

AiroCide® Photocatalytic Air Purifying Technology

AiroCide photocatalytic air purifiers contain the same NASA-developed technology used in a variety of AiroCide air purifying product lines. In addition to serving the floral and perishable preservation and food safety industry, the technology is has been developed to kill/remove/eliminate airborne pathogenic and non-pathogenic microorganisms in vegetative and spore states (bacteria, mold & fungi, viruses and dust mites), allergens, odors and harmful volatile organic compounds (VOC's) in air in a variety of commercial, government, and residential applications including the medical healthcare industry (AiroCide air purifiers are FDA Class II listed medical devices).

Summary:

Clinical tests were conducted at the Del Monte Fresh Produce Company's Atlanta distribution facility to measure the effect of AiroCide in reducing ethylene gas and airborne mold/fungi.

Results:

Ethylene gas was reduced in the cooler by 99.8% in 66 hours.

Ethylene Gas

Del Monte personnel performed ethylene gas reduction tests prior to the airborne mold/fungi tests summarized in this report. Ethylene gas was reported to have been reduced from a concentration of 350 parts per million (PPM) to 0.5 PPM in 66 hours.

