

INTRODUCTION

M/s NIR Laboratory Pvt Ltd (Known as Formerly **M/s Neon Industrial Testing & Research Laboratory**,) is located in its own premises at Khasra No. -205 A-B, Rajpura near Subhash Inter College Mawana Road Meerut ,in the state of Uttar Pradesh. The Laboratory was established in 2020 and continue to function successfully in the sphere of industrial pollution for testing ,consultancy and other related functions.

The growth of the laboratory has not only been constant but also phenomenal as well as consistent to the aims and objectives that were decided at the time of formation of the company . the functional area of the ISO -9001:2000 certified Laboratory has been widened to include varied environmental level . in fact the laboratory aims at acquiring the global shape catering to global services , in regard with environmental activities , with the hall mark of excellence and quality. Looking into the growth of the laboratory , it is noted that laboratory has acquired accreditation from NABL, New Delhi. NABL is the formal recognition of technical competence for quality testing in the form of accreditation based on international standards. Further , ministry of environment and forests, Govt .of India has also extended the recognition to the laboratory under Environment (Protection) Act 1986.

OUR CERTIFICATES

- ISO / ICE 17025:2017

-Laboratory Accredited by NABL

ISO 9001: 2015 – IQMC/QMS/37004/484/608

CONTACT US

M/s NIR Laboratory Pvt Ltd

Khasra No. -205 A-B, Rajpura

Near Subhash Inter College

Mawana Road , Meerut

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QUALITY POLICY

M/s NIR Laboratory Pvt Ltd , are committed to the continuous improvement of working processes to achieve customer satisfaction and therefore company aims at –

- Providing quality professional services that conform to customer and regulatory requirements.

- Ensuring that all personnel familiarize themselves with the quality documentation and implement the policies and procedures in their work.
- Delivering testing services with accurate methods and quick test results while maintaining the economical value to the customer.
- Complying with ISO / ICE 17025:2017 standards at all times to ensure quality testing services and ensure continuous improvement of the quality management system.

OUR OBJECTIVES

To strive for customer satisfaction

To minimize the customer complaints

To make efforts for the planned growth of the company

OUR SERVICES

M/s **NIR Laboratory Pvt Ltd** provide total environmental services under one roof for the convenience of its customers. Thrust area of environment are constituted of two broad spectrums i.e. Consultancy and Monitoring . Consultancy include carrying out EIA and other environmental studies designing of pollution control systems, setting up of laboratory etc . monitoring services include different types of air, water , solid and solid waste analysis.

PROFICIENCY TESTING PROGRAMMES

To ensure quality analysis in the laboratory , laboratory has been successfully participating in the PT and inter laboratory programmes conducted by CPCB and other organization .

LIST OF PARAMETERS

WATER PHYSICAL TESTS

Colour , Ph, Conductivity ,Odour ,Taste ,Turbidity ,Fixed & Volatile Solids , Total Solids , Total Dissolved Solids , Total Suspended Solids, Temperature , Settle Able Solids, Sludge Volume Index.

METAL TEST

Iron, Copper , Lead , Zinc , Nickel, Chromium (Total), Chromium (Hexa), Aluminum , Silver , Selenium , Gold , Arsenic , Cadmium , Tin ,Mercury , Boron , Vanadium , Magnesium , Calcium , Manganese , Sodium , Potassium , Lithium

BUILDING MATERIAL TEST

Refrigerated water bath with circulation system, Hot air oven (Mettler Type), Digital vertical laminar air flow (SS), Autoclave (Vertical) 48 Ltrs cap., Bio safety cabinet (Class-2), Light microscope(Binocular) , Micro biological incubator (SS) with PID, Pass box with U V light(SS) automatic etc.

METEOROLOGICAL

Ambient Temperature ,Wind Direction , Wind Speed , Relative Humidity

INORGANIC GENERAL AND NON METALLIC TESTS

Acidity ,Alkalinity , Ammonical Nitrogen ,Chloride ,Chlorine Residual , Dissolved Oxygen , Fluoride , Total Hardness, Total Kjeldhal , Nitrogen , Nitrite Nitrogen ,Nitrogen , Nitrate Nitrogen ,Phosphate, Sulphate , Carbon Dioxide , Chlorium Demand, Sulphite, Silica (Reactive), Cyanide

ORGANICS

BOD, COD, Oil & Grease, Phenol ,Pesticides, (Organo Chlorine-Endosulphan, Aldrin, & Organo Nitrogen- Phosphorous-Malathion , Methyl Parathion, Chloropyrifos) ,Tannin & Lignin , Mineral Oil , Surfactants .

BIOLOGICAL

Benthic Organism , Macrophytic , & Planktonic Identification & Count And Chlorophyll

MICROBIOLOGICAL

Total Coliform , Faecal Coliform , Faecal Streptococci & Enterococcus, E. Coil , Total Plate Count , Coliphage

TOXICOLOGICAL

Bioassay Method For Evaluation Of Toxicity , Using Fish (LC50) , Measurement Of Toxicity, Using Daphnia And Other Organism In Water.

HAZARDOUS WASTE

Preparation Of Leachate , (TCLP Extract / Water Extract) , PFLT, Measurement Of Heavy Metal In The Waste / Leachate , Leachability.

SOIL /SLUDGE/SEDIMENT AND SOLID WASTE

Electrical Conductivity , pH, Colour, Moisture Content , Organic Matter , Bicarbonate , Chloride , Sulphate, Phosphorous Available , Phosphorous Total , Nitrate ,Oil & Grease , Nitrogen Available , Organic Compound , C/N Ratio, Ammonia , Potassium, Sodium, Calcium, Magnesium , SAR,ESP, Total Water Soluble Solids, Heavy Metals, Boron, Specific Gravity , Texture , Porosity ,Permeability , PFLT, Calorific Value , Flammability, Sludge Volume Index, Compressibility & Cation Exchange Capacity

AMBIENT AIR

Nitrogen Dioxide , Sulphur Dioxide, Total Suspended Particulate Matter, Respirable Suspended Particulate Matter, Fluoride, Carbon Monoxide, Chlorine, Non-Methane Hydrocarbon, Lead , Benzene , Toluene Xylene (BTX) , Volatile Organic Carbon , Polycyclic Aromatic Hydrocarbon (PAH)

STACK GASES /SOURCE EMISSION

Particulate Matter , Velocity , Flow, Temperature , Sulphur Dioxide , Carbon Monoxide , Carbon Dioxide And Oxygen In Stack Gases ,Oxide Of Nitrogen ,Ammonia ,Hydrogen Sulphide & Carbon Di-Sulphide ,Acid Mist.

NOISE

Noise Level Measurement (Leq, Ld, Ln)

TESTING METHODS

The laboratory has adopted the following methods for the sampling and analysis of environmental samples.

BIS Methods

MOEF/CPCB Methods

APHA Methods

USEPA Methods

LIST OF INSTRUMENTS

AAS With Hydride Generator

Bacteriological Incubator

BOD Incubator

Bomb Calorimeter

Carbon Monoxide Assembly

Centrifuge

Closed & Open COD Reflux Assembly

Colony Counter

Conductivity Meter

Cyanide Distillation Assembly

Electronic & Electrical Balance

Filtration Assembly

Flame Photometer

Flash Point Apparatus

Gas Chromatograph With NPD & FID Detector

Handy Sampler

High Volume Sampler With Gaseous Attachment

Hot Plates

Hygrometer

Laminar Air Flow

Magnetic Stirrer
Mercury Analyser
Micropipettes
Microscope
Muffle Furnace
Organic Vapour Sampler Kit
Orsat Apparatus
Ovens
Personal Sampler
Ph Meters
Respirable Dust Samplers With Gaseous Attachments
Shaker
Sound Level Meter
Stack Monitoring Kits With Gaseous Attachments
TKN Distillation And Digestion Assembly
Turbidity Meter
UV-VIS Spectrophotometer
Visible Spectrophotometer
Water Baths
Humidity Chamber
Specific Gravity Balance
Curing Tank (6 Cube)
Vibration Machine With Table For 4 cube mould
Biosafety Cabinet Class II ETC