

Application Lab Chemist: Job Description, Duties and Requirements

Application chemist shall work in application and Application lab in REDA oilfield production facility in 2ns industrial city, Dammam City. He is requested to use his knowledge of organic, physical and electrochemical chemistry to investigate products applications in oil and gas oilfield market. Application chemist shall work in the Products' Application Laboratory conducting tests on the performance of different oilfield chemicals and formulas. He should have excellent note taking, observation, organization, and communication skills.

Required Education

College's degree in chemistry (or equivalent major) or higher with a high GPA (Bachelor's degree in chemistry is preferred)

Applicants should have at least taken one course in the following topics:

- Organic chemistry
- Inorganic chemistry
- Physical chemistry
- Analytical Chemistry

Knowledge on Instrumental Chemistry and Petroleum Chemistry will be considered during evaluation.

Required Work Experience

1+ year lab work (Summer training for Saudis will be considered a full year). Applicants with experience in Oilfield labs will have high priority.

Job Description

Application chemist will collaborate with the Technical Manager to utilize chemical compounds provided by the chemicals' suppliers to create new products and formulas that fulfill the requirements of the end users under the process conditions provided by them. He is requested to prepare the experiments, chemical solutions, and run the apparatuses required to examine the performance of different formulas under the process conditions and test their compatibility with other chemicals used in the same process.

Job Duties

- Application chemist will work -under the supervision of the Technical manager- as part of the Application Lab team. He will prepare the chemical reagents, solutions and equipment's and test the company's current products utilizing the Application lab current means of testing to find out if they meet the customer requirements and whether they can be improved. He should report the results to the Technical manager or to other members of the department or team.
- Application chemist must also document every project carefully. During the research and testing phases, he needs to accurately record all variables, such as chemical type, amount, compound components, chemical temperature and test duration. He must also adhere to safety standards during laboratory testing, such as wearing protective clothing and taking additional precautions as needed.

- Application chemist is requested to make field visits to run experiments on site. A field visit might take up to 10 full days where the transportation, accommodation and pocket money in the remote site will be provided by the company.
- Application chemist's duties will also include maintaining records of the chemicals available in the lab and are for the testing and maintain proper amount of them. He will be responsible for the purchase process of the new lab grade chemicals and glassware. However, the purchase of new equipment's will be under the supervision of the lab manager.
- Application chemist's duties will also include running the lab equipment's periodical calibration and maintenance and generating corresponding reports to meet the ISO/ QA standards.