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MUHAMMED ANAS K.A
CHEMIST

PROFILE SUMMERY

An experienced chemist with 2 years of UAE experience in a Chemical Laboratory. Highly motivated and result-oriented with experience in quality management and Hands-on experience in using analytical instruments such as UV-spectrophotometer, HPLC as well as wet chemistry techniques including digestion, titration, qualitative inorganic & organic analysis, separations, and purification. Gained a wealth of experience in various laboratory settings in several different industries with showcases excellent time management and organizational skills. Works well both individually and in a team setting.

CORE COMPETENCIES

- Testing with International Standards
- Mineral Analysis of Water
- Petroleum and Oil Testing
- Bitumen Products Testing
- Construction Materials Testing
- Testing of Soil and Aggregate Samples
- Testing of Cement and Concrete
- Testing of Zinc and Zinc Alloy Coatings
- Chemical Analysis of Food Products
- Environmental Sample Testing
- Testing of Groundwater, Seawater & Waste Waters
- Analysis of Food Colours and Additives
- Chemical Analysis of Essential Oils
- Nutritional Analysis as per AOAC Method
- Analysis of Fertilizers
- Nitrogen Analysis-Kjeldahl Method

WORK HISTORY

01/2020-Present **Environmental Chemist**
Arab Center for Engineering Studies, Abu Dhabi

- Performed analysis and testing of all types of environmental samples from various sources.
- Testing and analysis of the Food samples according to International standards AOAC, APHA, and ASTM, FSSAI.
- Chemical analysis and testing of Milk and Dairy products in terms of fat, protein, moisture content, total fatty and non-fatty solids, acidity, and salt content.
- Expertise in analysis of fat content using Gerber Method and Acid Hydrolysis Soxhlet Extraction Methods.
- Analyzes the chemical properties of Drinking water, Ground Water, Sewage water, Leachates, Swimming Pool Water, Sea and streams, raw and treated wastewater using wet and instrument methods as per APHA, BSI.
- Determination of Chemical and physical properties of the drinking water such as minerals and pH, TDS, TSS, Electrical Conductivity, Turbidity, odour and colour, etc -APHA Method, Gulf specification standards and WHO standards.
- Performed analysis of all types of environmental samples to understand the fate and behaviour of chemicals in the environment and evaluate their effects and risks to human health and other organisms. (Water, Soil, Sediments, Sludge).
- Performed analysis of fertilizer samples to evaluate the chemical composition using APHA, ASTM and AOAC standards.
- Expertise in inorganic section analyzing Ground water, soil, Concrete, Cement and other construction material samples using instrumental and traditional techniques as appropriate (ASTM, BSI, BSEN).
- Performed zinc coating analysis for galvanized steel materials.

- Expertise in performing and evaluating migration testing on Food Contact Material (FCM) as per UNE-EN 1186:2002 standards under GSO and FDA regulations.
- Performed chemical and physical properties of oil and petroleum products.
- Testing of Bitumen and bituminous products.
- Performing on-site environmental sample collection and testing as per standard methods and schedule.
- Assist in Preparing the Standard Operating Procedures (SOPs), Quality Assurance/Quality Control (QA/QC) review, update, planning, and implementation according to the guidelines ISO 17025 protocols.
- Maintain quality records in the laboratory as per ISO 17025 and adhere to a comprehensive ISO 17025 quality system.
- Conduct and schedule lab inspections looking for expired chemicals and equipments, proper labelling and overall safety on occasion.
- Attended internal and external audits. Emirates National Accreditation System (ENAS), Abu Dhabi Quality and Conformity Council (ADQCC) and Emirates International Accreditation Centre (EIAC) Audits.
- Development and Management of Chemical Inventory List (CIL).
- Handling and storage all chemicals as per material safety data sheet (MSDS)
- Write technical papers and reports according to the test results.

05/2016-06/2019 QA&QC Chemist

AVT Natural Products Private Limited, Kerala

- Proficient in qualitative and quantitative testing of spice oleoresins using analytical and traditional methods in accordance with in-house and international standard methods.-Black and white pepper, Capsicum(paprika colour & capsaicin),Marigold, Cinnamon, Cardamom, Celery, Turmeric, Tamarind, Nutmeg, Ginger, Garlic and Clove etc.
- Expertise in physical and chemical testing of decaffeinated black tea production from raw material evaluation to the final product using analytical instruments.
- Proficient in analysis using instrument including calibration and troubleshooting. UV Spectrophotometer, KF Titrator, Tintometer, Buchi, viscometer and refractometer.
- Knowledge in using HPLC and GC instruments.
- Expertise in working using ISO 22000, HACCP, systems, and Food safety Protocols in Export Oriented Spice Industry
- Performed qualitative and quantitative laboratory tests and analysis as per the standard method ISO, ASTA, AOAC, FDA.
- Assisted research and development team to develop instant tea production.

05/2015-04/2016 Chemist

Indo German Carbons Limited, Kerala

- Finding out the Carbon Tetrachloride (CTC) value for activated carbon of different grades.
- Particle size distribution (PSD).
- Determination of Ash, Apparent Density, pH, Butane activity, Iodine number and Volatile matter of activated carbon.
- Production of silver-impregnated activated carbon.
- Analysis of feed water (pH, Hardness, T.D.S).

EDUCATION

Bachelor of Science in Petrochemicals Al-Ameen College of Arts & Science, MG University, Kerala, India	06-2012-03-2015
Higher Secondary School of Examination – Science G.H.S.S Chengamand, Kerala, India	06-2010-03-2012

CERTIFICATIONS

HACCP Level 4 Certification-Food Safety Solutions Internationals (Accredited under Quality Council of India-QCI).

INSTRUMENT KNOWLEDGE AND SKILLS

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| • UV Spectrophotometer | • Inorganic Analysis |
| • Viscometer | • Analytical Chemistry |
| • Buchi Kjeldahl Digester and Distiller | • Process Chemistry |
| • Karl Fischer Titrator | • Lab Equipment Operation & Maintenance |
| • Refractometer | • Maths knowledge |
| • Water activity and PH Meter | • Time management |
| • Turbidity meter and Lovibond Tintometer | • Microsoft Office |

PERSONAL DETAILS

Date of Birth : 30th March 1995
Gender : Male
Marital Status : Single
Nationality : Indian
Passport No : L 1495991
Visa Status : Employment Visa
Language Known : English, Malayalam, Hindi, English

DECLARATION

I do hereby declare that the information furnished above is true to the best of my knowledge.