

ITS LABORATORY

(An ISO 9001: 2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory)

Laboratory: A-91, Sector 80, Phase-2, Noida-201301, (U.P)

M.: 09911659800, 09958849764, 07210888634

Report Code: MS-170820-01, Page 01 of 02

TEST REPORT

MASK TEST

Report Code: MS-170820-01

Issue Date: 19/08/2020

Issued To

: M/s Vijani Exim Private Limited
E-106, Export Processing Industrial Park,
Industrial Area Site-5, Kasna,
Greater Noida-201308 (U.P)

PART A: Particulars of Sample submitted

A.	Sample Description	:	Face Mask Brand name: Kasnville
B.	Date of Sample Received	:	17/08/2020
C.	Date of Commencement of Testing	:	17/08/2020
D.	Date of completion of Testing	:	19/08/2020
E.	Test Method	:	ASTM & EN 14683
F.	Sample submitted By	:	Customer
G.	Instrument Used	:	Breathing machine, Aerosol Generator, Pressure Probe etc.

TEST RESULTS

1. Differential Pressure

S. No.	Test Parameter	Test Method	Unit	Result	Requirement
1.	Differential Pressure (Breathing Resistance)	EN 14683	Pa/cm ²	46	49.0 max

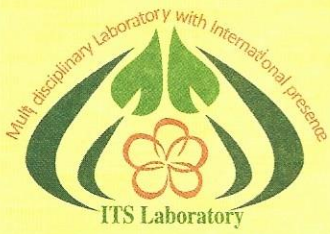
Remarks: On the Basis of Above Test Results, Sample Meets Requirements of EN: 14683.

2. Splash Resistance Pressure:

S.No.	Parameter	Test Method	Units	Result	Limit as per EN:14683
1.	Splash Resistance Pressure	ASTM F-1862-07	kPa	22	16.0 minimum

Remarks: On the Basis of Above Test Results, Sample Meets Requirements of EN: 14683.





ITS LABORATORY

(An ISO 9001: 2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory)

Laboratory: A-91, Sector 80, Phase-2, Noida-201301, (U.P)

M.: 09911659800, 09958849764, 07210888634

Report Code: MS-170820-01, Page 2 of 2

3. Particle Filtration Efficiency

S.No.	Particle Size (μm)	Initial Particle mass (mg/m^3)	Mass of Passing Sample (mg/m^3)	Percent Passing Sample (%)
1.	0.1<n<0.3	134	1	0.75
2.	0.3<n<10	147	0	0
3.	10<n<100	141	0	0
4.	100<n<1000	135	0	0

Remarks: On the basis of above tested parameter, sample having 99.25 particle filtration Efficiency.

4. Bacterial Filtration Efficiency (BFE):

S.No.	Name of test Bacteria	Recovered Bacteria After Filtration	Bacterial Before Filtration Through Mask	Percent Reduction compared to Control Sample
1.	<i>Staphylococcus aureus</i> (MTCC 737)	2.1×10^3	3.2×10^5	99.34
2.	<i>E.Coli</i> (MTCC 443)	1.9×10^3	3.3×10^5	99.42
3.	<i>Aspergillus niger</i> (MTCC 282)	2.4×10^3	3.5×10^5	99.31

NOTES: Test Method: ASTM F 2101

Flow rate: 28.3 LPM

Area Tested: 36 cm^2

Side Tested: Both Side

Requirement: 98% Minimum.

Particle size of aerosol: 2.5 to 3.0 ± 0.3 micron

Incubation Conditions: 37°C for 24 h

Remarks: On the basis of above tested parameter it is concluded that sample having Anti bacterial Filtration Efficiency compared to control sample. So removes bacteria & fungi during process of filtration with more than 99% efficiency.

Conclusion: On the basis of above test sample meets EN: 14683, Type IIR.

Notes:

1. The results given above are related to the tested sample, as received & mentioned Parameters.
2. Responsibility of the Laboratory is limited to the invoiced amount only.
3. This test report will not be generated again, either wholly or in part, without prior written Permission of the laboratory.

Gunjan
Checked by

Authorized Signatory