



ITS TESTING LABORATORY PRIVATE LIMITED

Laboratory: A-114, Sector-80, Phase-II Noida, Gautam Budh Nagar - 201305, (U.P.)
(An ISO 9001: 2015, ISO 14001:2015 & ISO 45001:2018 Certified Laboratory)
Website: www.itslab.in, Email: itrlclab@gmail.com, info@itslab.in, contact@itslab.in
+91 9911659800, 9305780312, 09958849764

Report Code: MS-260626-04, Page 1 of 2

TEST REPORT

Anti-Microbial Analysis

Report Code: MS-260626-04

Issue Date: 02/07/2026

Issued To : M/s HARVESSA LLP

B2-34,2nd Floor, Gami Industrial Park, Plot No.C-39A, TTC Industrial Area,
Pawane, Navi Mumbai, Thane 400710

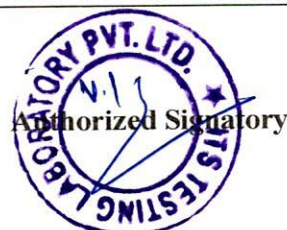
PARTA: Particulars of Sample submitted

A.	Sample Description	:	Activated charcoal pouch sample
B.	Quantity	:	One Sample
C.	Date of Sample Received	:	26/06/2026
D.	Date of Commencement of Testing	:	26/06/2026
E.	Date of completion of Testing	:	02/07/2026
F.	Test Method	:	AATCCTEST METHOD

TEST METHOD

S. No.	Test Description	Total Bacteria in room
1.	No. of Colony Forming Unit in room	262
2.	No. of Colony Forming Unit in room, When Bacteria in inoculated in a chamber	262
3.	No. of Colony Forming Unit in Clean room Chamber after 45 minute run of Sample	162
4.	No. of Colony Forming Unit in Clean room Chamber after 4hour Run of Sample	144
5.	No. of Colony Forming Unit in Clean room Chamber after 12 hour Run of Sample	86
6.	No. of Colony Forming Unit in Clean room Chamber after 24hour run of Sample	3
7.	% Reduction of Bacteria by Air Filter compare to control	98.85

45
Checked by



Terms & Conditions :

1. Test reports are valid only for the samples tested in our laboratory. 2. Samples will destroyed as per quality policy.
3. Any complaints about the report should be communicated in writing within 7 days.
4. Total liability of our laboratory is limited to invoiced amount.



ITS TESTING LABORATORY PRIVATE LIMITED

Laboratory: A-114, Sector-80, Phase-II Noida, Gautam Budh Nagar - 201305, (U.P.)
(An ISO 9001: 2015, ISO 14001:2015 & ISO 45001:2018 Certified Laboratory)
Website: www.itslab.in, Email: itrlclab@gmail.com, info@itslab.in, contact@itslab.in
+91 9911659800, 9305780312, 09958849764

Report Code: MS-260626-04, Page 2 of 2

Test Method:

- Placed the sample at inlet of air circulation device.
- 3600 liter of air is passed by filter in size of 2x2x4ft3chamber@ 2.5 lpm.
- At the end 45 minutes, 4 hour, 12 hour and 24 hour, bacterial concentration is testes in circulating air.
- Test sample will be incubated for standard Time in incubator and reported.
- Test report made with respect to pre sample to post sample and percentage reduction of microbes. Count of microbes is reported on CFU/M³

Remarks: On the basis of above tested parameter it is concluded that sample having Antibacterial properties and reduced the growth of bacteria and fungi compared to control sample. So removes bacteria during process of filtration.

Sample Image




Checked by



Terms & Conditions :

1. Test reports are valid only for the samples tested in our laboratory.
2. Samples will destroyed as per quality policy.
3. Any complaints about the report should be communicated in writing within 7 days.
4. Total liability of our laboratory is limited to invoiced amount.



ITS TESTING LABORATORY PRIVATE LIMITED

Laboratory: A-114, Sector-80, Phase-II Noida, Gautam Budh Nagar - 201305, (U.P.)
(An ISO 9001: 2015, ISO 14001:2015 & ISO 45001:2018 Certified Laboratory)
Website: www.itslab.in, Email: itlrlab@gmail.com, info@itslab.in, contact@itslab.in
+91 9911659800, 9305780312, 09958849764

Report Code: MS-260626-04, Page 1 of 4

TESTREPORT

Activated Carbon Pouch Sample Analysis

Report Code: MS-260626-04

Issue Date: 02/07/2026

Issued To : M/s HARVESSA LLP

B2-34, 2nd Floor, Gami Industrial Park, Plot No.C-39A, TTC Industrial Area,
Pawane, Navi Mumbai, Thane 400710

PART A : Particulars of Sample submitted

A.	Sample Description	:	Activated charcoal pouch sample
B.	Quantity	:	One Sample
C.	Date of Sample Received	:	26/06/2026
D.	Date of Commencement of Testing	:	26/06/2026
E.	Date of completion of Testing	:	02/07/2026
F.	Instrument used	:	Spectrophotometer, GC-FID

Initial Concentration of Polluting Gases

S. No.	Name of Test Gas	Unit	Initial Concentration
1.	Benzene	ppm	4.7
2.	Benzo(α)Pyrene	ppm	5.6
3.	Hexane	ppm	4.5
4.	Mercaptan	ppm	5.8
5.	Xylene	ppm	5.6
6.	Toluene	ppm	5.9
7.	Formaldehyde	ppm	0.02
8.	Ammonia	ppm	48.0

Test Method:

1. Activated Carbon Pouch Tested in a chamber of 1008ft³.
2. Fan was powered during operation.
3. Concentration is monitored during operation of Activated Carbon Pouch and also for Control sample without Activated Carbon Pouch Operation.


Checked by


Authorized Signatory

Terms & Conditions :

1. Test reports are valid only for the samples tested in our laboratory. 2. Samples will destroyed as per quality policy.
3. Any complaints about the report should be communicated in writing within 7 days.
4. Total liability of our laboratory is limited to invoiced amount.



ITS TESTING LABORATORY PRIVATE LIMITED

Laboratory: A-114, Sector-80, Phase-II Noida, Gautam Budh Nagar - 201305, (U.P.)

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

Website: www.itslab.in, Email: itlrlab@gmail.com, info@itslab.in, contact@itslab.in

+91 9911659800, 9305780312, 09958849764

Report Code: MS-260626-04, Page 2 of 4

4. Test Method Used as per below Table :

Benzene(ppm)	IS:5182Part-11
Benzo(α)Pyrene (ppm)	IS:5182Part-11
Hexane (ppm)	NIOSH1501
Mercaptan (ppm)	NIOSH1501
Xylene (ppm)	NIOSH1501
Toluene (ppm)	NIOSH1501
Formaldehyde (ppm)	NIOSH1501
Ammonia (ppm)	IS:5182 Part-25

TEST RESULTS

1. Benzene Removal Performance

S. No.	Time(Hr)	Observation (ppm)	Reduction Percentage
1.	Initial	4.7	-
2.	1	2.3	51.06
3.	2	1.50	68.08
4.	4	0.37	92.13

2. Benzo α Pyrene Removal Performance

S. No.	Time(Hr)	Observation (ppm)	Reduction Percentage
1.	Initial	5.6	-
2.	1	3.21	42.68
3.	2	2.01	64.11
4.	4	0.80	85.71

3. Hexane Removal Performance

S. No.	Time(Hr)	Observation (ppm)	Reduction Percentage
1.	Initial	4.5	-
2.	1	2.38	47.11
3.	2	1.51	66.44
4.	4	0.52	88.44

Checked by

Authorized Signatory

Terms & Conditions :

1. Test reports are valid only for the samples tested in our laboratory. 2. Samples will destroyed as per quality policy.
3. Any complaints about the report should be communicated in writing within 7 days.
4. Total liability of our laboratory is limited to invoiced amount.



ITS TESTING LABORATORY PRIVATE LIMITED

Laboratory: A-114, Sector-80, Phase-II Noida, Gautam Budh Nagar - 201305, (U.P.)

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

Website: www.itslab.in, Email: itrlclab@gmail.com, info@itslab.in, contact@itslab.in

+91 9911659800, 9305780312, 09958849764

Report Code: MS-260626-04, Page 3 of 4

4. Mercaptan Removal Performance			
S. No.	Time(Hr)	Observation (ppm)	Reduction Percentage
1.	Initial	5.8	-
2.	1	3.16	45.51
3.	2	1.72	70.34
4.	4	0.63	89.13

5. Xylene Removal Performance			
S. No.	Time(Hr)	Observation (ppm)	Reduction Percentage
1.	Initial	5.6	-
2.	1	4.1	26.78
3.	2	1.72	69.28
4.	4	0.51	90.89

6. Toluene Removal Performance			
S. No.	Time(Hr)	Observation (ppm)	Reduction Percentage
1.	Initial	5.9	-
2.	1	3.31	43.89
3.	2	1.54	73.89
4.	4	0.26	95.59

7. Formaldehyde Removal Performance			
S. No.	Time(Hr)	Observation (ppm)	Reduction Percentage
1.	Initial	0.02	-
2.	1	0.01	50.0
3.	2	0.007	65.0
4.	4	0.00	99.99

8. Ammonia Removal Performance			
S. No.	Time(Hr)	Observation(ppm)	Reduction Percentage
1.	Initial	48	-
2.	1	34	29.17
3.	2	18	62.5
4.	4	3	93.75


Checked by



Terms & Conditions :

1. Test reports are valid only for the samples tested in our laboratory. 2. Samples will destroyed as per quality policy.
3. Any complaints about the report should be communicated in writing within 7 days.
4. Total liability of our laboratory is limited to invoiced amount.



ITS TESTING LABORATORY PRIVATE LIMITED

Laboratory: A-114, Sector-80, Phase-II Noida, Gautam Budh Nagar - 201305, (U.P.)

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

Website: www.itslab.in, Email: itlrlab@gmail.com, info@itslab.in, contact@itslab.in

+91 9911659800, 9305780312, 09958849764

Report Code: MS-260626-04, Page 4 of 4

Conclusion:

S. No.	Name of Test Gas	Initial Concentration	Final Con. after 24hrs of Air Purification System	Reduction (%)	Acceptable Limit
1.	Benzene(ppm)	4.7	0.37	92.13	3 PPM
2.	Benzo(α)Pyrene (ppm)	5.6	0.80	85.71	3PPM
3.	Hexane (ppm)	4.5	0.52	88.44	3 PPM
4.	Mercaptan (ppm)	5.8	0.63	89.13	3 PPM
5.	Xylene (ppm)	5.6	0.51	90.89	3 PPM
6.	Toluene(ppm)	5.9	0.26	95.59	3 PPM
7.	Formaldehyde(ppm)	0.02	0.00	99.99	0.75PPM
8.	Ammonia(ppm)	48.0	3.0	93.75	50PPM

Sample Image




Checked by



Terms & Conditions :

1. Test reports are valid only for the samples tested in our laboratory. 2. Samples will destroyed as per quality policy.
3. Any complaints about the report should be communicated in writing within 7 days.
4. Total liability of our laboratory is limited to invoiced amount.