

# Determination of product safety criterion

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## Abstract

The main criteria of product safety in food industry are reviewed as well as factors that could influence to these criteria.

*Keywords:* product, safety, quality, ISO, HACCP.

## 1 Introduction

The aim of food industry is achievement of results that are foreseen to be achieved within planned time period in condition that manufactured product complies for all safety requirements.

## 2 The task

Provision manufactured product to users in accordance with agreements and market demand as well as ensuring safety standard norms in accordance with requirements of quality system ISO 22000.

## 3 Overview

To be able to define product quality there is arising necessity to formulate safety requirements:

- Requirements of ensuring manufacturing process [5].
- Determination of the area of utilisation of the latest technologies [4].
- Determination of standardisation criteria in accordance with quality system ISO [1].
- Determination of identification criteria in accordance with safety system on food manufacturing of HACCP (hazard analysis and critical control points) [2].

There is necessary to point out that for securing of requirements in the safety area there are arising necessity in utilization of time, material and human resources which are limited by abilities of product manufacturer [3].

## 4 Solution

A necessity of information collection and performing of detailed analysis of requirements determination to manufacturing process, possibility of introduction of the latest technologies and determination of product quality and safety compliance is appearing within this work frames.

## References

- [1] [www.iso.org](http://www.iso.org)
- [2] [www.food.gov.uk](http://www.food.gov.uk)
- [3] Гусаков В, Ильина З, Бельский В 2008 *Продовольственная безопасность. Термины и понятия: энциклопедический справочник*, Минск

## 5 Target

The aim of this work is complex system development of safety product:

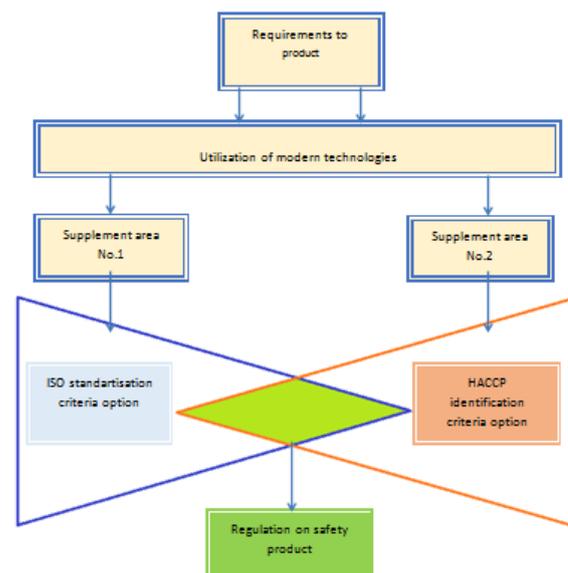


Figure 1 Detailed figure of developing product safety regulation

## 6 Conclusions

This detailed figure showing that product safety is achieved in the area of the crossing of two systems activities – ISO quality system and HACCP safety system, in condition of formulated requirements to product as well as introduction and utilisation of modern innovative technologies in the manufacturing of certain type of product.

- [4] Innovation in the food industry and service. *The 1<sup>st</sup> International scientifically and practical conference. Russia, Krasnodar 2014*
- [5] Kalyagin A 2017 *Mechanisms of accompaniment of product in the conditions of continuous suggestion on its improvement. Master's Degree work Latvia, Riga, ISMA*