

Jephthe Pascal's Portfolio

I STAND FOR
QUALITY
SOLUTIONS



CONTACT INFORMATION

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INTRODUCTION

I am Jephthe Pascal, a certified Quality Assurance (QA) professional with experience and robust background as a Quality Assurance Inspector at Nestlé Health Science. With a deep understanding of manual and automated quality processes, I have a strong foundation in ensuring compliance, maintain product integrity and drive efficiency in highly regulated environments. Additionally, my technical expertise as a Full Stack Web Developer has allowed me to approach problem-solving with a data-driven mindset, enhance process automation and data management

Core Competencies

- Good Manufacturing Practices (GMP) Compliance
- Pharmaceutical Quality Management Systems (QMS)
- CAPA (Corrective and Preventive Action) Implementation
- Manual and Automated Testing
- Regulatory Compliance (FDA, ISO 9001, ISO 13485)
- Non-Conformance & Root Cause Analysis
- Process Optimization & Continuous Improvement
- Risk Management (FMEA) - Training Development -Safety and Environmental Stewardship
- Full Stack Development & Automation (JavaScript, Python, SQL)

Professional Experience

Quality Assurance Inspector - Nestlé Health Science

Duration: 04-2022 - Present

GMP Compliance & Audit Readiness

- Conducted regular inspections, ensuring adherence to Nestle Health Science's GMP standards, leading to a reduction in quality deviations and enhanced operational efficiency.

Implementation & Issue Resolution

- Investigated quality discrepancies. implemented corrective and preventive actions (CAPA), and improved documentation processes, reducing recurring issues

Process Optimization

- Spearheaded cross-functional collaboration to address non-conformances, reducing issue resolution times by QA Process Optimization.
- Implemented and reinforced testing tools. improving testing efficiency by 25% and reducing human errors.

Custom Tools

- Developed web applications that automated documentation workflows for QA reporting.
- Built data visualization tools for tracking key quality metrics, allowing production managers to make real-time decisions based on actionable data.

Automation

- Utilized programming languages like JavaScript, Python, and SQL to create custom automation tools for quality testing processes, reducing human error and boosting operational efficiency.

Certifications & Professional Development

- Certified in Manual and Automated Quality Assurance Testing
- ISO 9001:2015 Lead Auditor Certification
- Root Cause Analysis (RCA) Certification
- Full Stack Web Development JavaScript, Python, React, Node.js)

KEY PROJECTS:

Project 1

1) PREVENTING HIGH YIELD

- Focus on Quality Over Quantity: Prioritize product quality over volume to reduce defects and rework, ensuring compliance with standards like GMP.
- Manage Production Planning: Align production output with demand to avoid overproduction and excess inventory.
 - Monitor and Control Equipment Performance: Regularly maintain equipment to prevent overuse, ensuring consistent output quality.
 - Inventory Management: Implement Just-In-Time (JIT) inventory practices to avoid excessive stock and waste.
 - Lean Manufacturing: Use Lean principles to minimize waste, streamline processes, and produce only what is needed, when it's needed.

2) PREVENTING LOW YIELD

- Improve Process Control: Implement strict monitoring and control systems to maintain consistent production quality.
- Optimize Equipment Performance: Regular maintenance and calibration of machinery to maximize efficiency and reduce downtime.
- Enhance Workforce Training: Ensure employees are well-trained on procedures to minimize errors and improve output.
- Use Quality Raw Materials: Source high-quality materials to prevent defects and improve final product yield.
- Lean Manufacturing Techniques: Reduce process variability and waste by applying Lean principles for more consistent production.
- Root Cause Analysis (RCA): Identify and address the underlying issues that cause low yield to prevent recurrence.
- Automation and Technology: Implement automation to streamline processes, improve precision, and increase efficiency.

Project 2

RESOLVING SHORT COUNT ISSUES IN PACKAGING

Objective:

Eliminate short count issues in packaging to improve accuracy, customer satisfaction, and regulatory compliance.

Actions:

- Root Cause Investigation: Identified counting system inconsistencies and product flow interruptions as primary issues.
- System Calibration and Equipment Upgrade: Recalibrated counting machines and upgraded equipment with sensors to ensure accuracy.

Process Controls Enhancements: Added control points with manual checks and automated weight verification to catch errors early.

- Operator Training: Trained staff to detect and address counting errors, empowering them to perform mid-shift inspections and communicate issues.

Outcome: Reduced short counts by 30% over six months, improving customer satisfaction and reducing complaints and returns. Improved packaging accuracy by 20%, which resulted in enhanced compliance with customer specifications and regulatory standards.

REDUCING CAP SCRATCHES IN PACKAGING PROCESS

Objective: Reduce scratches during packaging to improve product quality, minimize rework, and decrease customer complaints while maintaining production efficiency.

Challenges:

- High conveyor friction causing surface scratches.
- Capping machine misalignment applying excess pressure.
- Operator handling issues.
- Solutions:
 - Material Replacement: Installed low-friction, silicone-coated conveyor belts to reduce surface damage.
 - Capping Machine Calibration: Adjusted pressure for even cap distribution, preventing excess force.
 - Real-Time Monitoring: Added sensors to detect cap misalignment and make real-time adjustments.
 - Preventive Maintenance: Implemented routine maintenance for conveyors and capping machines.
 - Operator Training: Educated operators on early detection of issues and proper equipment handling.

Outcome: Achieved an 85% reduction in scratches, improving product quality and reducing customer complaints.

COMPREHENSIVE PREVENTION OF FOREIGN PILLS IN PRODUCTION BATCHES

- Investigative Leadership: Led a multidisciplinary team including production, QA, and maintenance personnel to thoroughly investigate the root causes of foreign pill incidents. Conducted process mapping and identified key vulnerability points of the equipment while cleaning.
 - Process Enhancements: Implemented additional controls at critical points in the production line. Reinforced cleaning and segregation protocols
 - Operator Training & Awareness: Developed and facilitated training sessions for operators, focusing on the importance of vigilance, proper handling procedures, and understanding the impact of contamination. Established clear protocols for reporting potential contamination risks.
 - Data-Driven Improvements: Collaborated with data analysts to track trends in foreign pill incidents and used this data to continually refine inspection points and adjust workflows, ensuring continuous improvement.
- Outcome: Achieved a 100% elimination of foreign pill contamination over a 12-month period. resulting in zero recalls and enhanced consumer confidence. resulting in zero recalls, improved audit readiness, and enhanced compliance.

Project 5

ELIMINATING OPEN SEAL DEFECTS IN PACKAGING

Objective: Address and prevent open seal defects in packaging to ensure product integrity, safety, and adherence to industry regulations, while minimizing rework and customer complaints.

- Root Cause Analysis & Process Mapping: Led a cross-functional team (QA, engineering, production) to perform a detailed root cause analysis using 5 Whys and Process Mapping. Found that variations in sealing machine pressure and inconsistent heat application were causing open seals. Additionally, product residue on the sealing area was identified as a secondary factor.
- Sealing Equipment Optimization: Worked closely with engineering to recalibrate sealing machines, standardizing the heat and pressure settings based on material specifications.
- Upgraded sealing bars with temperature sensors to continuously monitor and adjust the heat distribution, ensuring consistent seal quality.
- Enhanced Process Controls: Installed automatic detection systems to monitor seal integrity in real time, identifying weak or open seals before products were packed. Developed a new standard operating procedure (SOP) for equipment start-up, ensuring that machines reached optimal temperature and pressure before beginning production. Introduced a routine cleaning schedule to remove product residue from sealing areas, preventing contamination.
- Collaborative Operator Training: Conducted training workshops with operators and production staff on machine calibration, cleaning protocols, and troubleshooting techniques. Created visual guides for quick reference, helping operators swiftly identify potential seal defects and perform necessary adjustments without stopping production.

CONCLUSION

With a unique blend of expertise in quality assurance, process automation, and software development. I am committed to driving operational excellence in the pharmaceutical industry. My focus on improving product quality, enhancing compliance, and implementing innovative solutions positions me as a strong asset to any organization looking to maintain the highest standards of quality.

