

GREATER SAN DIEGO SCIENCE & ENGINEERING FAIR (GSDSEF)

CERTIFICATION OF HAZARDS CONTROL FORM 4 (GSDSEF-4, 2015)

This form, if required, must be completed and signed before starting your project. Place it in your notebook for the GSDSEF SCREENING Fair. (Use the "Tab" key to move from line to line)

The student, and all who sign this form, MUST READ AND COMPLY with the Hazardous Material and Safety requirements for dealing with such materials as, bacteria; molds or fungi; protozoa; chemicals; toxic, corrosive, mutagenic, carcinogenic, teratogenic or infectious agents; venomous animals as explained in GSDSEF RULES & REGULATIONS page 13

Student's Name (last, first, middle) Huang, Eileen Date 9/1/2014

Partner's Name (Senior Division only) _____

School Marshall Middle School Grade 8th

Science Teacher E. Gillum

Project Title The Effect of Heat and pH on Vegetables

Hazardous procedures/materials/substances involved Frying pan, steamer, oven, boiling water, acetic acid baking soda

Answer 1 - 10 in detail & identify potential hazards clearly (use n/a if none—use additional sheets if needed):

1. Source of materials to be used Halozyne Therapeutics
2. Disposal method(s) to be used for hazardous materials Distilled Deionized Water
3. Procedures to be performed by the student Everything except for cleaning the pH meter, and frying the vegetables
4. Procedures to be performed by supervising scientist/adult supervisor Cleaned the pH meter after each trial, fried the vegetables
- 5 Safety precautions to be taken during procedures (be specific for each hazard involved) Chemicals weren't strong, there not needed
6. Name of adult hazards supervisor, Title, Phone, Company or Organization Qiping Zhao, (858)380-8317

Where bacteria, protozoa, fungi, molds, etc. are used, full details are required in 7-10:

7. Source of microorganism(s) _____
8. Genus, species, strain _____
9. Culture medium _____
10. Method & timing of sealing Petri dishes _____

REQUIRED CERTIFICATION SIGNATURES:

Failure to follow the rules and regulations will result in disqualification I CERTIFY THAT:

- The hazards control rules and regulations of the GSDSEF and the Intel ISEF will be followed.
- The procedures followed will ensure that neither the process nor the materials used constitute any known danger.
- All microorganisms, pathogenic or non-pathogenic, will be handled and disposed of as if pathogenic.
- I have previously signed the completed Form GSDSEF-1, 2015 (which outlined the procedures to be followed for this study).

Student's signature Eileen Huang Date 9/1/14

Parent/ Guardian signature [Signature] Date 9/1/14

Teacher signature E. Gillum Date 9/1/14

Adult Hazards Supervisor signature Q. Zhao Date 9/1/14

SRC Approval