

YEAR DEVELOPMENT LTD.  
FLAT 1, 4/F, HENLEY CENTRE, 9-15 BUTE STREET, MONGKOK

This report is to supersede test report number 2000307/IEQ.

SGS Job No. : 1607586

Report on laboratory testing of Total Bacteria Count (TBC) and Total Volatile Organic Compounds (TVOC) for product PURE AIR D-1 from Green Point International Ltd. at Control Room of SGS on 7 September and 8 October 2004 respectively.

## 1. Introduction

### 1.1 Total Bacteria Count (TBC)

The sampling for Total Bacteria Count (TBC) were performed by the SGS using SAS Super 100 Air Sampler (Model No.: 02-CM-01475) whereas other equipment for sampling and the laboratory testing were conducted by SGS. The details were described in the following sections.

The Control Room was locked and no external ventilation provided during testing period (24hr) after setting up the product inside the room.

### 1.2 Total Volatile Organic Compounds (TVOC)

The sampling for Total Volatile Organic Compounds (TVOC) were performed by the SGS using ppb RAE TVOC Monitor. The details were described in the following sections.

The Control Room was locked and no external ventilation provided during testing period (24hr) after setting up the product inside the room.

Background level of TVOC in control room was deducted from final measurement and presented as net background value.

## 2. Sample Identification and Test Requested / 3. Sample and Analysis Methodology / 4. Results

Please refer to the following page(s).

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Signed for and on behalf of  
SGS Hong Kong Ltd.

  
JESSICA LEUNG  
SECTION MANAGER

**2. Sample Identification and Test Requested**

SGS Sample No.	Sampling Location	Date & Time of Commencing Sampling	Test Requested
A0409031	PURE AIR D-1 Before - Control Room 601	6 September 2004 1100	TBC
A0409033	PURE AIR D-1 After - Control Room 601	7 September 2004 1145	TBC
A0410053	PURE AIR D-1 - Control Room 601	8 October 2004 1030	TVOC

Sampling : Conducted by SGS

Sampling address: SGS Control Room 601  
reported by SGS

Sample receiving : For TBC analysis, all agar plates were received by SGS on 7 September 2004. And they were kept cool in an ice box.  
For TVOC analysis, real time measurement on 9 October 2004.

**3. Sampling and Analysis Methodology**

**3.1 Total Bacteria Count**

**3.1.1 Sampling**

Sampling was conducted by SGS using SAS Super 100 Air Sampler (Model No.: 02-CM-01475) whereas other equipment for sampling was provided by SGS. The equipment provided was as follows :

- (a) Agar medium (55mm petri dish)  
APHA plate count agar for total bacteria count
- (b) Alcohol for sterilizing purpose
- (c) An ice box

**3.1.2 Analytical Method**

The agar was incubated at 37 degree Celsius for 48 hours.

**3.1.3 Testing periods for laboratory analysis**

7 - 10 September 2004 for samples submitted on 7 September 2004

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### 3. Sampling and Analysis Methodology (Continued)

#### 3.2 Total Volatile Organic Compound (TVOC)

##### 3.2.1 Sampling

Sampling was conducted by SGS using ppb RAE TVOC Monitor.

##### 3.2.2 Analytical Method

Real time measurement in Control Room.

Measurement was taken after product operated for 24 hr.

##### 3.2.3 Testing periods for laboratory analysis

8 - 9 October 2004

### 4. Results

#### Total Bacteria Count

SGS Sample No.	Sampling Location	Date & Time of Commencing Sampling	TBC (cfu/m <sup>3</sup> )	TVOC (Net Background) (ppb)
A0409031	PURE AIR D-1 Before - Control Room 601	6 September 2004 1100	> 4000	--
A0409033	PURE AIR D-1 After - Control Room 601	7 September 2004 1145	20	--
A0410053	PURE AIR D-1 - Control Room 601	8 October 2004 1030	--	40

- Note : 1. cfu - colony forming unit  
 2. Volume of air sampled for each sample of TBC analysis was 300 L as reported by SGS.  
 3. 1 ppb of TVOC = 1.8 µg/m<sup>3</sup> of TVOC

\*\*\* End of Report \*\*\*