

# Quality Control & Testing Engineer: Quality Control & Testing Engineer III

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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**

Complete understanding and wide application of technical principle, theories and concepts in the field. General knowledge of other related disciplines.

## **Problem Solving**

Provides technical solutions to a wide range of difficult problems. Solutions are imaginative, thorough, practicable and consistent with organization objectives.

## **Discretion/Latitude**

Works under only general direction. Independently determines and develops approach to solutions. Work is reviewed upon completion for adequacy in meeting objectives.

## **Impact**

Contributes to the completion of specific programs and projects. Failure to obtain results or erroneous decisions or recommendations would typically result in serious program delays and considerable expenditure of resources.

## **Liaison**

Frequent inter-organizational and outside customer contacts. Represents the organization in providing solutions to difficult technical issues associated with specific projects.

## **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.

## **Minimum Education and Experience**

5 - 8 years with BS; 3 - 6 years with MS; 0 - 3 years with PhD; 0 - 3 years with JD