

## TEST REPORT

**CLIENT DETAILS**

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Order Number **-**  
 Samples **Air(7)**  
 Project **Default Project**

**LABORATORY DETAILS**

Manager **SGS HONG KONG LIMITED**  
 Laboratory **ENVIRONMENT, HEALTH AND SAFETY**

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 SGS Reference **0000000388**  
 Date Reported **2017/07/07**

**COMMENTS**

The designated areas (Location 1,2 and 4) listed above have met and reached the requirements of ISO 14644-1:1999 CLASS 6 at 0.5um and 1um in the operational mode.

The designated areas (Location 3,5,6 and 7) listed above have met or reached the requirements of ISO 14644-1:1999 CLASS 7 at 0.5um and 1um in the operational mode.

**ISO 14644-1 Cleanroom Standards**

Class	maximum particles/m <sup>3</sup>						FED STD 209E equivalent
	≥0.1 μm	≥0.2 μm	≥0.3 μm	≥0.5 μm	≥1 μm	≥5 μm	
ISO 1	10	2.37	1.02	0.35	0.083	0.0029	
ISO 2	100	23.7	10.2	3.5	0.83	0.029	
ISO 3	1,000	237	102	35	8.3	0.29	Class 1
ISO 4	10,000	2,370	1,020	352	83	2.9	Class 10
ISO 5	100,000	23,700	10,200	3,520	832	29	Class 100
ISO 6	1.0×10 <sup>6</sup>	237,000	102,000	35,200	8,320	293	Class 1,000
ISO 7	1.0×10 <sup>7</sup>	2.37×10 <sup>6</sup>	1,020,000	352,000	83,200	2,930	Class 10,000
ISO 8	1.0×10 <sup>8</sup>	2.37×10 <sup>7</sup>	1.02×10 <sup>7</sup>	3,520,000	832,000	29,300	Class 100,000
ISO 9	1.0×10 <sup>9</sup>	2.37×10 <sup>8</sup>	1.02×10 <sup>8</sup>	35,200,000	8,320,000	293,000	Room air

**SIGNATORIES**



**WINGYAN CHAN**  
 Laboratory Executive

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only except perishable samples.