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## **Declaration**

**Statement under O. Ph.D. 8/(iii) of M.S. University of Baroda, Vadodara, India.**

The work presented in this thesis has been carried out by me under the guidance of Prof. Anuradha Nerurkar, Department of Microbiology and Biotechnology Centre, Faculty of Science, The M. S. University of Baroda, Vadodara, Gujarat, India. The data reported herein is original and has been derived from studies undertaken by me.

Place: **Vadodara**

**Vesuna Ashtaad Porusasp**

Date: 17-02-2022

Candidate

This is to certify that the above declaration is true.

Place: **Vadodara**

**Prof. Anuradha Nerurkar**

Date: 17-02-2022

Research Guide