



Date 21.01.2009

To assess the effectiveness of UV Air Purifier, the system was installed at different locations inside the ACE Pack house. The environment was monitored with respect to bacterial TPC and Yeast and Mold count before and after the use of UV air purifier.

Performance Assessment Of UV air purifier installed at different locations inside the ACE Pack house is given in the annexure

As a result of Sanuvox UV Air purifier; we found very significant reduction in TPC and Yeast & Mold count in air samples of the raw material storage and handling areas.

Highest count of TPC and Yeast & Mould count were 108 and 46 respectively which may go much higher during rainy seasons.

On introduction of the UV Air purifier, there was near Zero or Zero count for both Total Plate Count & Yeast and Mould count after 3 to 6 hours in static mode. In regular operations, microbial load increased significantly after the raw material entry/door opening of the cold storage which got reduced subsequently after the UV exposure of the area for 3 hours.

Warm regards,

(Arvind Kumar)  
Manager-Technical

**Bharti Del Monte India Pvt. Ltd.**

Golf View Corporate Towers - A, 6th Floor, Sector- 42, Gurgaon 122 001, India, Tel: +91 124 410 9400, Fax: +91 124 410 9390  
Regd. Office: D-195, Okhla Industrial Area, Phase -I, New Delhi - 110 020, India



Annexure:

Performance Assesment :Sanuvox-UV Airpurifier									
Sr. No.	Time (hrs)	CS1 (static)		CS2 (Dynamic)		RMS (Dynamic)		CS3 (Dyanamic)	
		TPC	Y&M	TPC	Y&M	TPC	Y&M	TPC	Y&M
1	0	47	26	30	34	108	46	16	20
2	1	14	8	5	14				
3	2	6	3	2	4				
4	3	0	0	16	30				
5	4	0	0	10	17	1	6		
6	5	0	0	3	6				
7	6			0	2				
8	7								
9	8					60	39		
10	16					0	0	1	0
11	20							6	1
12	24								
13	28								
14	40							1	0
15	48							0	0

CS1- Cold Store 1

CS2- Cold Store 2

CS3- Cold Store 3

RMS- Raw Material Storage

(This study was conducted under the prevailing plant operation conditions and in no way generalize the performance of the given equipment for all the weathers/ environment conditions.)

**Bharti Del Monte India Pvt. Ltd.**

Golf View Corporate Towers -A, 6th Floor, Sector- 42, Gurgaon 122 001, India, Tel: +91 124 410 9400, Fax: +91 124 410 9390  
Regd. Office: D-195, Okhla Industrial Area, Phase -I, New Delhi - 110 020, India