

# FEDERATION FOR DEVELOPMENT OF ACCREDITATION SERVICES

118-119, First Floor, Sushant Tower, Sector – 56, Gurugram – 122011, Haryana, India.



## CERTIFICATE OF ACCREDITATION (AS PER ISO/IEC 17025:2017)

This is to attest that

### **ANNRAY TESTING AND CERTIFICATION INDIA PVT LTD.**

4/44, T.S.R. Layout, 4<sup>th</sup> Street, Om Sakthi Kovil Main Road,  
Tirupur (Tamil Nadu) -641607

### **Testing Laboratory**

has demonstrated compliance with ISO/IEC Standard 17025:2017, General requirements for the competence of testing and calibration laboratories and supplementary criteria for testing laboratories.

**Certificate Number:** TL-120

**Issue Date:** 08.03.2024

**Valid Until:** 07.03.2026

**\*Amended On:** 07.08.2024

The certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard and the relevant requirements of FDAS. (for scope of accreditation visit website [www.fdasindia.org](http://www.fdasindia.org)).

**\*This amended certificate is due to a change in the location of the Lab.**

  
DEVI SARAN TEWARI  
Director

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## SCOPE OF ACCREDITATION

(Annexure to Certificate of TL - 120)

**Laboratory Name:** M/s Annray Testing and Certification India Pvt Ltd.  
4/44, T.S.R. Layout, 4<sup>th</sup> Street, Om Sakthi Kovil Main Road,  
Tirupur (Tamil Nadu) -641607

**Validity:** 08.03.2024 to 07.03.2026

**\*Amended on** 28.09.2024

S.No.	Material/Products	Component /Parameter/ Characteristic Tested	Test Method	Equipment Used
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### Chemical Testing (Laboratory Based)

<b>Group : Textile &amp; Wool</b>				
1.	Textiles (Fibre, Yarn, Fabric, Made-ups, garments)	Absorbency of Textiles	AATCC TM 79-2018	-----
		Colorfastness to Domestic and Commercial Laundering	ISO 105- C06:2010 AATCC TM 61-2020	
		Colorfastness to Drycleaning Using Perchloroethylene Solvent	ISO 105-D01: 2010	
		Colorfastness to Perspiration	GB/T 3922- 2013 ISO 105- E04:2013 AATCC TM 15-2021	
		Colorfastness to Phenolic Yellowing	ISO 105-X18: 2007	
		Colorfastness to Rubbing	GB/T 3920- 2008 ISO 105- X12:2016 AATCC TM 8-2016	
		Colorfastness to Saliva	GB/T 18886-2019 DIN V 53160-1 & 2- 2010	
		Colorfastness to Sea Water	ISO 105- E02: 2013	
		Colorfastness to Water	ISO 105- E01:2013 GB/T 5713-2013 AATCC TM 107-2022	
		Dimensional Stability to Washing	ISO 3759: 2011 ISO 5077: 2008 ISO 6330: 2021	

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### Chemical Testing (Laboratory Based)

		Dimensional Changes after Home Laundering	AATCC TM 135-2018 AATCC TM 150-2018	----
		Fiber Content Analysis	AATCC 20-2021 AATCC 20A-2021	
		pH in Textile	BS EN ISO 3071: 2020 AATCC TM 81-2022	
		Spirality After Laundering - Woven and Knitted Fabrics	ISO 16322- 2:2021 AATCC TM 179-2023	
		Spirality After Laundering - Woven and Knitted Garments	ISO 16322- 3:2021 AATCC TM 179-2023	
		Determination of Free and Hydrolyzed Formaldehyde	ISO 14184-Part 1: 2011	
2.	Apparel and Textiles	Colorfastness to Light Xenon-Arc	AATCC TM 16.3 (OPTION 3):2020	.....
		Colorfastness to bleaching: Hypochlorite	ISO 105 N01: 1993 AATCC/ASTM TS -001	
		Colorfastness to Non - Chlorine bleach (Spot)	ISO 105 C09: 1993 AATCC/ASTM TM -001	
		Colorfastness to Non - Chlorine bleach (Soaking)	AATCC/ASTM TM -001	
		Total Lead Content in Paint and other similar Surface Coating	CPSC 16 CFR 1303 CPSC-CH-E1003-09.1: 2011	
		Total Lead in Children's Metal Products	CPSIA CPSC-CH-E1001-08.3:2012	

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### Chemical Testing (Laboratory Based)

		Total Lead in Non-Metal	CPSIA - CPSC-CH-E1002-08.3	----
		Total Cadmium in metal	EPA 3050B ASTM F963-23	
		Total Cadmium in plastic	EN 1122:2001	
		Formaldehyde spot test (Qualitative)	AATCC-94:2020	
		Formaldehyde Content	JIS L1041:2011	
		Phthalates		
		1. Dibutyl Phthalate-DBP		
		2. Di isobutyl phthalate- DIBP		
		3. Di-n-pentyl phthalate- DPENP		
		4. Di-n-hexyl phthalate - DNHP		
		5. Di cyclohexyl phthalate-DCHP		
		6. Di(2-ethylhexyl) phthalate-DEHP		
		7. Benzyl Butyl Phthalate- BBP		
		8. Diisononyl Phthalate- DINP		
		Nickel spot test (Miscellaneous Products /Metal Accessories)	PD CR 12471:2022	
		PVC(Qualitative)	Beilstein method	

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### Mechanical Testing (Laboratory Based)

<b>Group : Textiles/Fabric/Wool /Yarn</b>				
1	Textiles (Fibre, Yarn, Fabric, Made-ups, garments)	Weight of Fabric	ASTM D3776/D3776M-202 ISO 3801: 1997 BS EN 12127: 1997	-----
		Yarn Size	ASTM D1059-2017	
		Wale and Course Count of Weft Knitted Fabrics	ASTM D8007-2019	
		End (Warp) and Pick(Filling) Count of Woven Fabrics	ASTM D3775-2017	
		Propensity to Surface Pilling, Fuzzing or Matting – Piling Box Method	ISO 12945-1: 2020	
		Fabric Propensity to Surface Pilling, Fuzzing or Matting – Modified Martindale Method	ISO 12945-2: 2020	
		Abrasion Resistance of Fabrics by the Martindale Method – Determination of Specimen Breakdown	ISO 12947-2: 2016	
		Abrasion Resistance of Fabrics by the Martindale Method – Determination of Specimen Mass Loss	ISO 12947-3: 1998	
		Abrasion Resistance of Fabrics by the Martindale Method Appearance Change	ISO 12947-4: 1998	

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### Mechanical Testing (Laboratory Based)

2.	Apparel and Textiles	Bursting Strength	ISO 13938-1:2019 ASTM D3786/D3786M:2023	----
		Tearing Strength-Elmendorf	ISO 13937-1:2000 ASTM D 1424:2021	
		Tearing Strength-Single Tear-Trouser Shape	ISO 13937-2:2000 BS EN ISO 13937-2:2000	
		Tearing Strength-Single Tear-Wing Shaped	ISO 13937-3:2000 BS EN ISO 13937-3:2000	
		Tensile Properties of fabrics (Strip Method)	ISO 13934-1:2013 ASTM D 5035-11:2019 BS EN ISO 13934-1:2013	
		Tensile Properties of fabrics (Grab Method)	ISO 13934-2:2014 ASTM D 5034:2021 BS EN ISO 13934-2:2014	
		Stretch and Recovery	ASTM D 2594:2021	
		Seam Properties	ASTM D1683/D1683M:2022 ISO 13935-1:2014 ISO 13935-2:2014 ISO 13936-1:2004 ISO 13936-2:2004	
		Sharp Edge(Under A force of 1.35 pound)	16 CFR Part 1500.49(d) EN 71 Part 1 Cl 8.11:2014 ASTM F 963: Sec 4.7: 2023	
		Sharp Point(Under A force of 1 pound)	16 CFR Part 1500.48(d) EN 71 Part 1 Cl 8.12:2014	

  
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### Mechanical Testing (Laboratory Based)

			ASTM F 963: Sec 4.9: 2023	----
		Standard for small parts Regulations	16 CFR 1501.4 EN 71 Part 1 Cl 8.2:2014 ASTM F 963: Sec 4.6: 2023	
		Tension Test	16 CFR 1500.51-53:2024 EN 71 Part 1 Cl 8.4:2014 ASTM F 963: Sec 8.9: 2023	
		Torque Test	16 CFR 1500.51-53:2024 EN 71 Part 1 Cl 8.3:2014 ASTM F 963: Sec 8.9: 2023	
		Flammability of Clothing Textile	CGSB NO 4.2-27.5:2008 CPSC 16 CFR 1610:2024	
		Flammability of Children's Sleepwear	CPSC 16 CFR 1615/1616 :2024	

\* Scope is amended on 28.09.2024 due to extension of Scope.

  
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