



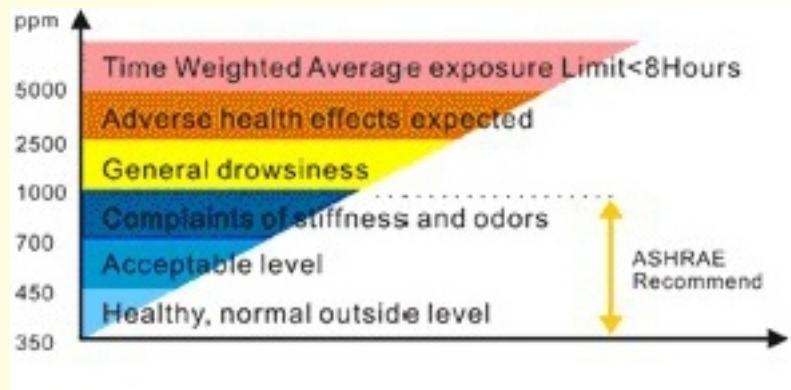
Spectro Analytical Labs Ltd. is one of the leading laboratories in this region, which possess the broadest range of environmental testing facilities. Founded in the year 1995 as the first independent spectrometer laboratory in Delhi. It has now well-diversified setup for analyzing a wide range of materials for more than 12000 customers in various sectors of public & private agencies.

SPECTRO has ISO 17025 accreditation in four fields. I.e. Chemical, Mechanical, NDT and Biological.

## INDOOR ENVIRONMENTAL QUALITY

Feeling good in our homes or offices isn't just a matter of having a beautiful space, but also having a pollution and disease free healthy environment which can be acquired by regular monitoring and inspection of the workplaces or any close area. Maintaining a healthy and comparable indoor environment in any building requires integrating many components of complex system that is both constructed and essential in now a day.

## STANDARD GRAPH FOR INDOOR CO<sub>2</sub> CONCENTRATION (AS PER ASHRAE)



## PRIME IAQ SERVICES

- Spectro can design guidelines and documents for people engaged in indoor environment quality problems.
- Spectro educate and provide training for policy maker, media, and the industry about the need for healthy environment quality problems.
- Spectro address complaints from the occupants of the places reporting about any enclosed space.
- Spectro evaluate indoor environment conditions across different types of building by studying their physical (abestos, temperature, humidity, inadequate ventilation, etc.) chemical (CO<sub>2</sub>, CO, HCHO, VOCs, etc) and biological parameters (moulds, **Legionella pneumophila**).
- We also perform analysis of the indoor material for furnishing, etc which may enhance pollution.
- Testing of food and water quality as per international standards.
- Checking the sources and modes of pathogens and moulds, etc.
- Risk management, fire and safety and hazard analysis.
- Spectro provide methodology to control, prevent, cure and remedy for adverse environmental incidents by Public awareness;(i)Modification in building design; (ii) Improvement in the ventilation and (iii) Multisectoral approach
- Address microbial contamination issues like **Legionella pneumophila**, etc.



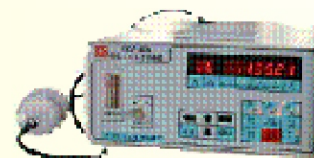
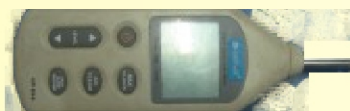
## OUR PROFICIENCY



- Inspection of air-conditioning installations.
- Indoor air pollutant determination.
- Thermal comfort assessment
- Studying light effect
- We perform the indoor material testing as per LEED agreement, (material used while newly constructing or renovating the building).
- Noise and electromagnetic fields examinations.
- Hygienic, microbiological and chemical research
- Asbestos risk assessments
- *Legionella pneumophila* control
- Water quality control

## OUR PARAPHERNALIA

- Sound level meter
- HPLC
- ICP ( inductivity coupled plasma spectrophotometer )
- XRF
- AAS (atomic absorption spectrophotometer)
- Digital Sound Level Meter
- Remote operated Weather Station data counters
  1. Relative Humidity
  2. Temperature
  3. Wind Direction
  4. Atmospheric Pressure
- Indoor Monitoring Kit with Vacuum Pump
- Airborne Particle Counters (can take onto 0.1 10m particles).
- Toxic Gas Monitors (approximately 32 VOCs can be predicted in the range of 20 300 ppm).
- Respirable dust sampler
- Stack monitoring Kit with Vaccum pump
- Indoor air monitoring test apparatus
- GC - MS
- FTIR
- Well equipped microbiological laboratory
- Carbon mono-oxide detector



## OUR MAJOR CLIENTS

- Delhi Metro Railway Corporation
- RTC Groups
- Camadian High Commission
- Australian High Commission
- US Embassy
- World Bank Group (ADB)
- Hotel groups:-
  - Welcome (Maurya Sheraton) group
  - Le Meridian
  - J.P. Groups
  - Hyatt
- Vertex Customer Services

## SOME APPROVALS

- BIS
- BVIS
- DNV
- RITES
- RDSO
- DGS&D
- EIL
- LLYODS
- NABL
- ISO



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