

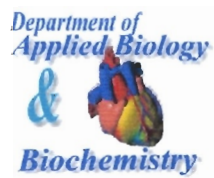
**SPECIAL COLLECTION
LIBRARY USE ONLY**



**National University
of Science & Technology**



FACULTY OF APPLIED SCIENCES



DEPARTMENT OF APPLIED BIOLOGY AND BIOCHEMISTRY

PROJECT TITLE

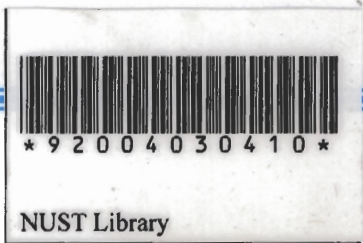
PREVALENCE AND OCCURRENCE OF BACTERIAL CONTAMINANTS IN
STREET VENDED MEATS FROM MAKOKOBA

DONE BY

MAKUMBE HILLARY Z

LIBRARY NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY P.O. BOX 346 BULAWAYO ZIMBABWE		
DATE	ACCESSION	CLASS
14/04/08	SC1915	

Project completed and submitted in partial fulfilment of the requirements of the Bachelor of Science (Honours) Degree Programme in Applied Biology and Biochemistry for the National University of Science and Technology.



ABSTRACT

Meat samples of three different varieties, beef, pork and tripe (offals) were bought from Makokoba, Shoprite and OK on six different weeks. Bacterial counts of these meats were obtained using the pour plate method. Specific bacteria, *Escherichia coli*, *Staphylococcus aureus*, *Vibrio cholerae* and *Salmonella spp.* were also investigated from these meats. The bacterial counts from Makokoba were found to be significantly higher than those from Shoprite and OK supermarkets after calculation using the Student t-test at a 5% level of significance. Some bacterial counts for samples from Makokoba were found to be above the stipulated limits by the Public Health Laboratory Service. There was also a high occurrence of *E. coli*, *S. aureus* and *Salmonella* from samples obtained from Makokoba than samples bought from Shoprite and OK.