

# **TEST YOUR**

## **FOOD, WATER, ENVIRONMENT, COMPRESSED AIR**





**NABL has certified us prominently for our Food, Water & environmental testing services.**  
We assure our customers, high quality, accurate & reliable results and excellent service to each and every customer.



• IS • BAM • APHA • AOAC • FCC • CODEX • ISO • USP • BP • IP

### Autocal offers:

- ▲ Qualified ,trained & well experience d staff
- ▲ State of art, fully automated latest server based instruments.
- ▲ Validated test methods
- ▲ Appropriate testing procedures
- ▲ Proper sample practices
- ▲ Advanced quality assurance procedures
- ▲ Traceable reference materials
- ▲ Complete transparency with customer



### How we work:

- ▶ Sample collection
- ▶ Validated test procedure
- ▶ On time & accurate test result
- ▶ All test reports dispatched within TAT
- ▶ Certification & guidance as per ISO : IEC 17025 standards

### Sample collection:

Water, environment & food samples are collected as per industry approved sampling protocols (procedures & methods). Autocal works with clients for sampling as per approved SOP with reference to ISO/IS/APHA standards.



# Food

We perform various Physical, Chemical & Bacteriological analysis for seafood, non-seafood, Swabs, Dairy Products, Beverages, & oils

## Matrix analysed:

- Cereals & Pulses
- Nuts & Nut Products
- Spices
- Bakery Products
- Fruits & Vegetables
- Snacks
- Milk & Dairy Products
- Fish & Fish Products
- Meat & Meat Products
- Ready to Eat Products



## Following tests are conducted for above matrices:

- ▶ Nutritional Labelling: Fat, Protein, Carbohydrates, Sugar, Energy, Vitamins, Minerals etc
- ▶ Shelf Life Studies
- ▶ Residues & Elemental Contaminants
- ▶ Additives
- ▶ Toxins
- ▶ Microbiological Parameters



# Environmental Monitoring & Testing

Environmental monitoring is one of the most vital roles involved in environmental responsibility and sustainability. Environmental monitoring helps to ensure that the industrial projects being implemented abide by policies and practices to decrease their impact on the environment.



## Air Monitoring at:

- Ambient air monitoring as per National Ambient Air Quality Standards
- Source Emission Monitoring as per SPCB & CPCB guidelines
- Workplace monitoring as per Factory Act, OHSAS, NIOSH etc
- Indoor Air Quality Monitoring as per ASHRAE, CPCB etc.
- Ambient & Stack noise monitoring
- Ventilation studies
- Illumination studies



## Waste Water:

- Waste Water generated from various processes and from various treatment
- ETP Inlet & outlet
- STP Inlet & outlet
- Aeration tank
- Primary & secondary clarifiers



## Soil:

- Soil Fertility testing
- Micro & Macro nutrients in soil
- Contaminants in soil





# Water

Water is an important element to regulate the body, so drinking water should be pure and hygienic. Otherwise, people may suffer from various water-borne diseases. Hence water used for drinking and various other purposes should be pure & hygienic.



## We test:

- Drinking water
- Packaged drinking water
- Packaged Mineral drinking water
- Bore well water
- River water
- Pond water
- Tanker water
- Process water
- Swimming Pool water/Recreational water
- Reagent Grade water
- Water used for Irrigation purpose
- Cooling tower water
- Boiler blow test down water
- Chiller water
- Chilled water



# Compressed Air

Compressed air is a gas or a combination of gases, that has been put under greater pressure than the air in the general environment. Current applications using compressed air are numerous and diverse, including jack hammers, tire pumps, air rifles, and aerosol cheese. According to proponents, compressed air also has a great deal of potential as a clean, inexpensive, and infinitely renewable energy source. Its use is currently being explored as an alternative to fossil fuels.

## We analyse the following types of Compressed air:

- Compressed air as per ISO 8573 Part 1 Specification
- ISA-S7.0.01-1996 and GMP for validated systems
- Medical Gases as per NFPA- National Fire Protection Association & US Pharmacopeial convention
- Clean room Gas Specifications as Per ANSI - American National Standards Institute
- SCUBA sport diving Compressed air specification as per Compressed Gas Association
- Pure Gas specification as per Compressed Gas Association



## Value added services to customer, technical guidance on:

- Waste water treatment plants
- Quality of drinking water
- Indoor Air Quality
- Environmental monitoring with site survey report
- Shelf life & Efficacy studies of Home care & Personnel products



## Others

**Consumer products analysis as per BIS, ISO & International Standard:**

- Shampoo
- Cream
- Shaving cream
- Detergent powder & bar
- Dish washing liquid & bar
- Floor cleaners
- Toilet cleaners
- Agarbatti
- Naphthalene balls, room fresheners
- Glass cleaners



## Fertilizers:

- Nitrogen based fertilizers
- Potash based fertilizers
- Urea
- Compost
- Vermicompost
- Nutrients to plant



**Packing Material Testing as per EU guidelines & IS guidelines:**

- Migration tests overall migration
- Migration of elements



## Miscellaneous:

- Purity of chemical
- Residual solvents
- Voc's volatile organic compounds







**Autocal Solutions Pvt. Ltd.**

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