



UNIVERSITY OF NORTH BENGAL

DEPARTMENT OF BIOTECHNOLOGY

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CERTIFICATE

The research work presented in this thesis entitled **“Search for molecular diversity of metallo- β -lactamase genes in eubacterial isolates of Karala and Mahananda rivers of West Bengal”** has been carried out under my direct supervision by **Mr Vivek Kumar Ranjan**. This work is original and has not been submitted for any degree or diploma to this or any other University or Institution.

Date: 23-02-2021

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Urkund Analysis Result

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Sources included in the report:

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