

ABSTRACT

The Total Quality Management plays an important role in maintaining the quality. To compete with today's manufacturing environment more and more companies are adopting TQM philosophies and applying them in their production processes. To achieve this purpose, an analysis in Haleeb Foods Limited has been conducted through control charts and process capability studies to check whether machine is producing the product according to the specification limit or not and by focusing on the causes of poor performance in the system they can be identified and rectified .

The acceptance sampling also applied to specify that how many measurements are accepted or rejected. A good acceptance-sampling plan not only reduces the cost of construction inspection, but also increases the accuracy of accepted decisions. Focusing on acceptance sampling plan work done on single sampling plans and found the following results as upon (1) The operating characteristic (OC) curve, (2) acceptance quality level(AQL),(3)the average outgoing quality limit (AOQL), (4)the average total inspection (ATI) curve, (5)producer risk(α), (6) consumer risk(β), and(7) lot tolerance percent defective (LTPD) at ($P_{0.95}$ ' $P_{0.10}$).

The results and conclusions show that quality is always towards an important trend. Technology for production is no more the superiority as it is access to everyone. Investigation and removal of variations are key to process improvement. In Haleeb Foods Limited it is suggested that they should take single sampling plan as $N=2700$, $n=30$ and $c=1$ for better results.