

Laboratory Reliance Testing Centre, Reliance Industries Limited, 3rd Floor,
Dorairaj Towers, No.1, Race Course Road, Coimbatore, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-7153

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Validity 13.04.2018 to 12.04.2020

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 |
|-----|----------------------------|-------------------------|---|--|
|-----|----------------------------|-------------------------|---|--|

CHEMICAL TESTING

| I. | TEXTILE (WOVEN & NON WOVEN) | | | |
|----|-----------------------------|--|------------------|--------------|
| 1. | Sliver/yarn | Quantitative Analysis of Polyester with Cotton or Regenerated Viscose (Blend Analysis) | IS 3416 (Part 1) | 1 % to 100 % |

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MECHANICAL TESTING

| I. | TEXTILE MATERIALS | | | |
|----|--------------------------|--|---|--------------------------------------|
| 1. | Sliver | Evenness of Textile Strands (U %) | ASTM D 1425 | 1 % to 6 % |
| 2. | Roving | Evenness of Textile Strands (U %) | ASTM D 1425 | 2 % to 8 % |
| 3. | Yarn | Evenness Of Textile Strands (U %) | ASTM D 1425 | 5 % to 30 % |
| | | Imperfections/km Thin (-50%) Thick (+50%) Nep (+200%) | ASTM D 1425 | 1 /km to 10000 /km |
| | | Hairiness | In-house Test procedure manual RTC/002 - page 7 Issue date: 01.05.2001 Revision 06 : 15.10.2015 | 1 to 15 |
| | | Tensile Properties Of Single Strands (Single Yarn Strength) | ASTM D 2256 | 1 N to 100 N (100 gf to 10000 gf) |
| | | Tensile Properties Of Single Strands (Elongation %) | ASTM D 2256 | 1 % to 50 % |
| | | Classifying And Counting Faults In Spun Yarns (Faults/100 Km) | ASTM D6197 | 10 to 99999 Faults/100 km |
| | | Linear Density Of Yarn (Yarn Number) By The Skein Method (Lea Count) | ASTM D1907 | 6 NeC to 140 NeC (4 to 100 Tex) |
| | | Breaking Strength Of The Yarn In Skein Form (Lea Strength) | ASTM D1578 | 20 lbf to 450 lbf 100 N to 2000 N |

Malancha Das
Convenor

N. Venkateswaran
Program Director

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| | | Twist In Single Spun Yarns By The Untwist-Retwist Method | ASTM D1422 | 70 TPM to 2000 TPM |
| | | Twist In Yarns By Direct-Counting (Double/ Cable Yarn Twist) | ASTM D1423 | 70 TPM to 2000 TPM |
| | | Measuring Hairiness Of The Yarn Photoelectric Method | ASTM D5647 | 10 /100M to 99999/ 100M |
| | | Tensile Properties of Single Strands (Single Yarn Strength) | In House/RTC/03 | 1 N to 100 N (100 gf to 10000 gf) |
| | | Tensile Properties of Single Strands (Elongation %) | In House/RTC/03 | 1 % to 50 % |

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