

RECOMMENDED SCOPE OF ACCREDITATION

(For Testing Laboratories)

Laboratory: Man Made Textile Research Association (MANTRA), Surat				Date(s) of Visit: 24 th & 25 th July 2014	
Discipline: CHEMICAL					
Sl	Product(s) / Material of test	Specific tests performed	* Test Method / Standard against which tests are performed	Range of Testing/ Limits of detection	Uncertainty of Measurement [†] (±)
1	Fibre and Yarns	Identification of Textile Fibre	IS 667:1981 (2003)	Qualitative	N/A
2	Fabric	Percent composition of Binary Mixture of Polyester Fibre with Cotton or Regenerated Cellulose (P+C and P+V)	IS 3416-1: 1998 (2003)	2% to 100%	0.32% at 70% polyester 0.25% at 30% cotton
3	Fabric	pH value of Aqueous Extracts of textile material (Hot and Cold method)	IS 1390 :2004	1 to 14 pH	0.02 pH at 8.29 pH 0.02 pH at 7.64 pH
4	Fabric and Yarn	Quantitative Analysis of fibre mixture by physical separation	AATCC 20A :2013	2% to 100%	0.46% at 54% Polyester 0.4% at 46% nylon
5	Oxalic Acid	Oxalic Acid percentage by mass	IS 501 : 2005	2%-100%	0.66% at 95%
6	Water and Waste Water	pH value of Water	IS 3025 (Part-11) : 2002	1 to 14	0.03 pH at 6.84 pH
7	Water and Waste Water	Total Residue (Total Solids-Dissolved and suspended) in water	IS 3025 (Part-15) : 2003	1 mg/l to 1200 mg/l	3 mg/l at 667 mg/l
8	Water and Waste Water	Determination of Filterable Residue (Total Dissolved Solids) in water*	IS 3025 (Part-16) : 2006	1 mg/l to 12000 mg/l	8.0 mg/l at 471 mg/l
9	Water and Waste Water	Determination of Non-filterable (Total Dissolved Solids) in water*	IS 3025 (Part-17) : 1999	0.5 mg/l to 500 mg/l	12 mg/l at 493 mg/l
10	Water and Waste Water	Determination of Total Hardness in Water*	IS 3025 (Part-21) : 2009	5 mg/l to 5000 mg/l	1.39 mg/l at 123 mg/l
11	Water and Waste Water	Determination of Total Chloride in Water*	IS 3025 (Part-32) : 2003	0.5 mg/l to 7500 mg/l	1.45 mg/l at 18 mg/l
<p><i>* When referring to publications like NCCLS, IP, BP, USP, ASTM, AOAC etc. kindly mention the clause / chapter / page number, as appropriate.</i></p> <p><i>† The value at which uncertainty of measurement estimated shall also be specified. Laboratories performing site testing shall clearly identify the Specific tests on products(s) / material performed at permanent laboratory and / or at site. Refer NABL 130 for details.</i></p>					
Signature, Date & Name of Lab Representative		Signature, Date & Name of Assessor(s)		Signature, Date & Name of Lead Assessor	