



**KARIGAR**  
NIRYAT PVT. LTD



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Nodia Sector-83, UP- 201305

**KARIGAR NIRYAT PVT. LTD.**

**STANDS WITH OUR COVID-19 FRONT LINE WARRIORS**

**PPE KITS**

**PERSONAL PROTECTIVE EQUIPMENT**

**DEVELOPING AND MANUFACTURING**



**KARIGAR**  
NIRYAT PVT. LTD

# COVERALLS

**Resistant to Liquid Penetration**

**Resistant to Synthetic Blood Penetration**

**Resistant to Dry Bacterial Penetration**



**SITRA**  
Service for Excellence



**BIS**  
BIOTECH TESTING SERVICES

# 1. DISPOSIBLE COVERALL

**FABIRC: NON-WOVEN  
SPUNBONDED  
POLYPROPYLENE**

Sterilized Protection Coverall  
Suit with Integrated Hood  
and Seams Sealed with Tape  
including Shoe Covers.

**GSM Available (50, 70, 80,  
90, 110)**

With tape / Without tape

Colours Available

With Lamination/ Without  
Lamination



Coverall With Tape



Coverall Without Tape

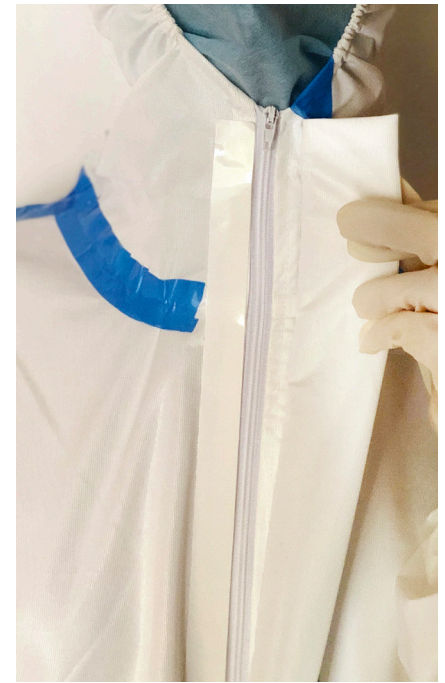
## 2. DISPOSIBLE COVERALL

**FABIRC: SSMMS NON-  
WOVEN**  
(Spunbond and Meltblown)

**GSM: 60**

5 layered

- Breathable
- Fine filtration
- Strength and elongation.
- Thin, Light and Comfortable



### 3. KNITTED COVERALL

**FABRIC: POLYESTER  
BREATHABLE FABRIC WITH  
PU FILM LAMINATION**

**GSM : 86-88**

**Thickness: 1.2MM**

- Breathable
- Fine filtration
- Strength and elongation.
- Thin, Light and Comfortable
- Allows the wear's sweat to evaporate
- Coverall is Washable and Reusable
- Minimal seams which are sealed with high adhesive transparent tape



**Seams sealed with Transparent Tape**

## 4. REUSABLE COVERALL

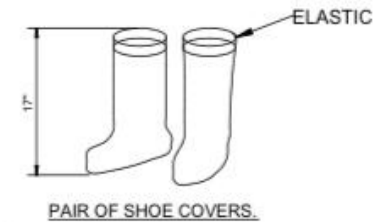
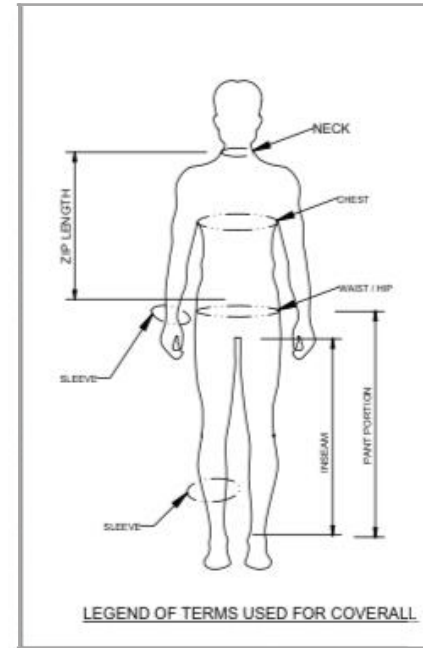
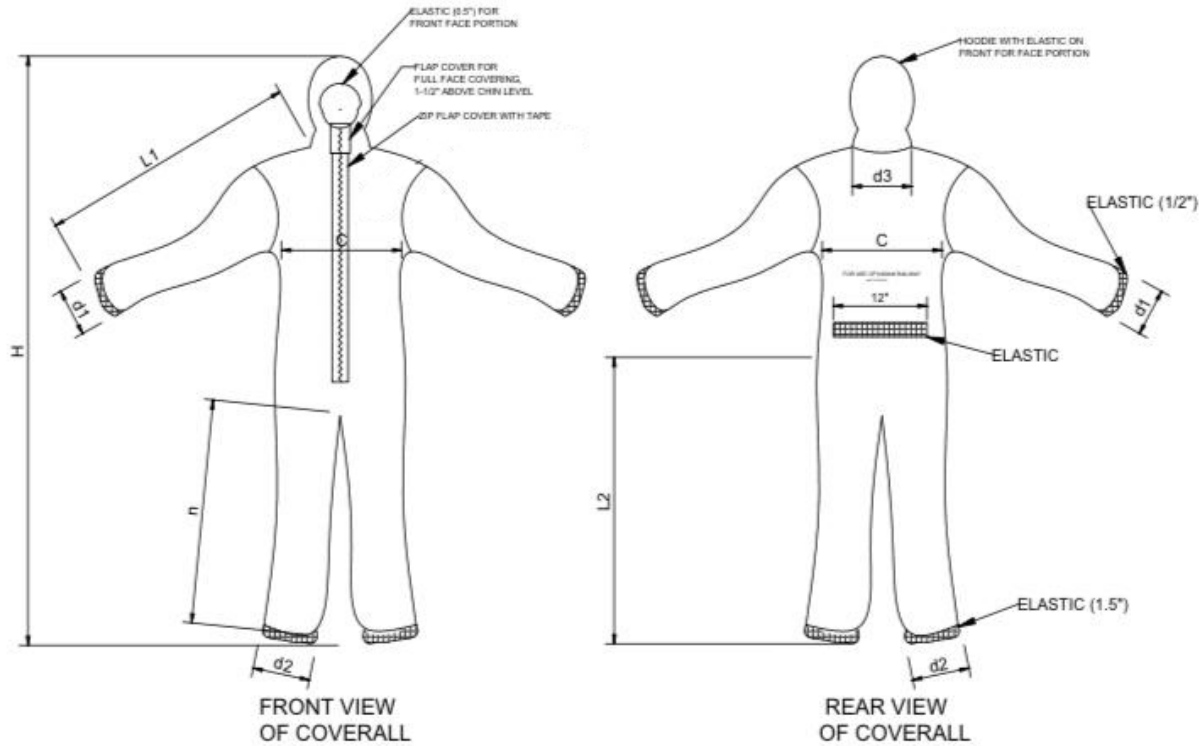
**FABRIC: PU COATED  
BREATHABLE**

**GSM: 65**

- Reusable & Washable (15 times)
- Waterproof Coating
- Anti-Microbial Coating
- Resistant to Synthetic Blood Penetration
- Resistant to Moisture Vapor Transmission (breathable)
- Thinner, Lighter and comfortable




# TECHNICAL SHEET



SIZING CHART WITH OVERALL DIMENSIONS								
SIZES	HEIGHT (H)	CHEST (C)	OTHER DIMENSIONS (IN INCHES)					
			d1	d2	d3	L1	L2	n
L	65	30	3	4.5	8.5	28.5	39	28
XL	67	32	3	4.5	8.5	31.5	40	29
XXL	69	34	3	4.5	8.5	34.5	42	30

- NOTE:
- (1) DIMENSIONS ARE SHOWN IN INCHES (") FOR MEASUREMENT OF ACTUAL SIZING OF COVERALL BODYSUIT.
  - (2) AVERAGE HEIGHT (TALLS) IN COVERALLS ARE 2" LONGER THAN THE HUMAN BODY (TORSO) AND 1" LONGER IN THE SLEEVES AND LEGS.
  - (3) FOR MANUFACTURING OF COVERALL BODYSUIT, THE CUTTING OF FABRIC IS DONE ACCORDINGLY.



**COVERALL BODYSUIT  
FOR HEALTH STAFF OF COVID-19.**



**KARIGAR**  
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# GOWNS

**Resistant to Liquid Penetration**

**Resistant to Synthetic Blood Penetration**

**Resistant to Dry Bacterial Penetration**



**SITRA**  
Service for Excellence



**BTS**  
BIOTECH TESTING SERVICES



## 5. REUSABLE GOWN / WRAP

**FABRIC: PU COATED  
BREATHABLE**

**GSM: 65 GSM**

With Separate Hood  
and Shoe Cover

- Reusable & Washable
- Breathable
- Thinner, Lighter and comfortable



## 6.DISPOSABLE GOWN/ WRAP

**FABRIC: Spunbonded Non-  
Woven Polypropylene / SSMMS**

**GSM Available (50, 70, 80, 90,  
110)**

**With Integrated Hood  
and Shoe Cover**





**KARIGAR**  
NIRYAT PVT. LTD

# ADDITIONAL

**Resistant to Liquid Penetration**

**Resistant to Synthetic Blood Penetration**

**Resistant to Dry Bacterial Penetration**



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**BTS**  
BIOTECH TESTING SERVICES

## **7. DISPOSABLE LONG APRON**

**FABRIC: NON-WOVEN  
SPUNBONDED  
POLYPROPYLENE**

**GSM Available (50, 70, 80, 90,  
110)**

## **8. DISPOSABLE SHORT APRON**

**FABRIC: NON-WOVEN  
SPUNBONDED  
POLYPROPYLENE**

**GSM Available (50, 70, 80, 90,  
110)**



## **9. DISPOSABLE SEPARATE HOOD**

**FABRIC: NON-WOVEN  
SPUNBONDED  
POLYPROPYLENE**

Integrated Protective Shield



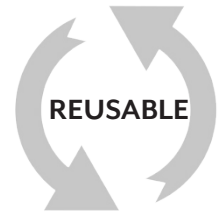
## **10. DISPOSABLE SHOE COVERS**

**FABRIC: NON-WOVEN  
SPUNBONDED  
POLYPROPYLENE**





# LIFESTYLE PROTECTIVE WEAR



## FOR EVERYDAY USE

Essential Service Providers | Work | Travel | Gathering | Workout

An over layer to keep you safe.

## RE-USABLE / WASHABLE

- 15 Washes
- Waterproof Coating
- Anti-Microbial Coating
- Resistant to Synthetic Blood Penetration
- Resistant to Moisture Vapor Transmission (breathable)
- Thinner, Lighter and Comfortable



**SITRA**  
Service for Excellence



**BIS**  
BIOTECH TESTING SERVICES

## 11. JACKET

**FABRIC: PU Coated  
Breathable Fabric**

**GSM: 65**

Keep yourself safe while you  
are out of your home.

Remove and wash after every  
use.



## 12. BOMBER JACKET

**FABRIC: PU Coated  
Breathable Fabric**

**GSM: 65**

It's stylish to be protective.

Remove and wash after every use.





### 13. GOWN / WRAP

**FABRIC: PU Coated  
Breathable Fabric**

**GSM: 65**

Keep your self covered and  
safe at work.

Remove and wash after  
ever use.



## WASHING INSTRUCTIONS

**Remove before entering  
your home.**

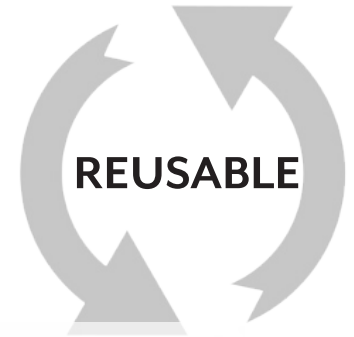
**Wash Separately**

40 degree Celsius  
Machine Wash

OR

Dip in Detergent Water  
and Disinfectant for 30  
minutes

Rise well and Line Dry



Machine wash



Line Dry



Do not Iron

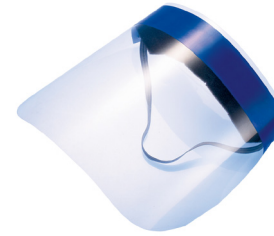
## 14. PPE KIT

### PERSONAL PROTECTIVE EQUIPMENT KIT

1. Coverall with Shoe covers
2. Eye Protection Goggles/  
Face Shield
3. Latex Surgical Gloves/  
Nitrile Gloves (Powder Free)
4. 3 Ply Breathable Surgical  
Mask (As per Requirement)
5. Eco -friendly Disposable  
Bag
6. Apron / Wrap (If required)



COVERALL



FACE SHIELD



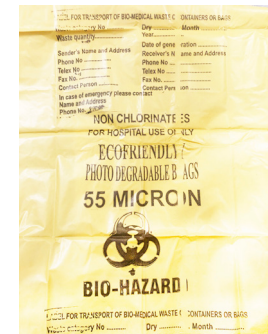
3 PLY MASK



APRON



GOGGLES



DISPOSABLE BAG  
(ECO- FRIENDLY)



GLOVES



SHOE COVERS

# CERTIFICATIONS OF THE COVERALL

6. Test Results: KARIGAR NIRYAT PVT. LTD.  
Report No: INMAS/SBPRT/16052020/02

S. No	Sample Details	Unique/ Sample Code	Thic k-ness (mm)	Fabric Mass GSM	Observation, Fabric Swatch Class qualified/ Total class (Location of specimen)	Observation, Fabric Seam Swatch Class qualified/ Total class (Location of specimen)	*Result for Garment/ fabric Class qualified/ Total class	Acceptance/ Non Acceptance*
1.	Blue coverall with Blue tape, laminated, non-woven.	COVID19/INM AS/160520-03/KAR-01	0.45	90	6/6 (Right Chest)	6/6 (Right Arm, Single joint) 6/6 (Neck, Double joint)	6/6	PASS
2.	Blue coverall with Blue coloured tape, laminated, non-woven.	COVID19/INM AS/160520-04/KAR-02	0.45	95	6/6 (Right Chest)	6/6 (Right Arm, Single joint) 6/6 (Neck, Double joint)	6/6	PASS

\*Notes: Acceptance criteria communicated to DRDO by HLL wide email dated 17/4/2020

- The final result of SBPRT for the garment will be lowest class of the test results obtained for fabric & joint (seam), if any.
- The test does not apply to all forms or conditions of blood-borne pathogen exposure. Users of the product must review modes for work/clothing exposure and assess the appropriateness of the product for their specific applications.
- The results address only the performance of materials or certain material constructions (for example, seams) used in protective clothing. These results do not address the design, overall construction and components, or interfaces of garments, or other factors which may affect the overall protection offered by the protective clothing.
- These results do not purport to address all of the safety concerns, if any, associated with use of final product. It is the responsibility of the user to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.


#### Classes

	Exposure Pressure (kPa)
6	20
5	14
4	7.0
3	3.5
2	1.75
1	0


- Exposure time is 5 min at each pressure level; Leakage is visually confirmed



## DRDO CERTIFICATION



**Ordnance Factory Muradnagar (OFM)**  
Ministry Of Defence , Government Of India  
( ISO 9001 , ISO/IEC 17025 NABL ACCREDITED )  
Muradnagar, Ghaziabad , Uttar Pradesh , Pin- 201206  
E-Mail - ofmcc.ofb@nic.in , Phone - 01232-232200



UCC No. OFM010040520

UCC Dt. 18-May-2020

Test Report

**Personal Protective Equipment (PPE) Body Coverall for COVID -19**

- Name of Testing Agency : Ordnance Factory Muradnagar (OFM)
- Date/ Period of Testing : 15-May-2020 to 18-May-2020
- Test Reference No. : IN-DI 41930113027196S
- Test Reference Dt. : 09-May-2020
- Test Reference : ISO 18603 procedure C (Class 5)
- Manufacture Name : M/S KARIGAR NIRYAT PVT LTD  
Z-27, HAUZ KHAS, NEW DELHI  
DELHI , DELHI

7. Environmental Conditions :

S.no	Parameter	Specified Value	Observed Value
1	Relative Humidity (%)	60 to 70	56
2	Temperature(ccg C)	16 to 26	22

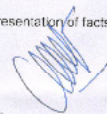
8. Test Results :

S.no	Sample Nomenclature	Result
1	Fabric portion	Pass
2	Seam Portion	Pass

Remarks :

- This UCC has been Issued with reference to MOT letter no F. No 8/4/2020- R and D dated 06-04-2020.  
Warning - The above report pertains only to the sample submitted by the customer as the samples are not drawn by the testing agency. These results need not be indicative of the results of bulk lots of the articles under consideration. The onus of maintaining the Traceability between the sample submitted for testing and the bulk lot supplied lies with the customer/ supplier. Samples may be drawn from the bulk lots by neutral Organizations and the same shall be tested to ensure their compliance with the respective quality requirements.
- Instruction to manufacturers to whom this certificate is issued-The procedures enumerated at Para - 3 and 4 of Ministry of Textiles, Govt. of India letter F no 8/2020-R&D dated 06.04.2020 must be strictly complied with regards to use of this certification.
- Manufacturer is liable to face legal consequence in the event of any misrepresentation of facts/data during the use of this certificate.
- The value of thickness observed is .47 mm (for information only)

\*\*\*\*\* End of Report \*\*\*\*\*

  
CHANDER SHEKHAR

## OFB CERTIFICATION

# RE-USABLE & WASHABLE CERTIFICATIONS

**Name of Test:**

ISO22612: 2005; Clothing for protection against infectious agents - Test method for resistance to dry microbial penetration

**Test Bacteria:**

Bacillus subtilis ATCC 9372

**Experimental conditions:**

Medium : Trypticase Soya agar  
 Incubation : 37°C for 3 days  
 Contact duration : 5 minutes

**Test Procedure:**

Test involves application of spores of Bacillus subtilis along with Talc on test fabric in dry condition using Robotic arm with pressure approx. 3N with speed of 60 rpm, for duration of 5 minutes. Test is conducted 5 times. Plates were incubated at 37°C on nutritive medium. Fabric passes the test when there are no colonies underneath. Adequate positive and negative controls are included.

**Results:**

Sample Description	Dry Penetration test
White color fabric sample – after 15 wash	PASSES

For BIOTECH TESTING SERVICES

Dr Shilpa U. Nair  
 Quality Manager  
 (Authorized Signatory)

**Biotech Testing Service Approved :**  
 Reusable and Washable



**THE SOUTH INDIA TEXTILE RESEARCH ASSOCIATION**

**CENTRE OF EXCELLENCE FOR MEDICAL TEXTILES**  
 Physical, Chemical & Biological Testing Laboratories

(ISO/IEC 17025 NABL ACCREDITED)

13/37, Avinashi Road, Aerodrome Post, Coimbatore - 641 014, INDIA



Cert. Number:TC-6944

Tegan Texofab Pvt Ltd, Ref : Letter dt 27.04.2020

ULR: TC69442060003451F

(Sample Tested at : R.H.65% +/- 2% and Temp. 21 Degree C +/- 1 Degree C)

<b>Moisture Vapour Transmission (Breathability)</b> ASTM E96-95 OPTION B g / m <sup>2</sup> / 24h	<b>P2003459-1</b> Described by the Customer : Polyester Fabric 65GSM 977
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Test Chamber Conditions  
 Temperature - 32±2°C  
 RH in Chamber - 50±2%  
 RH in Cup - 100%  
 Air Speed - 2.5m/s

- End of Report -

**SITRA Approved**

- Resistant to Moisture Vapor Transmission (breathable)



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(ISO/IEC 17025 NABL ACCREDITED)

13/37, Avinashi Road, Aerodrome Post, Coimbatore - 641 014, INDIA



Cert. Number:TC-6944

Rohit Purse Industries, Ref : 08.05.2020

ULR: TC69442060003087F

(Sample Tested at : R.H.65% +/- 2% and Temp. 21 Degree C +/- 1 Degree C)

<b>Synthetic Blood Penetration Test - Fabric</b> ASTM F 1670/F 1670M-08(2014) Result	<b>P2003242-1</b> Described by the Customer : Sample - A Fabric sample Pass
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This UCC has been issued with reference to MoT letter no F. No 8/4/2020 -R and D dated 06-04-2020.

Note: COVID 19 Warning - The above report pertains only to the sample submitted by the customer and the samples are not drawn by SITRA. These results need not be indicative of the results of bulk lots of the articles under consideration. The onus of maintaining the Traceability between the sample submitted for testing and the bulk lot supplied lies with the customer / supplier. Samples may be drawn from the bulk lots by neutral organisations and the same shall be tested to ensure their compliance with the respective quality requirements.

- End of Report -

**SITRA Approved**

- Resistant to Synthetic Blood Penetration

# CERTIFICATIONS OF THE FACTORY

FACTORY IS COMPLIANCE :

- 1) BSCI CERTIFICATION
- 2) UL WRAP CERTIFICATION



ISO 9001:2015



ISO 16603:2004



FDA :- UQ-32409



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Nodia Sector-83, UP- 201305

## **YOUR SAFETY IS OUR PRIORITY**

- **WE ARE WORKING FOR DISEASE PREVENTION & PROTECTION**  
HOSPITALS, CLINICS, ASSISTED LIVING, VISITING NURSE, FIRST RESPONDERS, MILITARY, ESSENTIAL SERVICE PROVIDERS, WORK, TRAVEL, AIRLINES, HOTELS
- **KARIGAR NIRYAT GIVES PERSONAL ATTENTION TO EVERY ORDER**
- **CAN PRODUCE QUANTITIES FROM 100 TO TEN LAKH UNITS**
- **YOUR ONE STOP SUPPLIER WITH A FULL RANGE OF PRODUCTS**