

## **Influence of air ionization on the reduction of bacteria in test room**

Tests conducted by:

Professional Food Flavors Inc. / California (USA)

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- cooling room:** 147 m<sup>3</sup>
- appliance:** **aerotec 60**
- ionization tubes:** 3 pcs.
- type: IRE
- dimensions: length: 365 mm; diameter: 38 mm
- sampling method:** 15 m<sup>3</sup> of the air of the room have been aspirated through  
200 ml sterilized water with a vacuum pump.
- cultivation parameter:**
- cultivation medium: standard plate count agar
- measuring protocol:**
- first sampling / ionization turned off
- second sampling after 24 h / ionization turned on

### **SUMMARY**

Water sample air ionization off: 190.000 cfu/m<sup>3</sup>

Water sample air ionization on: 10.000 cfu/m<sup>3</sup>

**Average reduction of bacteria: 95 %**