ABSTRACT

Every person is concussion about the food which he's taken. But in the case of babies this concussion's increases. Microorganisms harm food items in the form of colonies or clusters and individually as well. This research used for checked the presence of pathogenic organisms which affect food items in form of clusters. Sampling method is used to check the presence of organisms in food, which is Repetitive Sampling Plan under the different distributions like Negative Binomial (NB), Poisson logarithmic (Plog) and Zero inflated Poisson (ZIP) distributions. The different values of Acceptable Quality Level (AQL) and Rejectable Quality Level (RQL)or Limiting Quality Level(LQL) are used for the product inspection. The design constraints of the offered plan are planned by using the two point approach such that consumer and producer risk. The benefit of the offered plan is shown by comparing with the existing plan in terms of the average sample number and OC curves.