



# SHREE RAM TESTING LABORATORIES

ISO 14001 : 2015 & ISO 9001 : 2015 Approved Laboratory

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Complete Analytical Solution  
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## TEST REPORT

<b>Issued to :</b> M/S 72 Networks Pvt. Ltd. Unit no. 456, Spaze I-tech Park, Sohna Road Sec 49, Gurgaon, Haryana 122018 - India	<b>Report No.</b>	<b>MS-0230520-01</b>
	<b>Report date:</b>	25/05/2020
	<b>Sample Received:</b>	23/05/2020
	<b>Analysis date:</b>	23/05/2020 to 25/05/2020
	<b>Sampled By:</b>	Customer

**Sample Description:** N-95 Mask.

P- 1/1

Respirator/Surgical Mask

Protocol/Specification: EN 149 , IS: 9473, NIOSH 42 CFR 84/EN:14683/ASTMF-2101-19/ASTMF:1862

### RESULTS

Sl.N.	Test Parameter	Result	Specifications	Remark
1	Visual Inspection	OK (All layer stitched together no tear and no gap)	Must be OK	Pass
2	Cleaning and Disinfection	The materials used withstand the cleaning and disinfecting agents recommended by the manufacturer.	The materials used Shall withstand the cleaning and disinfecting agents recommended by the manufacturer.	Pass
3	Flammability	The face piece is not continued to burn after removal from the flame.	The face piece shall not continue to bum after removal from the flame	Pass
4	Carbon Dioxide Content	0.60 %	Max 1.0 %	Pass
5	Exhalation Valve Pull	Pass the test	Shall pass	Pass
6	Exhalation Valve Flow	Pass the test	Shall Pass	Pass
7	Breathing Resistance			Pass
a	Inhalation @30l/min	0.50 mbar	Max 0.6 mbar	Pass
b	Inhalation @90 l/min	1.92 mbar	Max 2.1 mbar	Pass
c	Exhalation @160 l/min	2.20 mbar	Max 3.0 mbar	Pass
8	Particle Filter Penetration			Pass
a	Sodium Chloride Test	3.60 %	Max 6.0 %	Pass
b	Paraffin Test	0.85 %	Max. 1.0%	Pass
9	Total Inward Leakage	8.50.%	Max 11.0%	Pass
10	Clogging Test	Pass the test	Shall Pass	Pass
11	Practical Performance	Pass the test	Shall Pass	Pass
12	Bacterial Filtration Efficiency (BFE) 28.5 l/min with 3 µ Bacteria %	99.70 %	Min 95 %	Pass
13	Particle Filtration Efficiency (PFE) %	99.60 %	Min 95 %	Pass
14	Protection against Solid and Liquid aerosols	Pass The test	Pass the test	Pass

**Remark:** The tested parameters meet as per specific requirement.

TESTED BY

END OF REPORT

AUTHORIZED SIGNATORY

  
Technical Manager  
S.K. Tiwari  
Shree Ram Testing Laboratories

**Note:-** (1) The above results are related only to the test performed on the sample, Endorsement to product is neither inferred. (2) This report is not to be reproduced wholly or in part & can not be used as an evidence in the court of law & should not be used in a any advertising media without special permission in writing (3) Sample will be destroyed after 30 days from the date of reporting unless otherwise specified.

(4) Total liability of our lab is limited to the invoice amount (5) report refers to the sample drawn by shree ram testing Laboratories unless mentioned otherwise