

SANDERS LABORATORIES - E. COLI

Dear Sirs:

The following is a summary of the tests we have completed for your company.

Purpose of Study

Outbreaks of human disease associated with the consumption of raw fruits and vegetables have increased over the past decade. Fruits and vegetable can become contaminated with micro-organisms capable of causing human disease while still on the plant in the fields or orchards, during harvesting, transport, processing and distribution. Therefore we tested the Agri Agricultural System ability to reduce micro-organisms on raw fruits and vegetables.

Results

Samples of scallions from a farm were tested for *E. coli* bacteria. The scallions had greater than 600,000 colonies. The Agri Agricultural System was installed on a re-circulated tank. The copper level was raised to 1mg/L. The scallions were introduced into the tank. The scallions were removed and were tested for *E. coli* bacteria. There were less than 100 colonies.

Conclusion

The Agri Agricultural System achieved a 3.5 log reduction of micro-organisms on the scallions. The use of chlorine in conjunction with the Agri Agricultural System will achieve additional reduction of micro-organisms.

Sincerely,

Debra A. Sanders
Laboratory Director