

Laboratory Sambandam Spinning Mills Limited, Research and Development Foundation, Kamaraj Nagar Colony, Salem, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-8004

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Validity 10.10.2018 to 09.10.2020

Last Amended on --

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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MECHANICAL TESTING

I.	TEXTILE MATERIALS			
1.	Fibers	Neps in cotton Fibers Nep Count per gramme Seed Coat Count per gramme	ASTM D 5866 –	1 to 1500 Nos.
2.	Sliver, Roving, Yarn	Evenness Textile strands Using capacitance testing Equipment Imperfection Thin (-50%) / km Thick (+50%) / km Neps (+200%) / km	ASTM D 1425 / D 1425 M	1 to 20% Up to 9999 Nos.
3.	Yarn	Single Yarn Strength and Elongation %	IHTM / SSML-RDF / 01 Issue No : 4	Strength : 7 N to 50 N (4.83 to 345.4 rkm) Elongation : 3% to 70%
		Classifying and Counting faults in spun yarn in Electronics Tests Major Yarn Faults/100 km Minor Yarn Faults/100 km Total Yarn Faults/100 km	ASTM D 6197-1999 (Re-Approved 2017)	0 to 99999 nos. 1 to 99999 nos. 1 to 99999 nos.
		Linear density of yarn (yarn number) by the skein method	ASTM D 1907 / D1907 M-2012	5 tex to 120 tex (5 Ne to 120 Ne)
		Breaking strength of yarn in Skein form	ASTM D 1578	10 kg to 250 kg (22 lb to 550 lb)
		Twist in Single Spun Yarns by the Untwist – Retwist Method	ASTM D 1422 / D1422 M-2013	394 to 2559 turns per meter (10 to 65 tpi)

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