



Review - Problem No.16

Soap Production

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Reporter - Pros & Cons

1. Excellent definition of the phenomenon.
2. Structured and persuasive presentation.
3. Presence of visual aid & demonstrations.
4. Well-conducted experiments.
5. Interesting results.
6. Understanding graphs.

1. Lack of hypothesis.
2. Didn't explain the experimental setup.
3. Could test and other additives like butter.
4. Experiments conducted in a non-controlled environment.
5. Results not presented.
6. No possible errors and reasons behind them explained.
7. Unclear method(cold/hot)
8. Not enough data presented.
9. No error bars in the graphs
10. Missed some parameters like pH, lather, during time

Opponent - Pros & Cons

1. He mentioned the lack of hypotheses
2. Opponent highlighted the lack of parameters considered.
3. He noticed there were no errors bars considered in the graphs.

1. He didn't notice or mentioned to if the soap was made with the hot or cold process .
2. He insisted too much on the volume and density of the soap and spent too much time on it.
3. He didn't insist on the reasons behind the errors in the experiments.
4. Aggressive and ironic

REPORTER VS OPPONENT- POINTS DISCUSSED

Reporter



1. Did not answer to the question
2. Disagreed
3. Didn't fully answer the question

Opponent



1. Asked how the reporter measured the volume of the soap
2. Said that salt soap is not antibacterial
3. asked how the reporter measured the foam production



Our opinion

Our opinion is that the volume of the soap could be measured with a simple volumetric container.

We also believe that the soaps are antibacterial, proof for that is the recent researches about the coronavirus.



Suggestions for further improvement

Repeat the experiment in order for the results to be more valid.

Reporter should explain the experiments better

Test more parameters

Include error bars



YOU **ALL**

FOR

YOUR ATTENTION