



Gas Chromatography

FUNDAMENTALS AND PRACTICE OF GAS CHROMATOGRAPHY

KEY WORDS

APPLIED GAS CHROMATOGRAPHY,
GC
TROUBLESHOOTING AND OPTIMIZATION,
ANALYTICAL INSTRUMENTATION

MAIN CONTENTS

Gas chromatography (GC) is a widely used analytical tool for qualitative and quantitative characterization of different samples. Examples of typical applications involving GC technique are analysis of natural products, food composition, food additives, flavor and aroma components, natural gas, a variety of transformation products, packaging materials and contaminants (such as environmental pollutants, fumigants pesticides and natural toxins). The course covers basic and practical aspects of handling GC.

COURSE DYNAMICS

The course is delivered through structured lectures that may be conducted either in person or virtually. Sessions include comprehensive presentations of the developed topics. Active participant engagement is encouraged through guided discussions, questions, and interactive exchanges to promote deeper understanding. A practical session will be conducted, allowing participants to apply the concepts covered during the course in a hands-on context and to strengthen their technical skills through direct experience.

LANGUAGE

Spanish




EVALUATION METHODOLOGY

Participants will be evaluated through a final examination and/or a comprehensive integrative final project.

CONTACT US

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Topic area Instrumental Chemical Analysis 	Format Face to face Virtual 
Level Advanced 	Certificate of Participation and Approval 