02-27
				Textile Determination of formaldehyde-vapour absorption method ISO 14184-2:2011		2019-02-27
				Textile Determination of formaldehyde-water extraction method JIS L 1041:2011 Annex B		2019-02-27
				Textile Determination of formaldehyde-vapour absorption method AATCC 112:2014		2019-02-27
30	PH of the aqueous extract			Textiles-Determination of pH of the aqueous extract GB/T 7573-2009		2019-02-27
				Textiles - determination of pH of the aqueous extract ISO 3071-2005		2019-02-27
				pH of the water--Extract from wet processed textiles AATCC 81:2016		2019-02-27
31	AZO			Textile-Determination of the banned azo colourants GB/T 17592-2011		2019-02-27
32	Phthalates			Textile-Determination of the content of phthalates GB/T 20388-2016		2019-02-27



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		33	Heavy Metal	Textile-Determination of heavy metals-Part 1 Atomic absorption spectrophotometry GB/T 17593.1-2006		2019-02-27
		34	APEO	Textiles-Determination of surfactant-Alkylphenol ethoxylates GB/T 23322-2009	Accredited only for Liquid phase mass spectrometry test method	2019-02-27
		35	Drawstrings safety size	Standard safety size fro drawstrings on children's upper wear GB/T 22702-2008		2019-02-27
Safety specifications for cords and drawstrings on children's clothing GB/T 22705-2008				2019-02-27		
2	Textile safety	All items	National general safety technical code for textile products GB 18401-2010		2019-02-27	
3	Knitted Sportwear	Part of Parameters	Knitted Sportwear GB/T 22853-2009	Except for appearance, seam strength	2019-02-27	
4	Casual Wear	Part of Parameters	Casual Wear FZ/T 81007-2012	Except for appearance, appearance after washing, dimensional stability after dry cheaning、special animal-hair	2019-02-27	



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					and cotton linen	
5	Knitted Casual Wear		Part of Parameters	Knitted Casual Wear FZ/T 73020-2012	Except for appearance, appearance after wash, dimensional stability after dry cleaning	2019-02-27
6	Knitted T-shirt		Part of Parameters	Knitted T-shirt GB/T 22849-2014	Except for appearance	2019-02-27
7	Jackets		Part of Parameters	Jackets FZ/T 81008-2011	Except for appearance, colour fastness to washing, appearance after washing, dimensional stability after dry cleaning, special animal-hair and cotton linen	2019-02-27
8	Dress and lady suit		Part of Parameters	Dress and lady suit FZ/T 81004-2012	Except for appearance	2019-02-27

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					colour fastness to dryclean、 appearance after washing, dimensiona l stability after drying、 special animal-hair and cotton linen	
9	Cotton knitted underwear		Part of Parameters	Cotton knitted underwear GB/T 8878-2014	Except for appearance	2019-02-27



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