

Laboratory	Controllerate of Quality Assurance (Textile & Clothing), Govt. of India, Ministry of Defence, Kanpur, Uttar Pradesh		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	07.06.2014
Certificate Number	T-2247	Valid Until	06.06.2016
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S.No.	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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I. TEXTILE & TEXTILE AUXILIARIES

1.	Fibre/ Yarn/ Fabric	% composition of Polyester Fibre and Cotton or Regenerated cellulose fibre.	IS 3416-1988, (RA 2008)	2% to 100 %
		Quantitative chemical analysis of binary mixtures of protein fibre with certain other non-protein fibres	IS 2006-1988, (RA 2004), Edition 3.2 (2002 -11)	1% to 100%
		Identification of Textile Fibres	IS 667-1981, (RA 2008)	Qualitative
		Scouring Loss of Textile Material	IS 1383-1977, (RA 2009)	0.2% to 10%
		pH value of aqueous extract of textile materials	IS 1390-1983, (RA 2009)	1 to 14 L.C.: 0.01
		Ash Contents of Textile Material	IS 199-89, (RA 2010)	0.1% to 10%
		Water Soluble of Textile Material	IS 3456-1966, (RA 2010)	0.1% to 10%
		Colourfastness of textile materials to washing at 40°C	IS/ ISO 105-C10-2006 A (1)	Grade 1 to 5
		Colourfastness of textile materials to washing at 50°C	IS: 3361-1979& IS/ ISO-105-C10-2006 B (2)	Grade 1 to 5

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	Fibre/ Yarn/ Fabric	Colourfastness of textile materials to washing at 60°C	IS/ ISO-105-C10-2006 C (3)	Grade 1 to 5
		Colour fastness of textile materials to washing at 95°C for 30 minutes	IS/ISO-105C10-2006 D (4)	Grade 1 to 5
		Colour fastness of textile materials to washing at 95°C for 4 hours	IS/ ISO-105C10-2006 E (5)	Grade 1 to 5
		Colour fastness of textile materials to perspiration (Acidic & Alkaline)	IS 971-1983, (RA 2004), Amd. 1	Grade 1 to 5
		Colour fastness of textile materials to Light	IS 2454-1985 & ISO 105-B02-2013	Rating 1 to 6
		Colour fastness of textile material to Rubbing	IS 766-1988, (RA 2009)	Grade 1 to 5
		Colour fastness of textile material to sea water	IS 690-1988, (RA 2004)	Grade 1 to 5
		Colour fastness of textile material to water	IS 767-1988, (RA 2004)	Grade 1 to 5

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II. RUBBER & SYNTHETIC RUBBER

1.	Rubber & Rubber Related Product	(%) Ash Content (Rubber Sole/ Heel)	IS 3400 (Part 22)-1984, A8, (RA 2008)	0.5 to 50 %
		(%) Carbon Black (Rubber Sole/ Heel)	IS 3400 (Part 22)-1984, A9, (RA 2008)	10% to 50%
		(%) Rubber Hydrocarbon (Rubber Sole/ Heel)	IS 6110-1983, (RA 2012)	20% to 98%

III. LEATHER

1.	Upper Chrome Tanned Leather extracted from boot high ankle DVS (IV)	Chromium Content as Cr ₂ O ₃	LC 10 of IS 582-1970, (RA 2003)	0.2%to 10%
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