



Home Air Purifiers Eradicate Harmful Pathogens

Marshall Space Flight Center

**Akida Holdings
Jacksonville, Florida**

NASA Technology

- ◆ To survive in space for extended periods, astronauts need a dependable source of food, which on deep-space missions means growing their own produce
- ◆ NASA researched how to keep fruits and vegetables fresh longer by being able to remove ethylene gas, which promotes decay, from the air

Technology Transfer

- ◆ NASA funded a university to develop an ethylene scrubber that converts the gas into water and carbon dioxide, which are beneficial for plants
- ◆ KES Science and Technology licensed the technology and worked with Akida Holdings to deliver Airocide, which purges the air of pathogens



Benefits

- ◆ Airocide destroys airborne bacteria, mold, fungi, mycotoxins, viruses, volatile organic compounds, and odors
- ◆ The portable home unit can be mounted on a floor stand or hung on a wall
- ◆ The only upkeep required is replacing the reaction chamber once a year