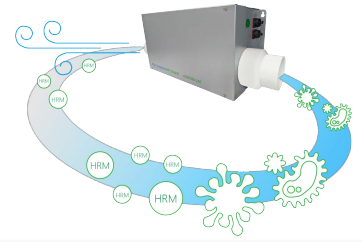


Food Processing Facility

Air Disinfection Biosecurity



Pre-treatment Air Samples - 01/12/2012

Air Sample Location	Raw	Avg cfu/m ³	% Difference
New hot box floor	57	2,640	-
New hot box floor	69	3,320	-
New hot box floor	72	3,480	-
New hot box fan	59	2,760	-
New hot box fan	14	560	-
New hot box fan	19	800	-
New hot box fan	12	480	-
New hot box fan	21	880	-
Old Hot Box Floor	-	-	-
New hot box fan – Red Iron	96	5,040	-
New hot box fan – Red Iron	121	6,350	-
Outside (<i>untreated</i>)	59	2,760	-

In-treatment Air Samples - 01/26/2012

Air Sample Location	Raw	Avg cfu/m ³	% Difference
New hot box floor	2	80	97.0%
New hot box floor	4	160	95.2%
New hot box floor	2	80	97.7%
New hot box fan	1	40	98.6%
New hot box fan	1	40	92.9%
New hot box fan	2	80	90.0%
New hot box fan	5	200	58.3%
New hot box fan	1	40	95.5%
Old Hot Box Floor	1	40	-
New hot box fan – Red Iron	-	-	-
New hot box fan – Red Iron	-	-	-
Outside (<i>untreated</i>)	38	1,680	39.1%

Species	Raw Count
Pseudomonas spp	155
Penicillium/aspergillus types	135
Lactobacillus spp	98
Bacillus spp	85
Cladosporium sphaerospermum	62
Penicillium purpurogenum	55
Penicillium janczewskii	36
Paecilomyces spp	19

Species	Raw Count
Pseudomonas spp	10
Penicillium/aspergillus types	< 5
Lactobacillus spp	< 5
Bacillus spp	< 5
Cladosporium sphaerospermum	-
Penicillium purpurogenum	-
Penicillium janczewskii	-
Paecilomyces spp	-

Pre-treatment samples from the various locations ranged from 480 to 3,480 cfu/m³ which is considerably > 300 cfu/m³ and is **not acceptable**, needs corrective action.

In-treatment samples from the various locations show a **94.9% reduction** and range from 40 to 200 cfu/m³.

Target Air Quality

Air quality scale for workplaces, public buildings, schools, and homes are as follows:

- < 100 cfu/m³ is considered clean and acceptable.
- 100 to 300 cfu/m³ is marginal.
- > 300 cfu/m³ is not acceptable and needs corrective action.

