



This report is to supersede test report number 2000320/IEQ.

SGS Job No. : 1607586

Report on laboratory testing of Total Bacteria Count and Yeast & Mould Count for collected at Hotel Inter - Continental.

1. Introduction

Total Bacteria Count and Yeast & Mould Count

The sampling for Total Bacteria Count and Yeast & Mould Count were performed by the SGS using SAS Super 100 Air Sampler (Model No.: 02-CM-01475) were described in the following sections.

2. Sample Identification and Test Requested

Total Bacteria Count (TBC) and Yeast & Mould Count (Y&M)

SGS Sample No.	Sampling Location as Reported by Client	Date and Time of Commencing Sampling as Reported by SGS	Test Requested
0302 / 0232	11/F - AHU - PURE AIR D-3 Installed Floor	30 August 2004 1102	TBC, Y&M
0239 / 0238	11/F - Corridor - PURE AIR D-3 Installed Floor	30 August 2004 1114	TBC, Y&M
0303 / 0304	7/F - Corridor - Untreated Floor	30 August 2004 1139	TBC, Y&M

- Sampling : Conducted by SGS
- Sample delivery : The agar plates after sampling were delivered by SGS on 30 August 2004
- Sample receiving : The agar plates were received by SGS on 30 August 2004. All agar plates were kept cool in an ice box.

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

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H14011628

**3. Sampling and Analysis Methodology**

Total Bacteria Count and Yeast & Mould Count

3.1 Sampling

Sampling was conducted by SGS using SAS Super 100 Air Sampler (Model No.: 02-CM-01475).

The equipment includes :

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

3.2 Analytical Method

- (a) Total Bacteria Count  
     The agar was incubated at 37 degree Celsius for 48 hours.
- (b) Yeast & Mould Count  
     The agar was incubated at 25 degree Celsius for 5 days.

3.3 Testing periods for laboratory analyses

- (a) Total Bacteria Count  
     30 August - 1 September 2004 for samples submitted on 30 August 2004
- (b) Yeast & Mould Count  
     30 August - 4 September 2004 for samples submitted on 30 August 2004

**4. Results**

Total Bacteria Count and Yeast & Mould Count

SGS Sample No.	Sampling Location as Reported by Client	Date and Time of Commencing Sampling as Reported by SGS	Total Bacteria Count (cfu/m <sup>3</sup> )	Yeast & Mould Count (cfu/m <sup>3</sup> )
0302 / 0232	11/F - AHU - PURE AIR D-3 Installed Floor	30 August 2004 1102	150	< 3
0239 / 0238	11/F - Corridor - PURE AIR D-3 Installed Floor	30 August 2004 1114	< 3	< 3
0303 / 0304	7/F - Corridor - Untreated Floor	30 August 2004 1139	20	< 3

- Note : 1. cfu - colony forming unit  
 2. Volume of air sampled for each sample of TBC and Y & M analyses was 300 L.

Remark: Defection may happen during sampling in real environment like passing through the sampling points by unexpected passengers. This report can be interpreted as a reference only.

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



D3 -15" UV Lamp (由SGS 於 香港洲際酒店 執行)

Test Report

No. 2001689/IEQ

Date : Oct 20 2006

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This report is to supersede test report number 2000343/IEQ.

SGS Job No. : 1607586

Report on laboratory testing of Ozone for Inter-Continental Hotel on 1 November 2004.

### 1. Introduction

Ozone

The sampling for Ozone was performed by the SGS using Method USEPAB-1101. The detail was described in the following section.

### 2. Sample Identification and Test Requested

<u>SGS Sample No.</u>	<u>Sampling Location</u>	<u>Date &amp; Time of Commencing Sampling</u>	<u>Test Requested</u>
A0411001	10/F Corridor, Inter-Continental Hotel	1 November 2004 1215 - 1615	Ozone
A0411002	11/F Corridor (PURE AIR D-3 Treatment Floor), Inter-Continental Hotel	1 November 2004 1215 - 1615	Ozone

Sampling : Conducted by SGS

Sampling address reported by SGS : 10/F to 16/F Corridor, Inter-Continental Hotel

Sample delivery : The ozone absorption badges after sampling were delivered by SGS on 2 November 2004.

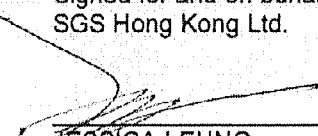
Sampling receiving : The ozone absorption badges were received by SGS on 2 November 2004. All ozone absorption badges were kept ambient in a plastic bottles.

### 3. Sample and Analysis Methodology / 4. Results

Please refer to the following page(s).

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**Test Report**

No. 2001689/IEQ

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**3. Sampling and Analysis Methodology**

Ozone

By USEPA Method B 1011 with 4 hours sampling time. The samples were then sent to the outside laboratory for analysis assessed as competent.

**4. Results**

<u>SGS Sample No.</u>	<u>Sampling Location</u>	<u>Date &amp; Time of Commencing Sampling</u>	<u>Ozone (<math>\mu\text{g}/\text{m}^3</math>)</u>
A0411001	10/F Corridor, Inter-Continental Hotel	1 November 2004 1215 - 1615	< 50
A0411002	11/F Corridor (PURE AIR D-3 Treatment Floor), Inter-Continental Hotel	1 November 2004 1215 - 1615	< 50

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

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## Test Report

No. 2001687/IEQ

Date : Oct 20 2006

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### D-1 於 SGS(香港)控制室 執行

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)

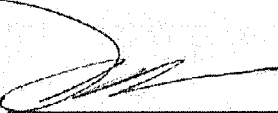
The sampling for Total Volatile Organic Compounds (TVOC) were performed by the SGS using ppb RAE TVOC Monitor. The details were described in the following sections. The Control Room was locked and no external ventilation provided during testing period (24hr) after setting up the product inside the room. 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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## Test Report

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### 2. Sample Identification and Test Requested

<u>SGS</u> <u>Sample No.</u>	<u>Sampling Location</u>	<u>Date &amp; Time of</u> <u>Commencing Sampling</u>	<u>Test</u> <u>Requested</u>
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 \*\*\*