



## NORTHERN INDIA TEXTILE RESEARCH ASSOCIATION (NITRA), GHAZIABAD, U.P, INDIA

NITRA is designated Centre of Excellence (COE) for Protective Textiles by Ministry of Textiles, Govt of India. Keeping in mind the present requirement of testing facility of PPE kit in the COVID-19 Pandemic, NITRA has upgraded its laboratories and started testing of various performance parameters of Medical Coverall as well as fabric used for manufacturing the same. NITRA's laboratories are accredited by **National Accreditation Board for Testing and Calibration Laboratories (NABL)** as per ISO /IEC 17025: 2017. A list of few such tests is given below along with test charges:

S.No	Test	Test standard/method	Sample size		Result reporting Time* (Working Days)	Charges/ sample (Rs) (GST @ 18% will be extra)
			Fabric	Coverall		
1	Mass	IS 1964/ ISO 3801	0.5 m <sup>2</sup>	1 Nos.	02	300/-
2	Tensile strength	IS 1969/ ISO 13934-1	0.5 m <sup>2</sup>	1 Nos.	02	800/-
3	Tear strength	IS 6489/ ISO 13937-2	0.5 m <sup>2</sup>	1 Nos.	02	800/-
4	Bursting strength	IS 1966/ ISO 9073-5	0.5 m <sup>2</sup>	1 Nos.	02	800/-
5	Seam Strength	ISO 13935-1&2	0.5 m <sup>2</sup>	1 Nos.	03	1000/-
6	Water repellency	ISO 4920/IS 390 (Spray test)	0.5 m <sup>2</sup>	1 Nos.	02	500/-
7	Oil repellency	ISO 14419/AATCC 118	0.5 m <sup>2</sup>	1 Nos.	04	2000/-
8	Impact Penetration Test	AATCC 42	0.5 m <sup>2</sup>	1 Nos.	03	1000/-

9	Water vapour transmission	ASTM E-96/E96M-16 (upright cup water method) Temp. 32±2°C, RH 50±2%, Air velocity 0.02-0.3 m/sec	0.5 m <sup>2</sup>	1 Nos.	04	2000/-
10	Moisture vapour transmission rate /Water resistance (Ret)	ISO 11092 or as per Table 1(x) of IS 17334	0.5 m <sup>2</sup>	1 Nos.	05	6000/-
11	Hydrostatic pressure head test - Fabric - Coverall	ISO 20811/ AATCC 127	1.0 m <sup>2</sup>	1 Nos.	03	2000/- 3000/-
12	Synthetic Blood Penetration - Fabric - Coverall	ISO 16603: 2004/IS 16546: 2016/ OR ASTM F 1670/F1670M-17a	1.0 m <sup>2</sup>	1 Nos.	04	3500/- 4500/-

\*Depending upon the load on instruments

**NOTE: On coverall Hydrostatic head test and synthetic blood penetration test will be performed on the front portion and two positions of randomly selected seams.**

**For more details, please contact:**

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**Website: [www.niratextile.org](http://www.niratextile.org)**

**Bank details for making payment (RTGS/NEFT)**

**Bank Name & Address : State Bank of India, 10, Navyug Market, Ghaziabad -201 002**

**Account Type : Saving Bank,**  
**Account No. : 55065458457**  
**IFS Code : SBIN0050001**  
**GST No. : 09AAATN1143K1ZL**