

BRANDON AXEL HERNANDEZ TRIGUEROS

QUALITY ENGINEER | MATERIALS TESTING ENGINEER

I am an experienced professional in the field of quality and materials testing. Throughout my career, I have developed a solid knowledge in quality management systems, core tools and chemical and mechanical testing of materials. I adapt easily to all types of sectors and I am passionate about new challenges. I am open to new opportunities that allow me to continue my growth and professional development.

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| Hidalgo, México

EDUCATION

Automation Technician, IPN (2016)

Metallurgy and Materials Engineering , IPN (2021)

PROFESSIONAL SKILLS

- Quality tools
- Core tools
- IATF 16949
- ISO 9001:2015
- ASTM E8
- Industrial Ultrasound (Jr)
- KPI management
- Project Management
- Data analysis
- ASTM E3
- ASTM E10

ACHIEVEMENTS

- Development and implementation of the PPAP which allowed the company (Carviflon S.A. de C.V.) to start working with international clients while guaranteeing the quality of its components.
- Creation of the industrial safety area (Carviflon S.A. de C.V.), which had an impact on the reduction of accidents and awareness of the use of PPE for the activity performance .

COURSES

- Data analysis (2023)
- Project management (2024)
- ISO 9001:2015

SOFT SKILLS

- Leadership
- Decision making
- Adaptability
- Creativity
- Sense of urgency
- Problem solving
- Results oriented

LANGUAGES

- Native spanish
- Advanced english

PROFESSIONAL EXPERIENCE

Metallurgical Engineer

BOCAR GROUP | 2023 - 2024

- Characterization of materials by optical microscopy, x-ray fluorescence spectrometry and SEM.
- Validation of mechanical properties for finished products according to OEM specification.
- Material failure analysis and technical support for national and international plants.
- Defect and root cause identification.
- Documentation of procedures for metallurgical testing and equipment operation.
- Data analysis for decision making.

Quality Engineer

Carviflon S.A. de C.V. | 2022 - 2023

- Quality assurance of produced components through visual, dimensional, mechanical and chemical evaluations.
- Development and implementation of quality tools (Control plan, AMEF, PPAP, Ishikawa Diagram, check sheets, etc).
- Coordination of training, process standardization and technical support in audits.
- Final product release and raw material inspection.
- Follow up on customer complaints or claims.

Materials Technician

Carviflon S.A. de C.V. | 2021-2021

- Dimensional inspection of raw material and final parts, as well as issuance of quality certificates.
- Updating of procedures and corresponding documentation of the quality management system.
- Development of risk matrices for all areas and organization of training related to QMS and industrial safety.
- Development of instruction sheets for the operational area

Research Laboratory Assistant

ESIQIE-IPN | 2019 - 2020

- Analysis of metal recovery through solutions of mineral concentrates.
- Development and performance of hydrometallurgical tests.
- Determination of precious metals by atomic absorption

SOFTWARE

- Office tools / Autocad / Visio

OTHER INFORMATION OF INTEREST

- Willing to change residence / Willing to travel