

ANALAB[®]

pH Conductivity
Salinity TDS Resistivity
Moisture
Melting Boiling
NaKCa
Zero N₂ H₂ Gas Generator
Air Leak Test
Tap Density Friability
Tablet Dis-Integrator Hardness
Dissolution



manufacturer & exporter of analytical scientific instruments
for quality control and research laboratory

www.analab.co.in

About Us

ANALAB[®], a Vadodara-based company has been manufacturing **scientific & analytical laboratory instruments** for quality control, quality assurance & R&D centers for the last **15 years**. The area of application is in field of pharmaceutical & Formulation, Research Centre, pesticides, petroleum, dyes & intermediate, fine chemicals, educational institute and many more industries. Through our **innovative approach** and **resolute product research**, we have been able to create a niche in the domestic market. The company has **succeeded** in having a presence in the **international market** since 2018 and we have started accepting **OEM orders** from various countries. The hallmark of our policy is **integrity** and **consumer satisfaction**. To set a benchmark, we leave no stone unturned in ensuring a very high rate of consumer satisfaction.

Message from CEO & Founder of Company

At **ANALAB**[®], we earn and retain our customer trust by offering highly effective, **evidence-based training** and customer **service at a reasonable and competitive cost**. We never compromise on our quality and integrity and are always committed to **teamwork** and innovation.

If you are looking for a scientific laboratory instrument partner, then Analab, is the end of your search. One of our biggest pluses is that we never say NO to any challenges. With a **positive mindset**, we are always ready to provide you with a solution. Our friendly teams will provide you with a **professional and dedicated service**. You meet us once and you will have the Analab, Brand for your laboratory. Come meet us and give us a chance to supply the scientific laboratory instruments that meet your requirements.

If you have any queries, we would **love to hear from you**.

Certification

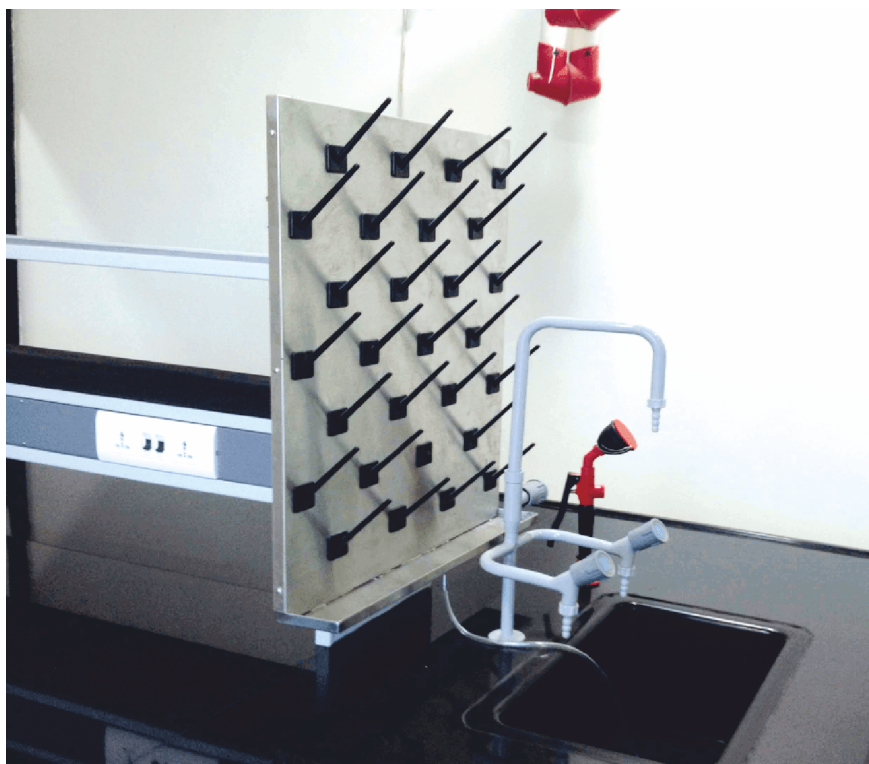


Laboratory Furniture & Fume Hood





Laboratory Work Station



**Safety is a Presence of mind.
Accidents are an Absence of mind.**

Laboratory Work Station is a support system for working in defined laboratory environment. It is an exclusive space for placing variety of instruments and equipment required in various laboratories.

HOW TO USE LABORATORY WORK STATION:

- Always keep work station clean and dry.
- In case of spillage of chemicals, wipe off the work surface immediately, delay may damage the affected work surface.
- Turn off all heating apparatus, gas valves, and water faucets when not in use.
- Do not block the sink drains with debris.
- Place chemicals in chemical storage only, preferably with acid resistant lining connected to exhaust.
- Solvents should be stored in flame proof cabinets only.
- Ensure that drawers are not over loaded. Drawer and door alignment will enhance cabinet's life.
- Deep scratch on powder coated component invites rust on exposed portion, immediate touch-up will ensure long life of the component.
- Always wear appropriate eye protection, long-sleeved laboratory coat and shoes that cover the whole foot.
- Do not use laboratory work bench as a stool.
- Do not use work bench as a dining table.



Every Laboratory Work Station is unique in its own.

Wide Choice of Work Surface



• Granite tops



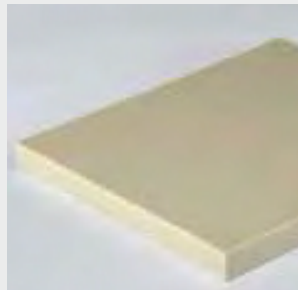
• Trespa tops



• Epoxy tops



• Ceramic tops



• PVC tops



• PP tops

Spectrum of Choice for Colour Combinations of Casework



Pedestal Assembly



Skirting Assembly



Skirting type pedestal

C-frame Assembly



Casework on Wheels



PU Wheels :
Noise & scratch free, smooth movements



Emergency Shower
with Eye Wash

2 Way Needle Cone Valve

1 Way Needle Cone Valve

Eye Wash

3 Way Water Tap



Polypropylene Sink



Stainless Steel Sink



Ceramic Sink

Metallic / PVC Raceway & Choice of Electrical Sockets



PVC shockproof raceway



Socket for data transfer / Telephone



Universal Socket



6/16 Amp Sockets with MCB



Metal Clad Socket



Fire Retardant Industrial Socket



Flame proof fittings



High Performance Fume Hoods

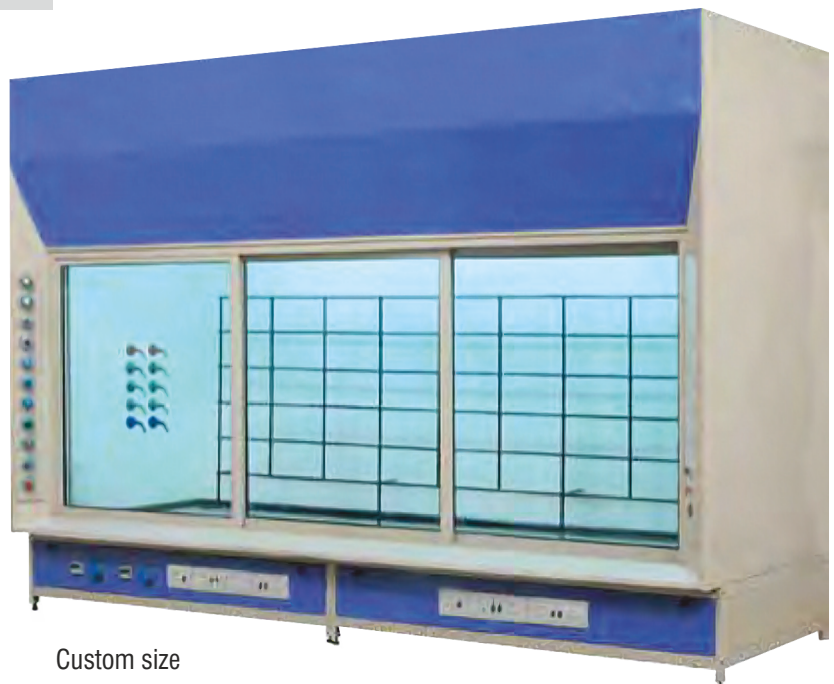
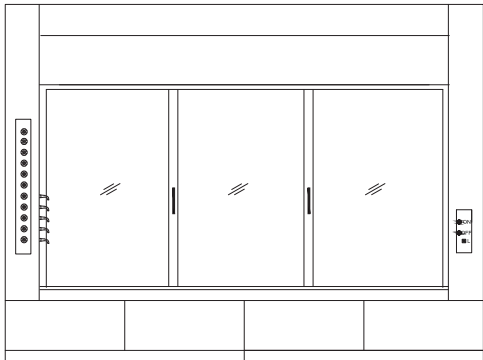


How to use Fume Hood :

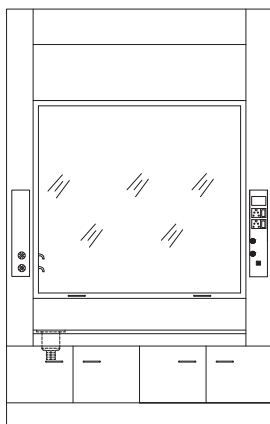
- Please place your equipment and other materials at least six inches behind the sash; preferably in the middle of the fume hood.
This will reduce the exposure of personnel to hazardous chemical vapors that may escape inside the lab due to air turbulence.
- When the hood is not in use, pull the sash all the way down. While personnel are working at the hood, pull down the sash as far as is practically possible.
- The sash is generally made of safety / toughened glass which protects users against fire, splashes, and explosions.
- Please keep fume hood sash open at or below 18 inches; preferably it should be below the nose level of the user.
- Do not keep loose papers or tissues inside the hood. This kind of material can be drawn into the blower and adversely affect the performance of the hood.
- Do not use a fume hood or its base as a storage cabinet for chemicals.
- Excessive storage of chemicals or other items will disrupt the designed airflow inside the fume hood. Particularly, avoid storing chemicals against the baffle at the back of the hood because this will interfere with the laminar airflow across the hood.
- In case, large equipment is must to be kept inside fume hood, please raise it at least 2 inches off the work surface to allow air to flow underneath. This reduces the turbulence within the hood and helps to increase its performance.
- Please do not block the front of a fume hood (e.g. refrigerators or lab coats hanging on the manual controls) as this can disrupt the airflow and draw contaminants out of the hood.
- It is to be understood that modifications made to a fume hood system can be a reason to make the entire

**'Using wrong fume hood correctly' OR
'Right fume hood wrongly' gives no result**

Types of Fume Hood



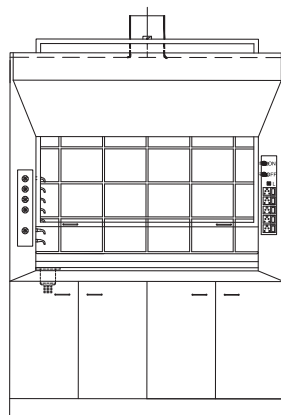
Custom size



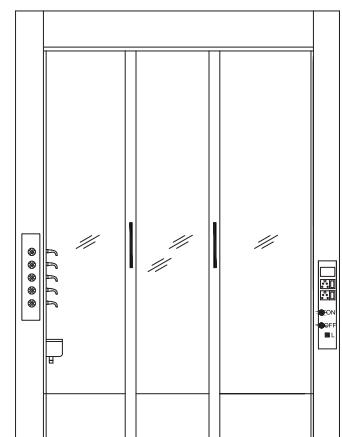
Low bench



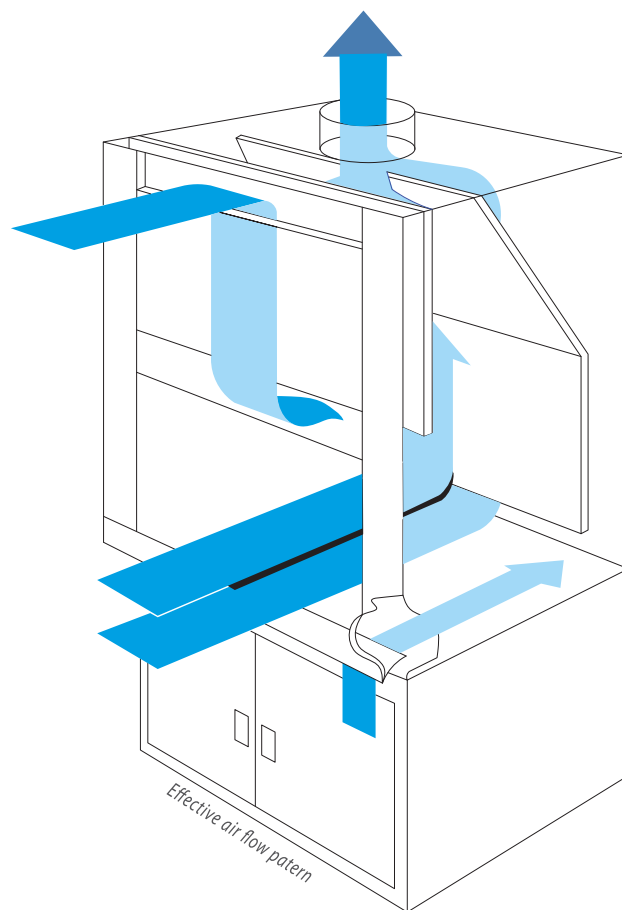
Walk-in type



Bench mounted



Complying to Testing Standards



| Organizations | Citation | Face Velocity |
|---------------|---|---------------|
| ACGIH | Industrial Ventilation 19th edition p.5.24 | 60-100fpm |
| A5HRAE | 1999 ASH RAE Handbook 13.5 | 60-175fpm |
| ANSIIAIHA | ANSI/AIHA Z9.5, Sect 5.7 | 80-120fpm |
| CALOSHA | CCR Title VIII Subchapter 7.5454.1 | min 100fpm |
| NRC | Prudent Practices P.187 | 80-100fpm |
| NFPA | NFPA 456-4.5 & A6-4.5 | 80-120fpm |
| NIOSH | Recommended Industrial Ventilation Guidelines p.166 | 100-150fpm |
| NRC | NRC Guide 6.3 | 100fpm |
| OSHA | 29 CFR 1910 Appendix A Sec. A.C.4.g | 60-100 fpm |
| SEFA | SEFA 1.2 : 5.2 | 75-100fpm |

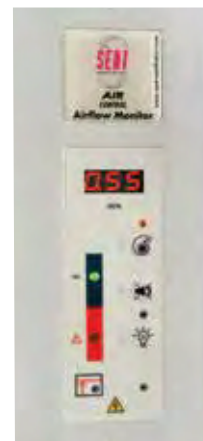
Fume Hood Performance



Ideal Noise level < 70 dB



Required average face velocity 0.5 m/s



Airflow monitor

Fume Hood Assembly Details



Fume hood valve



Epoxy grid



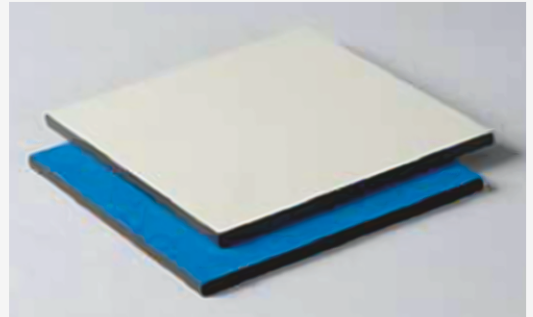
Acid resistant lining



Brass nozzle & PU tubing with presto fittings

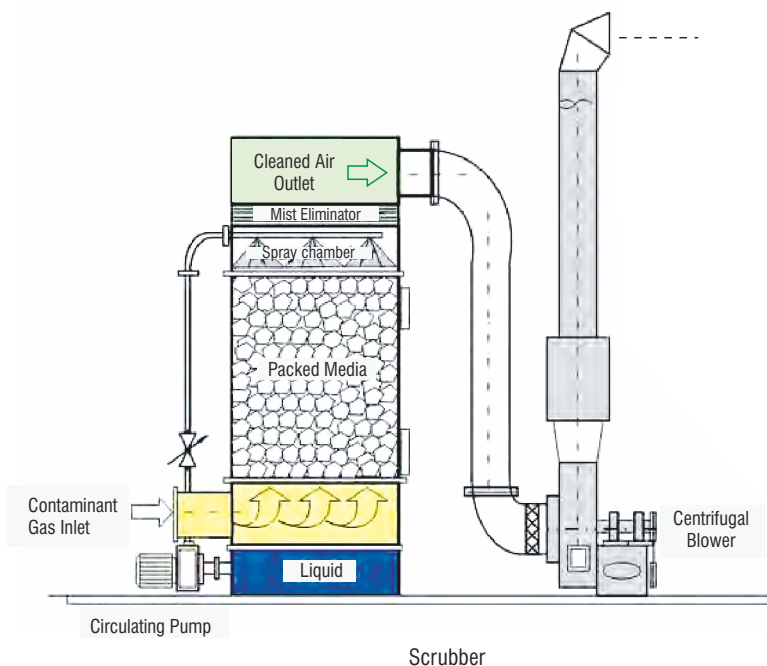


Nylon pulley and SS rope for counter balance system



Trespa lining (Optional)

Fume Exhaust System



Damper



Centrifugal blowers



Bench Mounted Fume Hood





Slotted Angle Rack



General Purpose Storage
Cupboards



Chemical Storage
Cupboard



Frame / C-Frame Mounted
Work Bench



Radioisotope Fume Hood



Auxiliary Air Fume Hood

Safety Cabinet for Flammables



Safety Cabinets for Corrosives



Pedestal Mounted Work Bench



Storage Units



Slotted Angle Rack



Wall Storage Cupboard



Lockers



Apron Cabinet

Stand Alone Units



Anti-Vibration Table



Cross Over Bench



Laboratory Stool & Chair



Laboratory Stool



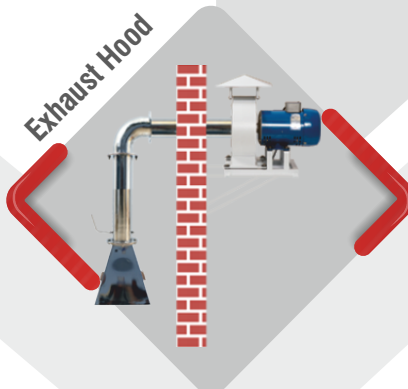
Laboratory Chair

Laboratory Furniture & Fume Hood

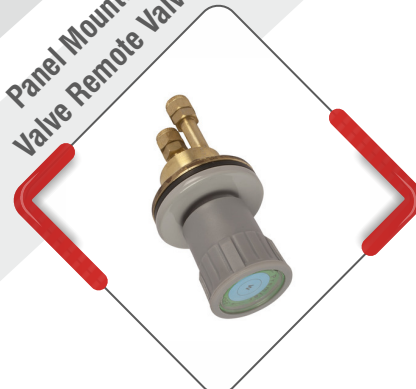
Laboratory Furniture



Exhaust Hood



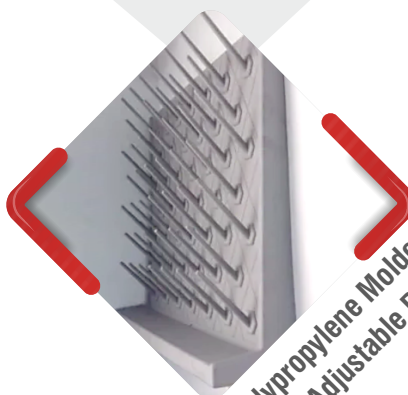
Panel Mounted
Valve Remote Valve



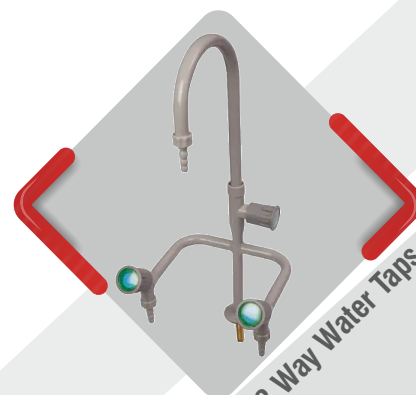
Fume Hood



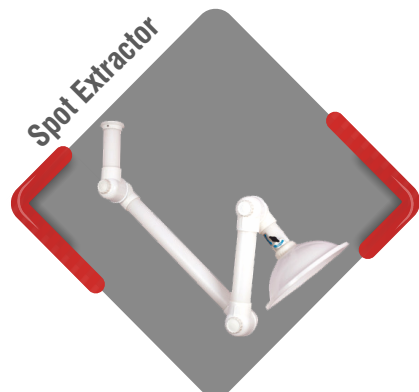
Polypropylene Molded
with Adjustable Pegs



3 Way Water Taps



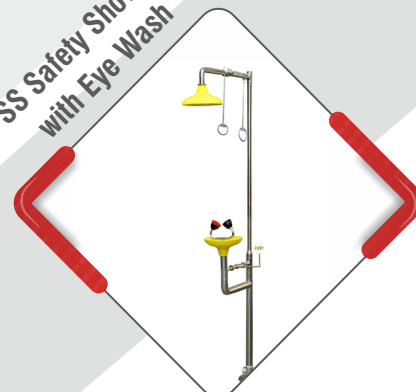
Spot Extractor



2 Way Eye Wash



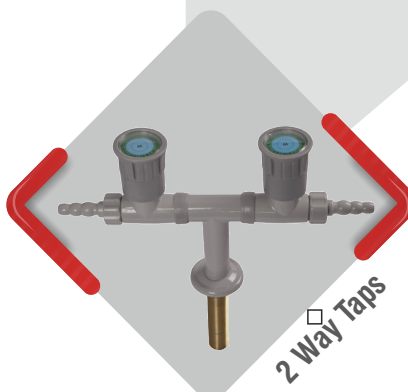
SS Safety Shower
with Eye Wash



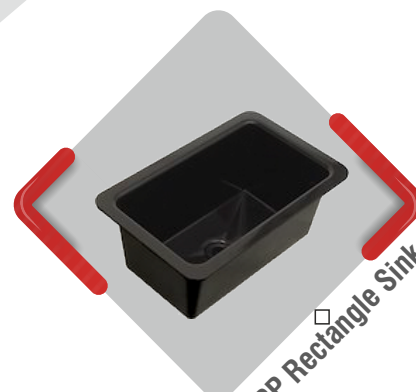
Blower



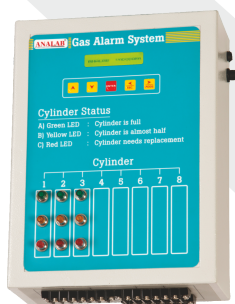
2 Way Taps



PP Rectangle Sink



Flow Chart of Gas Handling & Purification System



Gas Cylinder Alarm System
(Available upto 8 cylinder
in single unit)

- Hydrogen
- Nitrogen
- Zero Air
- Helium

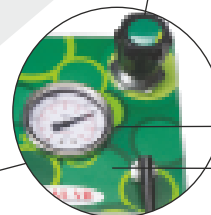
GHS - PLUS-04



Brass Chrome plated
SS Diaphragm Pressure
Regulator (Optional)



Stainless
Steel
Machine
Shield Pressure
Gauge



Reverse screen
printed
polycarbonate
sticker for
colour coding

Inline Micro Filter

POWDER COATED CASING CAPPING

Flash Back
Arrester with
NRV



Gas Control Module
GCM-GRT-04



Ministation
GCM-T-04



Gas Change
Over Module
GCOM



Gas Control
Module with
Flow Meter

SS Tubing available in 1/8", 1/4", 3/8", 1/2"



Double Stage Cylinder Regulator
with SS Diaphragm



Manifold System with
Bracket & Pigtail
Cylinder Mounting Bracket
with Welcrow



Oil Free Air Compressor



Combination Nitrogen and
Zero Air Gas Generator

**Note: We undertake Turnkey project for
Gas Pipe Line along with orbital welding**

Product Range

Pharmaceutical and Chemical Testing Instruments

pH/mV/°C/ORP Analyzer | Conductivity/TDS/Resistivity/Salinity/°C Analyzer
Multiparameter Analyzer (pH/ORP/Conductivity/TDS/Resistivity/Salinity/°C)
Karl Fischer Titrator | Auto Titrator | Automatic Melting/Boiling Point Apparatus
Flame Photometer | Ultrasonic Bath (Sonicator) | Ultrasonic Bath with Chiller
Analytical Electronics Balance | Halogen Based Moisture Analyzer

Physical Tablet Testing Instruments

Friability Test Apparatus | Tablet Dis-integration Test Apparatus
Tap Density Test Apparatus | Tablet Hardness Tester
Leak Test Apparatus | Tablet Dissolution Test Apparatus

Gas Purification System & Gas Generator

Nitrogen Gas Generator | Zero Air Gas Generator
Combination Nitrogen/Zero Air Gas Generator
Air Drying Unit for TOC Analyzer | Dew Point Apparatus
Gas Handling & Purification System | Exhaust Hood for AAS/ICP

Laboratory Furniture & Fume Hood

Global
but local
Exclusive but elite
Large but focused
Where others
see contradiction,
we see
opportunities.

Distribution Network



ANALAB SCIENTIFIC INSTRUMENTS PVT. LTD.

AN ISO 9001 : 2015 CERTIFIED CO.
CIN: U33110GJ2005PTC046555



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Specification & design are subject to change without prior notice for our continuous development.

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