



K. MANIKANDAN
Senior Chemist QA/QC
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Dubai, UAE

OBJECTIVE

To secure a position which would enable me to broaden my current skills and challenge my various abilities and to add valuable assets to your esteemed organization active member.

PROFESSIONAL EXPERIENCE

Total Experience :7 year 10 months

RNZ International FZE. Dubai

Period: July 2022 till to date

Designation: Senior chemist

CHENNAI TESTING LABORATORY PVT LTD CHENNAI.

Period: Sep 2019 to June 2022

Designation: Senior chemist

BUREAU VERITAS INDIA PVT. LTD.CHENNAI.

Period: Mar.2017 to Aug 2019.

Designation: chemist

ECO CHEM LABORATORY SERVICES PVT LTD CHENNAI.

Period: Sep.2015 to March .2017

Designation: chemist

JOB RESPONSIBILITY: QA/QC

- Review equipment calibration, validation, and maintenance records to Ensure correctly and on time.
- Assist with the identification and development of required procedure and processes related to the quality management.
- Conducting internal audit, Implementation of ISO/IEC 17025:2017 (ENAS, CAB) accreditation, Documentation, Review, Audit clearance and ISO 9001:2015 Quality Management System.
- Investigate the root cause of Non-conformance and implement the appropriate corrective action.
- Prepare and maintain records for review of completeness and accuracy to meet both internal and external expectations.

- Perform Quality Control Testing –like production Raw material, finished material and laboratory sample to follow standard method.
- Method development, validation & verification- standard & in-house methods as per EU, SANTE guidelines.
- Assist in training and supervising new laboratory staff and trainees.
- Maintain the cleanliness of the laboratory and keeping its integrity. Ensure good laboratory practice being followed by the staff.
- Validate the results of PT sample analysis, Prepare Test Report
- Review & Writing Technical SOP's.
- Followed as QMSs and SOPs procedure.
- Maintaining inventory (Chemical, Equipment & Glassware)

CHEMICAL ANALYSIS EXPERIENCE

Petrochemical Analysis & Bitumen:

- Used oil lube oil Parameter like Kinematic Viscosity, Flash Point, Fire Point, Pour Point, Sulfur, Nitration, Sulphated Ash, Acid number, Base Number, Density, Moisture (Acetone method& KF) Ductility, Softening Point, Penetration, Spot Test, Solubility, etc, (ASTM) standard guidelines.

Steel: Chemical Analysis of Heavy Metals with OES and ICP instrument, Mechanical Test of Impact Test, Hardness, Bent, Tensile, etc,

Drinking Water & Wastewater Analysis:

- Working with APHA Drinking water and packaged natural mineral water as per GSO standards.
- **EFFLUENT** wastewater Treatment plant laboratory chemical analysis like (COD, BOD, Oil & Grease TDS, TSS, TS, TKN, NH₃, PO₄, Free Residual Chlorine, Sulphide, Sludge Volume Index etc..ISO and APHA standard guidelines.
- **Soil & Fertilizer & Animal Feed:** Working with AOAC, FCO, guidelines with the parameters like pH, EC, PO₄, TN, Available N, Nitrate Nitrogen, TOC, TOM, %CaCO₃, Moisture, Texture, CEC, Exchangeable (Ca, Mg, K, Na) bulk density, etc.

Environmental AIR Monitoring Analysis:

- Environmental field works like Air monitoring, Stack monitoring, Noise monitoring, Lux monitoring & Anemometer (wind speed calculating) and all equipment handling with analyses of parameters like (SO₂, NO₂, Ammonia, PM₁₀, PM_{2.5}, Nickel, Arsenic, Lead, etc.

Food & Oil Analysis:

- Nutritional parameters like, Moisture, Total Ash, acid Insoluble ash, Protein, Fat, Crude fibre, Carbohydrate, Energy, Heavy metals, etc.
- Edible oils and Fats Edible or Non-Edible fat, and oil seeds for chemical Analysis (AOAC)(FSSAI).

ANALYTICAL TECHNIQUES:

- ICP-OES-9820 – Shimadzu,
- GC-MS Agilent
- SKALAR- SAN⁺⁺ - continuous flow analyser
- FAAS- Perkin Elmer pH, EC Meter.
- UV-Visible Spectrophotometer - Shimadzu
- Kjeldahl Nitrogen Analyzer - (Gerhardt VAP-30s & VAP-50s, VAP-500)
- Flame Photometer, Bomb colorimeter, Sound Level meter,
- KF Titrant Plus, Anton Paar Density meter
- CNS Analyser-Leco CNS928
- FTIR, Kinematic viscometer, Dynamic Viscosity.
- Bomb colorimeter, Sound Level meter,
- PM10/2.5 Sample Envirotech, Respirable Dust Sampler APM 860

ACADEMIC QUALIFICATIONS:

- M.sc -Chemistry studied in Alagappa University -2020-2022
- B.sc -Chemistry Studied in University of Madras 2011-2014
- Higher Diploma in Computer Application (MCC)-2014

EXTRA QUALIFICATIONS:

- ISO 17025 :2017 (Internal Auditor)
- ISO 9001:2015 QMS
- UOM
- Fire Safety-1

PERSONAL SKILLS

- Planning and Coordination
- Attention to Detail
- Analytical and Critical Thinking Multitasking Ability
- Flexible and Adaptable, Complex Problem Solving

PERSONAL DETAILS:

- Name : Manikandan. K
- Date of Birth : 21-03-1994
- Nationality : Indian
- Marital status : Single
- Languages Known : English, Tamil, Hindi, and Malayalam
- Passport Number : N1086055
- Visa Status : Resident

DECLARATION:

I hereby declare that all information given above furnished is correct to the best of my knowledge and honesty.

Place: Abu Dhabi

Yours Sincerely,

Date:

(K. MANIKANDAN)