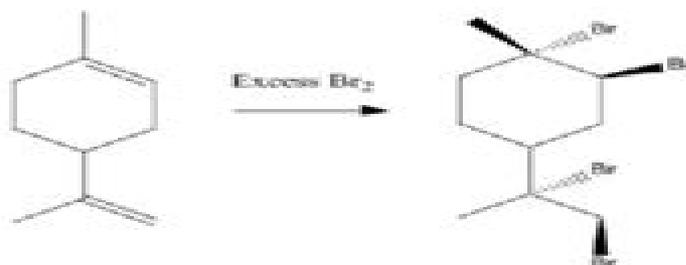


Experiment: The Isolation of R (+)- Limonene from Orange peel

I. Abstract:

In this experiment, steam distillation method was used to extract limonene from orange peel. It helps lower the limonene boiling point and allow the product to evaporate at lower temperature. There were new techniques and calculations being used in this experiment, including of polarimetry, enantiomeric excess, and optical rotation. The result turned out that the collected limonene had the experimental specific rotation of 116.7° . With the theoretical specific rotation of R(+)- Limonene was 125° , the percent of enantiomeric excess was 93.4%. Also, the results from IR spectrum and bromine absorption test were used to double check the purity of the product. IR spectrum showed the product had feature functional groups that represented the limonene. In the bromine absorption test, the bromine changed from orange color to colorless because of the existence of double bonds in the limonene.

II. Chemical reaction:



III. Table of physical constants:

	Molecular formula	Molecular weight	Melting point ($^\circ\text{C}$)	Boiling point ($^\circ\text{C}$)	Density (g/mL)

Experiment 7 Isolation Of Limonene From Orange Peels

Emilie Sanchez



Experiment 7 Isolation Of Limonene From Orange Peels:

Unveiling the Magic of Words: A Review of "**Experiment 7 Isolation Of Limonene From Orange Peels**"

In a global defined by information and interconnectivity, the enchanting power of words has acquired unparalleled significance. Their ability to kindle emotions, provoke contemplation, and ignite transformative change is really awe-inspiring. Enter the realm of "**Experiment 7 Isolation Of Limonene From Orange Peels**," a mesmerizing literary masterpiece penned by a distinguished author, guiding readers on a profound journey to unravel the secrets and potential hidden within every word. In this critique, we shall delve to the book is central themes, examine its distinctive writing style, and assess its profound affect the souls of its readers.

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