



NORTH-WEST UNIVERSITY[®]
YUNIBESITI YA BOKONE-BOPHIRIMA
NOORDWES-UNIVERSITEIT

BACHELOR OF SCIENCE

in

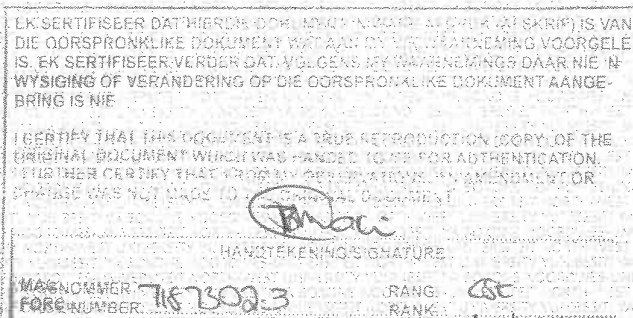
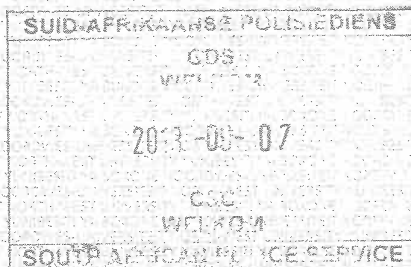
PHYSICAL AND CHEMICAL SCIENCES

awarded to

HENDRIK CORNELIS BRANKEN

WITH DISTINCTION

after complying with all the requirements



26 February 2013

Dr T Eloff
Vice-Chancellor

Prof NT Mosia
Registrar

University number: 22095306

Serial number: 147940