

**Capital RE Energy and
Laboratory Pvt Ltd (CaRE Lab)**
is a fully equipped lab with
analytical and biological testing for

***Food &
Agriculture***



***Water &
Waste water***



Air & Noise



Fuel & Coal



**Capital RE Energy and
Laboratory Pvt Ltd**

TESTING : WATER, FOOD, FUEL AND AIR

All our facilities (Chemical and
Microbiological) are accredited by
NABL ISO/IEC 17025:2005 and certified by
ISO 9001:2008 and **ISO 14001:2004**.



**NABL
ISO /IEC 17025
ACCREDITED LABORATORY**

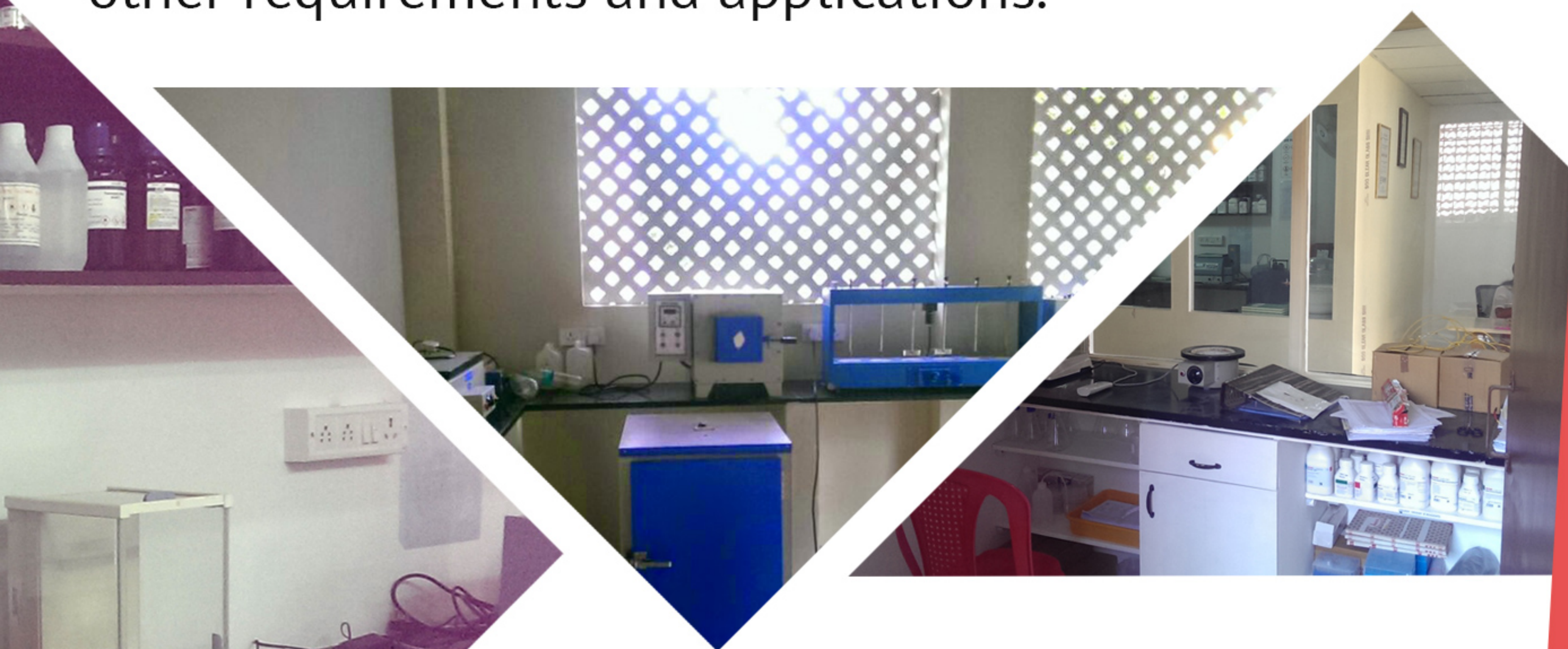
Certificate No: T-3695 & T-3696

Our Laboratories

Chemical Lab

The analytical services laboratories are staffed by trained chemists, technicians and laboratory management with years of industry knowledge and expertise authorized by NABL.

CaRE Lab offers analytical laboratory techniques, laboratory instrumentation and testing methods, providing the critical analysis information clients need for trouble-shooting, research, quality control and many other requirements and applications.



Microbiological Lab

The microbiological services laboratories are staffed by trained microbiologist over 10 years of experience, technicians and laboratory management with years of industry knowledge and expertise authorized by NABL.



Following are the salient feature of microbiology lab:

Segregated spacious lab areas for different testing processes.

Lab are designed to avoid cross contaminations.

Large number of safety hoods (Including biosafety cabinet) and fume hoods are provided.



Air & Noise Lab

CaRE's Air and Noise Lab conduct indoor air quality, Ambient air Quality, microbiology air analysis and Noise level measurement.

We have all equipment and instruments for testing air for Environmental, Microbiology and Industrial Hygiene purpose.

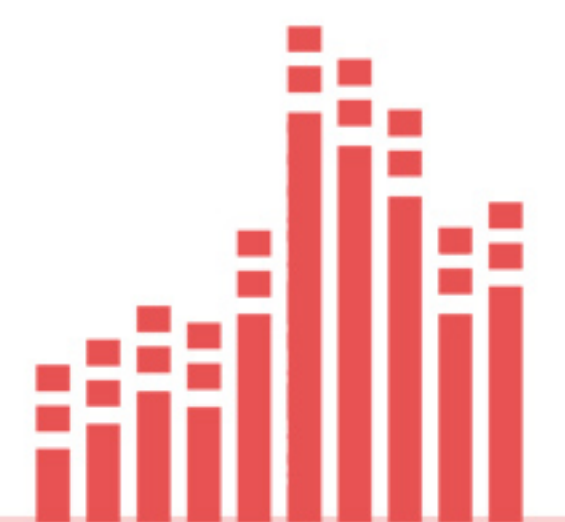
Product Tested

Ambient Air /
Fugitive Emissions



Stack gases/
source emission

Noise level Monitoring



Parameters Tested

- Nitrogen dioxide as NO₂
- Sulphur dioxide (SO₂)
- Total suspended particulate matter
- Respirable suspended particulate matter (PM₁₀)
- Particulate matter
- Velocity & flow
- Carbon dioxide
- Carbon monoxide
- Temperature
- Oxygen
- Noise level measurement (20 to 140 dba)
- Ambient Noise & Source specific noise



Water & Waste Water

Water Quality is critical for many industries like Manufacturing, Oil and Gas, Fisheries, Hospitality, Healthcare, Agriculture, Food and Beverages Processing.

Waters are sampled from a wide variety of sources, but any discharges must comply with discharge consent limits, set by the Ministry of Environment and Forest and Central Pollution Control Board.

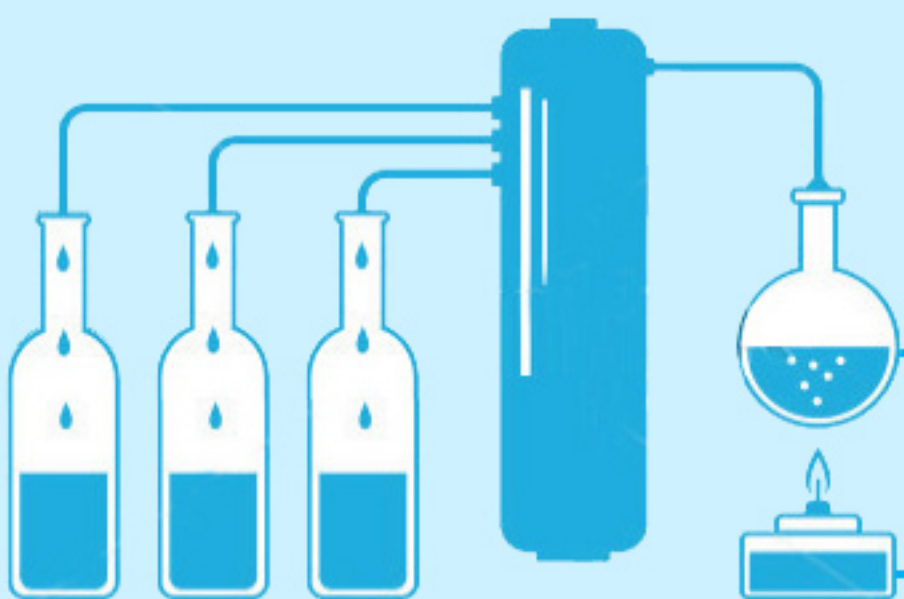
CaRE Lab can provide a wide range of tests for routine monitoring, site characterisation, or contamination to water courses.



Product Tested

- Packaged drinking water - IS : 14543 – 2004
- Natural mineral water - IS : 13428 – 2005
- Surface/ground water - IS : 10500 – 1991
- Water for construction - IS : 456 – 2000
- Feed water/boiler water - IS : 10496 – 1983
- Water for Food processing industry as per - IS: 4251 – 1967
- Water for Storage batteries as per - IS: 1069 – 1993
- Reagent water - IS: 1070 – 1992
- Sewage Treatment Plant (STP) water as per CPCB and TNPCB
- Effluent Treatment Plant (ETP) Water as per CPCB and TNPCB
- Reverse Osmosis (RO) water

Process Water Analysis



Water for Food processing Industry
as per IS 4251- 1967

Reagent water as per IS 1070 - 1992

Water for storage batteries as per IS 1069 - 1993

Water for fermentation industry as per IS - 4700 - 1968

Water for Ice manufacture as per IS 3957 - 1966

Water for Tanning Industry as per IS 4221 - 1967

Cooling tower water for physico-chemical
tests and Legionella.

Food & Agriculture



CaRE Lab supports regulatory authorities in mandatory certification of food and agri products exported from India.

CaRE Lab assists the food industry for nutritional labelling, food safety evaluations, trace analysis and shelf life studies.



Product Tested

- Fruits & vegetables
- Processed vegetables
- Fruit concentrates
- Beverages
- Spices
- Pulses & cereals
- Seeds composition analysis
- Confectionery
- Meat & meat products
- Egg & egg powder
- Milk & milk products

Specialization

- Nutritional facts
- Nutritional labelling – FSSAI labelling requirements
- Microbiological evaluations
- Shelf life studies



Fuels & Oils

CaRE Lab undertakes testing of various types of Petroleum products, Coolants, Solid and Liquid fuels. It is well equipped with sophisticated and versatile analytical instruments for various analytical applications.



Product Tested

Coal Oil

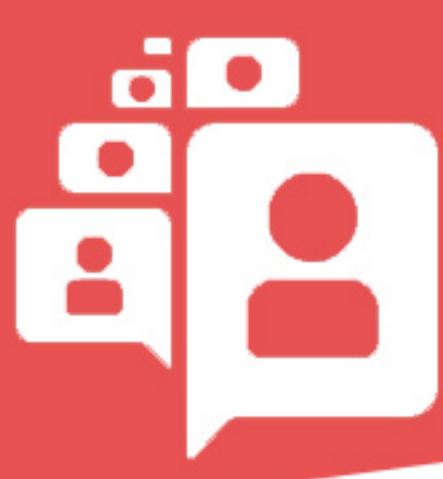
- Density
- Viscosity
- Sulphur
- Viscosity Index
- Total Moisture in Coal



Parameter Tested

Proximate Analysis:
Fuels & Oils Moisture
Fuels & Oils Ash
Fuels & Oils Volatile Matter

Clients



KAMACHI
TMX
TMT BARS
THE SOUL OF STEEL

KAMACHI GROUP



Orchid Chemicals & Pharmaceuticals Ltd.
Shaping A Dream

Orchid Chemicals & Pharmaceuticals Ltd.

prewo

Peevee precision works pvt ltd

OHM



SIMS
RECYCLING
SOLUTIONS

Devi Polymers Private Limited

Devi Polymers Pvt Ltd.

SBO
STEELS LTD

Fourrts



Shasun



Contact Us Laboratory Address

Plot No. 2 / 244, Pattanathamman Koil Street,
Periyapilleri, Thaiyur, Kelambakkam,
Chennai - 603103.



PHONE

+91 44 26792747



MOBILE

+91 9087598811



EMAIL US @
lab@carelab.in

