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## Synthesis and Characterization of Bi<sub>4</sub>Ti<sub>3</sub>O<sub>12</sub>·LaMO<sub>3</sub>; (where M= Ti, V, Cr and Mn) Aurivillius Phases

A Dissertation for

Course code and course Title: CHC 651

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Submitted in partial fulfilment of Master's Degree in

Analytical Chemistry

Ву

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## **DECLARATION BY STUDENT**

I hereby declare that the data presented in this dissertation report entitles, "Synthesis and Characterization of Bi<sub>4</sub>Ti<sub>3</sub>O<sub>12</sub>·LaMO<sub>3</sub>; (where M=Ti, V, Cr and Mn) Aurivillius Phases" is based on the results of investigations carried out by me in the Analytical Chemistry, School of Chemical Sciences, Goa University under the supervision of Dr. Digamber G. Porob and the same has not been submitted elsewhere for the award of a degree or diploma by me. Further, I understand that Goa University or its authorities will be not responsible for the correctness of observations/experimental or other findings given in the dissertation.

I hereby authorize the University authorities to upload this dissertation on the dissertation repository or anywhere else as the UGC regulations demand and make it available to anyone as needed.

Shreya Kusha Gaunekar

(Signature and Name of the student)

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Date: 30 04 2024

Place: Goa University

### **COMPLETION CERTIFICATE**

This is to certify that the dissertation report "Synthesis and Characterization Bi<sub>4</sub>Ti<sub>3</sub>O<sub>12</sub>·LaMO<sub>3</sub>; (where M= Ti, V, Cr and Mn) of Aurivillius Phases" is a bonafide work carried out by Ms Shreya Kusha Gaunekar under my supervision in partial fulfilment of the requirement for the award of the degree of Master of Science in the Analytical Chemisrty at the School of Chemical Sciences, Goa University.

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