

# Quality Control & Testing Engineer: Quality Control & Testing Engineer IV

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Analyzes chemical, biological or microbiological products, raw materials, in-process materials, release test samples or stability samples in support of the company's quality program. Interprets and evaluates the analyses in terms of accuracy and precision compared against established specifications and recommends and implements corrective action where necessary. Develops, validates and implements controlled environment methods. Applies existing techniques and procedures with recommendations and implementation of modification for improved efficiency, or devises and develops new analytical methods and techniques. Performs qualitative tests or quantitative assays on samples using techniques that vary from use of standard analytical equipment to highly modern and automated instrumentation. May also be involved in establishing requirements for the transfer of methodology from R&D.

## **Knowledge**

Applies extensive technical expertise and has full knowledge of other related disciplines.

## **Problem Solving**

Develops technical solutions to complex problems which require the regular use of ingenuity and creativity.

## **Discretion/Latitude**

Work is performed without appreciable direction. Exercises considerable latitude in determining technical objectives of assignment. Completed work is reviewed from a relatively long-term perspective, for desired results.

## **Impact**

Guides the successful completion of major programs and may function in a project leadership role. Erroneous decisions or recommendations would typically result in failure to achieve major organizational objectives.

## **Liaison**

Represents the organization as the prime technical contact on contracts and projects. Interacts with senior external personnel on significant technical matters often requiring coordination between organizations.

## **Work Products (Examples may include but are not limited to)**

Performs Failure Analysis (FA), Construction Analysis (CA), Chemical Analysis and conducts re-verification investigations utilizing the necessary electrical tests and measurements, plus many of the advanced analytical techniques of physics, metallurgy, and chemistry. Prepares reports including causes of defects and makes recommendations to appropriate sections for corrective or preventative action to secure improvement in product quality and reliability. May be required to perform special assignments and/or supervise and lend technical direction to subordinate quality/reliability personnel. may perform other assignments which are related to the work of the Product Assurance function.

## **Minimum Education and Experience**

9 - 13 years with BS; 7 - 11 years with MS; 4 - 8 years with PhD; 4 - 8 years with JD; 0 - 3 years with MD; 0 - 3 years with DVM