CERTIFICATE OF APPROVAL

This project entitled **"A STUDY ON METHOD OF PURIFICATION OF WATER."** submitted by **Sulav Gautam** of Grade 11 of Gurukul Academy Ghorahi-15 Ratanpur Dang prepared under the supervision of **Basant Pokhrel** is submitted for the consideration in partial fulfillment of the requirement fulfillment of chemistry practical examination has been accepted. This report has not been submitted in any other school and colleges previously.

……..	…..…..……
+2 coordinator	Supervisor
Mr. Rajan Adhikari	Basant pokhrel
Gurukul Academy	Department of chemistry
	Gurukul Academy

RECOMMENDATION LETTER

This project work entitled **" A STUDY ON METHOD OF PURIFICATION OF WATER "** had been submitted by Sulav Gautam of Grade 11 of Gurukul Academy Ghorahi-15 Ratanpur Dang has been prepared under my guidance as a partial fulfillment of chemistry practical examination for the grade 11.I, therefore, recommend the project work report for evaluation.

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Supervisor

Basant Pokhrel

Department of Chemistry

Gurukul Academy

DECLARATION

I, Sulav Gautam hereby declare that the investigatory project work entitled **"A STUDY ON METHOD OF PURIFICATION OF WATER."** submitted to the Department of chemistry Gurukul Academy Ghorahi-15 Ratanpur Dang is an original piece of work carried out by own effort and fact arrived at my observation under the supervision and guidance of Basanta Pokhrel, faculty of chemistry, and is submitted for the partial fulfillment of chemistry practical examination of grade 11. This project work report has not been submitted elsewhere for the award of any degree.

.....

Sulav Gautam

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25th December, 2024

ACKNOWLEDGEMENT

I am very pleased to dedicate this work to all the people and institution that provide me moral, technical support and guidance for all the successful completion of this study entitled " **A STUDY ON METHOD OF PURIFICATION OF WATER.**"I would like to thank my supervisor Sir Basant Pokhrel head of chemistry department of Gurukul Academy for introducing me to the topic as well as for all support, useful comments, remarks and encouragement through the learning process of this thesis.

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Sulav Gautam

ABSTRACT

This project investigates various methods of water purification, aiming to identify their principles, effect, and applicability. The study highlights common water contaminants, such as suspended particles, dissolved salts, microorganisms, and heavy metals. Purification methods including boiling, filtration, chlorination, distillation, reverse osmosis, and UV purification are analyzed for their advantages and limitations. An experimental study evaluates these methods on different water samples, emphasizing the need for a combination of techniques for comprehensive purification. The findings provide insights into selecting appropriate purification methods for specific contamination scenarios, contributing to safe and accessible drinking water solutionstiveness.

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