

# **INORGANIC CHEMICAL PREPARATIONS**

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Inorganic Chemical Preparations by Felix Lengfeld

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**FELIX LENGFELD**

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BY

FELIX LENGFELD

ASSISTANT PROFESSOR OF INORGANIC CHEMISTRY IN THE  
UNIVERSITY OF CHICAGO

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## PREFACE

THIS manual was written for the classes in Inorganic Preparations at the University of Chicago. The course is intended to familiarize advanced students with the methods and processes used in making inorganic compounds, and serves at the same time as a review in General Chemistry. It is supposed that the student who has finished the course is able without further assistance from an instructor to make any inorganic preparation. An attempt has been made to introduce all processes generally used, and at the same time to avoid repetition. The student should study each preparation in detail, work out other methods of making the same substance,

understand and criticise every step he takes and read some original articles. Therefore references to the literature have been given. No attempt has been made to make the list of references complete, as the student should learn to use dictionaries of chemistry, such as Dammer, Graham-Otto, etc.

The instructor must remember that the Manual is merely a laboratory guide, and that unless the work is carefully supervised it may become purely mechanical and the course lose half its value.

The preparations have not been arranged alphabetically or according to composition, but rather in the order of increasing difficulty. The methods have all been tried and have been found to give good results in the hands of careful students. A table of solubilities is appended.