



PACIFIC LABORATORIES

Testing of Gases & Petroleum Products

ISO 9001 : 2008



Keeping the Industries Running

Pacific Laboratories is a leading organization dealing in all types of Industrial Gases. We are the Vital Link to a lot of industries as we are responsible for supplying special, high purity gases for their operations. We provide crucial and cutting-edge economic, social and environmental solutions.

Email: www.pacificlabs.in

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ANALYTICAL TESTING FACILITY

INDEPENDENT SAMPLING & TESTING LABORATORY

● ANALYSIS OF NATURAL GAS ON GAS CHROMATOGRAPH

Natural Gas Components and Range of Composition Covered Component Mol %

- Helium 0.01 to 10
- Oxygen 0.01 to 20
- Carbon dioxide 0.01 to 20
- Ethane 0.01 to 100
- Propane 0.01 to 100
- n-Butane 0.01 to 10
- Isopentane 0.01 to 2
- Hexane isomers 0.01 to 2
- Hydrogen 0.01 to 10
- Nitrogen 0.01 to 100
- Methane 0.01 to 100
- Hydrogen sulfide 0.3 to 30
- Isobutane 0.01 to 10
- Neopentane 0.01 to 2
- n-Pentane 0.01 to 2
- Heptanes+ 0.01 to 1



LPG ANALYSIS

LIQUIFIED PETROLEUM GAS ON GAS CHROMATOGRAPH COMPONENT AND RANGE OF COMPOSITION COVERED COMPONENT MOL %

- Ethane 0- 2 %
- Iso-Butane 0-22%
- Iso-pentane 0-1%
- Cis 2 Butene 0-2%
- 1,3 Butadiene 0-2 %
- Propane 0-60 %
- N-Butane 0-18%
- N-Pentane 0-1%
- Trans 2 Butene 0-2%
- 1-Butene 0-2%



DISSOLVE GAS ANALYSIS IN TRANSFORMER OIL

ANALYSIS ON GAS CHROMATOGRAPH AND OIL EXTRACTION BY DGA MULTIPLE GAS EXTRACTOR

- The individual component gases that may be identified and determined in ppm includes
- Oxygen-O₂
- Carbon monoxide-CO
- Methane-CH₄
- Ethylene-C₂H₄
- Propane-C₃H₈
- Hydrogen-H₂
- Nitrogen-N₂
- Carbon dioxide-CO₂
- Ethane-C₂H₆
- Acetylene-C₂H₂
- Propylene-C₃H₆



TOTAL SULPHUR ANALYSIS

In LPG, LNG, CO₂ and all permanent gases on Sulphur Analyser

PESTICIDES & HEAVY METALS

Analysis of pesticides & heavy metals like Pb, As, Hg, Cd, in food grade Co₂ & Nitrogen.

ANALYSIS OF PERMANENT GASES

- Certifying Impurities in He/N₂/H₂/Argon/Air
- Oxygen
- Carbon dioxide
- Total Hydrocarbon
- Impurities Like :
- Moisture
- Carbon monoxide
- Total Sulphur



PACIFIC LABORATORIES
ISO 9001:2015



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Environment Protection System



Industrial Desulfurization

Semidry DENOX - DESOX Plant for Thermal Power Station Emission 1000 tons / hour

The treatment for DENOX and DESOX of exhausted fume is very complex and require more step of treatments

We offer a SEMIDRY process which produce Ammonium Sulphate & Ammonium Nitrate which are very good fertilizers. Process is based on reactions induced in COLD PLASMA Reactor, and for this no expensive catalyst is require at high temperature of the fumes.

It's operate to fume temperature and at normal pressure and not require to heat or to cool the fume.

The COLD PLASMA Reactor is equipped with our special Cold Plasma Generator that require a very low power.

DATA PROJECT

- Nominal mass flow to treat 1000 Tons/hour
- Max flow of exercise 910,000 m3/h
- Inlet fume temperature max 130 °C
- Inlet NO2 concentration, max 350 mg/m3
- Inlet SO2 concentration, max 800 mg/m3
- Reduction of NO2 and SO2 > 90%
- Noise installed equipments < 75 dB (A) ad 1 m



Small & Compact Size

Multi-channel inlets for better treatment of flue gas

Low Operating & Maintenance cost.

No costly spares required.

Unattended Operation.

Guaranteed performance efficiency based on customer data.



MCAC Modular City Air Cleaner

Pure Natural Air Generate by Nature Itself & Plasma Air Generator.

Operation at ambient temperature

Natural process like rain & lightening

Works on Plasma discharge principle

No combustion process

Cleaning of Air pollutant components

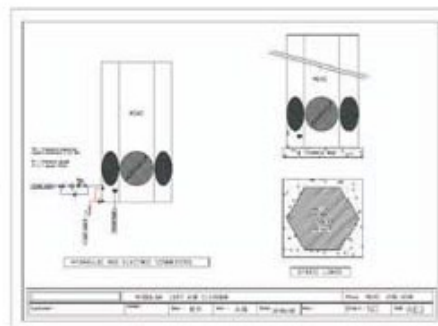
Stand alone, unattended operation

Various capacities modules available from 25 K m3/hr to 1000 K m3/hr

Benefits

- Total dust : Demolition among 30% to 70%
- Metals : Demolition among 40% to 90%
- Ammonia : Demolition among 35% to 65%
- Hydrocarbons : Demolition among 20% to 50%
- Carbon monoxide : Demolition among 40% to 80%
- Nitrogen oxide : Demolition among 40% to 90%
- VOC's : Demolition among 65% to 95%
- Total Bacteria : Demolition among 90% to 100%
- Total Viral : Demolition among 5% to 50%

Depending on air contamination



Front & Bottom view of MCAC



Basic Slanted Model

Mini Fertilizer Plant

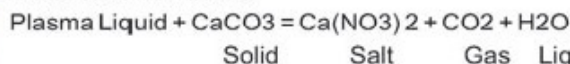


PORTABLE FERTILIZER MAKING PLANT

Now, you can make your fertilizer at your home

Introducing a world first mini fertilizer production plant of calcium nitrate fertilizer for small farmer, large agriculture farms, farming communities, co-operative societies and others.

Raw Material : Calcium or Sodium rich Stone, Land side Stones can be accepted except high contents Silicon stone.



Natural Stones can be taken as Raw materials as contains, Calcium, Sodium and Potassium Nitrate, eco friendly.

Nitric Nitrogen available from 13-16% of Calcium Nitrate.

Contact Us

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