

Proof of Concept testing validation for application of BetterAir Environmental Probiotics in the Airline Vertical

Conclusion of testing in 777 fleet with leading airline



Effectiveness of BetterAir probiotics in Airlines.

Week 2, 100% reduction in fungi, mold and pathogenic bacteria leading to a improved microbiome of airline Industry

Leading Airline Company

Testing protocol

- Fleet of 777
- Before and After testing, with interval testing at Day 1, Day 2, Week 1, Week 2 and 1 month.
- External testing lab – US based International company registered with EPA.
- Total trial period 3 months
- Testing conducted in lavatory, fuselage and high traffic area
- Tested for Fungi, Bacteria and Mold.
- Initial swabs indicated presence of all test targets pathogens for both raw counts and colony of bacteria.

Interim results reviewed

- 24 hour reduction in presence of 2 forms of Fungi and several forms of bacteria area as well as increase in colonization rates of good bacteria
- Day 2 – complete removal of fungi detected
- Week one : 90% elimination of all Bacteria and Fungi
- Week 2 – 100% elimination of all Pathogenic fungi and bacteria.
- 1 month – No return of pathogenic species – Microbiome deemed to have been positively effected with residual impact for up to one month

Nest Steps

- Testing results will be monitored for total of 3 months.
- Expanding testing to 737 Fleet

Re: Completion of testing of Better Air solutions on our 777 fleet

I appreciate your taking the last few months to assist us with our attempt to find effective and proven methods to improve the use of environment safety products.

has been Learning of Better Air solutions, [REDACTED] has taken an interest in testing and surveys of our passengers and crew on our entire Boeing 777 fleet.

During the last 3 months, the crew and external experts had been collecting samples that gathered inside the planes on different times and conditions; these samples had been sent for microbial inspection at the Hayes Laboratories - an independent certified lab in Virginia USA, a lab with capacity to identify and quantify each pathogens and germ collected during our testing Careful analysis of these results printed by Hayes and given to us at the first week of May, is clearly shows that Better Air E-Biotics (environmental probiotic) has been found effective in creating of a more balanced Indoor Microbiome inside the treated planes. The numerical values and comparison of the “before and after” treatment demonstrates a reduction of over 80-90 % of pathogenic microbiome (as of those known to man) .

The technical team of [REDACTED] is happy with these results and ready to expand the testing's of Better Air's E-Biotics products to our 737 fleet.

I appreciate all these that contribute time and efforts in this 3 months testing