QUALITATIVE & QUANTITATIVE ANALYSIS OF QUALITY DATA
APPLICABLE TO POLYPROPYLENE WOVEN SACKS

BY

BAMUNAWITA GAMAGE WIMAL NAYANANANDANA YATAWARA

THESIS SUBMITTED IN PARTIAL FULFILMENT OF THE REQUIREMENTS
FOR THE DEGREE OF MASTER OF SCIENCE OF
THE FACULTY OF APPLIED SCIENCE
UNIVERSITY OF SRI JAYAWARDENAPURA
NUGEGODA
SRI LANKA

91422
JULY 1982

TITLE: "Quantitative and Qualitative Analysis of
           Quality Data Applicable to
           Polypropylene Woven Sacks"

BY

B   G   W   N   YATAWARA

"ABSTRACT"

The thesis is concerned with a Statistical Study of the
quality of polypropylene woven sacks, manufactured at
Mikechris Industries Limited, Liyanagemulla, Seeduwa,
confirming to internationally accepted standards.

The above statistical study has two main aims
(i) to construct quality control charts:
(ii) to prepare optimum sampling plans.

In the construction of quality control charts, mean and
range charts were employed.

The other aspect of determining the optimum sampling size
is established by making use of the Military Standards,
and Dodge and Romig L T P D System. Further past information
on the behaviour of the process and economy are made
use of to develop Bayesian Sampling Schemes. Tables giving
the critical values and the optimum sample size as applicable
to the above product covering appropriate ranges of values
of various parameters have been included in the thesis.

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