

Material Characterization

Air Filter Testing

Water Testing

Microbial Testing

Food Testing

N95 Mask Testing

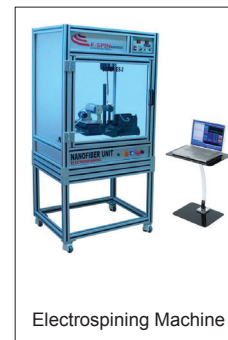
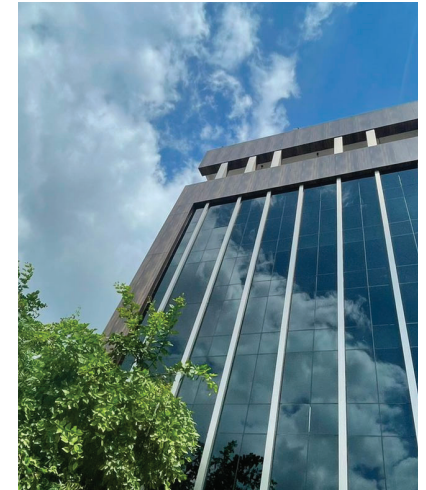


ASIA'S LARGEST TESTING FACILITY

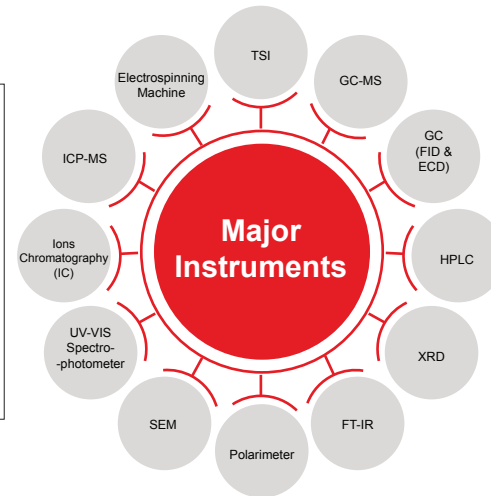
Overview

"BAI-Labs", which stands for Biome Air & Innovation Labs provides a wide range of top-notch testing facilities in Air filtration, Food, Water & Antibacterial activities, offering conformity assessment services according to the standard of various regulating authorities. Through these testing, we aim to maintain the objective of quality products and quality systems across India, enabling customers and consumers to determine if the quality of water we drink, the air we breathe and the food we eat is SAFE and PURE to avoid various health implications.

With highly advanced analytical tools and a skilled workforce, our testing laboratory is one of a kind and unique in its ability to serve industries, research organizations, and individuals.



Electrospraying Machine



TSI

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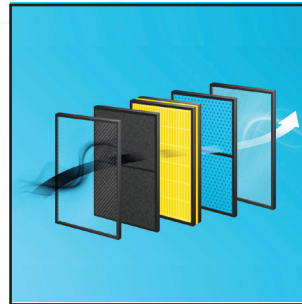
Material Charectarization

3-D profiler (contact)
 3-D profiler (optical)
 Contact angle Goniometer
 Direct Laser patterning
 E-beam deposition
 E-Beam lithography
 EDX Mapping + FESEM (super 40 VP)
 Electrospinning
 Ellipsometer AOI data
 Ellipsometer model development
 Ellipsometer spectroscopic data
 FESEM (super 40 VP)
 FTIR
 Gold Coating
 HPLC
 Induced Plasma Chromatography
 Ion Chromatography
 Micro Raman
 Micro Raman image mapping
 NMR
 Photoresist coating/processing
 Reciprocal Space Mapping
 Reflectivity
 RIE- Oxygen-Argon Plasma
 Scanning Tunneling Microscope
 SEM (EVO 18)
 SF-100 Xpress Photolithography
 Sputtering
 Thermal and Thermal vapor deposition
 Thickness analyzer(nkd)
 Thickness analyser
 UV- Visible spectrophotometer
 XRD
 Zeta-DLS



Workshops and Trainings

Bioinformatics
 Food Technology
 Microbiology
 Nanotechnology



Air Filter Testing

Filter Penetration
 Load Test
 Resistance Test



Microbiological Testing

Microbial Testing



Food Testing

Animal Food and feed
 Bakery & Confectionery Products
 Cereals, pulses and cereals products
 Coffee & Cocoa Products
 Edible oil and ghee
 Edible salt
 Fruits, Vegetables and its products
 Herbs and spices
 Honey and its products
 Meat and its products
 Milk and Dairy products
 Non-alcoholic beverages
 Nuts and its Products
 Sugar and Sugar products
 Tobacco and its products



Water Testing

Drinking Water
 Pollution & Environment Effluent
 /Sewage / Waste Water
 Water for Construction Purpose



Quality check for N95 masks

Breathing Resistance
 Carbon dioxide Content
 Field of vision
 Filter penetration
 Flammability
 Mechanical Strength
 Practical performance test
 Tensile strength
 Total Inward Leakage