

**ESTABLISHMENT OF GOOD MANUFACTURING PRACTICES
QUALITY ASSURANCE IN A DAIRY COMPANY**



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ABSTRACT

Good Manufacturing Practice (GMP) is an essential standard in ensuring the safety and quality of food products, particularly in the dairy industry. The objective of this research was to assess the current manufacturing practices at The Coconut Triangle Milk Producers' Co-operative Union Ltd. and identify gaps in compliance with GMP standards. The study further aimed to develop and implement strategies to achieve GMP certification, thus enhancing production quality and ensuring regulatory compliance. Conducted from March 1 to June 30, 2024, with 97 participants from the production and quality control departments, data were collected through questionnaires, quality control records, laboratory testing records, cleaning records, and preventive maintenance documentation. The study identified significant deficiencies, including inadequate sanitation practices, insufficient documentation, and a lack of structured employee training in GMP standards. Despite these gaps, employees responded positively to the newly implemented GMP practices, which resulted in improved product quality, stricter quality control, and enhanced cleanliness and maintenance standards. The study concluded that management commitment, employee training, proper documentation, and continuous monitoring are critical for obtaining GMP certification. The successful implementation of GMP at the dairy facility not only met regulatory requirements but also improved product reliability and operational efficiency. As a recommendation, other dairy firms aiming for GMP accreditation should focus on continuous training, system improvements, and proactive monitoring to ensure sustained compliance and product excellence.

Keywords: Compliance, Dairy industry, Documentation, Employee training, GMP certification, Good Manufacturing Practice (GMP), Production quality, Quality control, Regulatory requirements, Sanitation

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