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We realize that there are possible errors and faults in our experiment. In order to yield more significant data in future experimentation, we have several suggestions and recommendations.

1. The peroxide test should be conducted on all samples to quantify data obtained from sensory test.
2. Future experimentation should involve a larger sensory panel of members who have received preliminary training in odor evaluation.
3. Several experiment rounds should be conducted to obtain a larger, more reputable body of data.
4. The antioxidant amounts should be measured more precisely.
5. All antioxidants tested should be oil-soluble (or water soluble antioxidants treated to become esters) to increase effectiveness in oil.

There are also several extensions which could build upon our experiment:

1. Tests could be done to identify specific active components of certain antioxidants.
2. Antioxidant effectiveness could be evaluated using other oxidative stability methods.
3. Further experimentation could be done using concentrations between approximately 0.1% and 0.5% to identify the optimum concentration of antioxidant to oil.

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[Amador Valley High School](http://www.pleasanton.k12.ca.us/Amador/index.htm) | [Project Creek Watch](http://www.pleasanton.k12.ca.us/avh_science/creek/creek.html)

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