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TITLE

***HPLC METHOD DEVELOPMENT FOR DETERMINATION
OF CHLORAMPHENICOL AND ITS DEGRADATIVE
PRODUCTS IN PEDICHLOR AEROSOL***

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**A DISSERTATION SUBMITTED IN PARTIAL FULFILLMENT OF REQUIREMENTS
FOR:**

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ABSTRACT

Due to market opportunities CAPS (PVT) found it necessary to develop the veterinary aerosol (Pedichlor) which would both meet customer's expectations and quality levels.

Though pedichlor has been manufactured before, CAPS (PVT)'s objective this time was to have a reformulated version of pedichlor which would constitute an ozone friendly propellant. Such modifications meant that interference on intact drug were also changed making it difficult to assume validity of the previous analytic methods.

As such, it was critical to develop a stability indicating method. A method with the capacity to simultaneously quantitate chloramphenicol in the presence of the degradative products and matrix substance.

A high performance liquid chromatograph technique was employed to generate such method. The choice of this technique was so due to the flexibility of HPLC.

Validation of the method was a pointer to the success of HPLC to analyse pedichlor during its development stage. The method of analysis plays an important role since quality claims depends heavily on the reliability of the method.