

Laboratory Operator - Munitions Development 1

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Company: HALCON

Location: Abu Dhabi

Category: healthcare-practitioners-and-technical

About HALCON

HALCON is a regional and international leader that offers next-generation Weapons Systems and Robotics Expertise to meet the challenges of a rapidly changing world. HALCON has developed in-house expertise across the entire value chain for gravity-release bomb guidance systems. This includes design, development, testing, manufacturing and assembly. Our end-to-end capabilities ensure exceptional quality and competitive pricing. As well, we are faster and more flexible in meeting customer requirements.

Job Summary:

This position of Laboratory Technician in propellant and thermal insulations encompasses a spectrum of responsibilities, from testing raw materials to evaluating post-material performance, ensuring rigorous adherence to work instructions and meeting the exacting requirements of rocket motor specifications. The incumbent is tasked with establishing and optimizing testing protocols, meticulously monitoring quality standards, conducting thorough in-process inspections, promptly addressing any technical issues that arise, and upholding the cleanliness and maintenance of laboratory instruments. These duties are all undertaken with the overarching objectives of enhancing product quality, safeguarding operational safety, and optimizing output efficiency.

Key Accountabilities

Read and interpret Work instruction/Procedures of each process of testing ablation materials of rocket motors

Set up each job by arranging and setting up all equipment/instrument.

Ensure incoming product/raw materials quantity against each product/raw materials specifications and quality of the product/raw materials is as per the work instructions

Run equipment/instrument process by preparing and loading the parts in to appropriate jigs/fixture

Select and install correct program against the process by adjusting machine controls as per the product requirement

Set up and calibrate testing equipment and instrumentation.

Conduct regular inspections of materials and processes to ensure adherence to standards.

Implement quality control measures and protocols throughout the testing process.

Ensure all machines and equipment are in working condition

Follow preventive measures of all machines and equipment as per schedule

Identify and resolve equipment malfunctions or procedural challenges to maintain testing continuity

Ensure all safety guidelines are strictly adhered to, wearing all PPEs as required

Collaborate with team members to optimize testing protocols and procedures

Collaborate with engineers and scientists to analyse test data and draw meaningful conclusions.

Maintain the latest version of all documentation as per requirements. Maintain all record as per process requirements.

Maintain accurate records of testing procedures, results, and observations

Prepare detailed reports summarizing test findings and analysis and maintain organized records of testing documentation for future reference and audit purposes

Requirements:

General Competencies

Level

Specific job competencies

Level

Planning and organizing

Intermediate

Laboratory Testing Techniques

Advanced

Attention to detail

Intermediate

Knowledge of laboratory quality control procedures

Advanced

Analytical thinking

Intermediate

Knowledge of documentation and conduct test reports

Advanced

Customer focus

Intermediate

Knowledge of troubleshooting and maintaining lab equipment

Advanced

Communicating & influencing

Advanced

Data Analysis

Advanced

Experience

Minimum: 2 years' of relevant experience ablation materials

Minimum: High School Diploma in chemistry, materials, etc. Or equivalent

Preferred: 2 year experience in rocket motor ablation materials

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