

# **Test Report**

REPORT No.: GZE13-00252R1

| ATTENTION: | Charlie Jiang  | DATE SAMPLED:  | 2013/07/24    |
|------------|--|----------------|---------------|
| CUSTOMER:  | XIA MEN GREEN MOUNTAIN<br>IMP.&EXP.CO.,LTD                                   | DATE REPORTED: | 2013/08/13    |
|            | 2/F, Fujian Guaranty Bldg, 137 Hualin<br>Road, Fuzhou, Fujian, China, 350003 | SAMPLE (S):    | PLANT PACK(5) |

**REFERENCE:** 

### REMARKS

1. This test document cannot be reproduced in any way, except in full content, without prior approval in writing by the laboratory.

2. The results shown in this test report refer only to the sampling and the sample(s) tested unless otherwise stated.

3. The report was translated from report GZE13-00252R0.

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Approved by:

Rainn Zhu Approved Signatory

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## **Basic Information**

#### 1. Sample summary:

| a. Sample(s):          | PLANT PACK               |
|------------------------|--------------------------|
| b. Sample discription: | 5 packets of PLANT PACKs |
| c. Date sampled:       | 2013/07/24               |
| d. Project No.:        | 13-00252                 |

#### 2. Testing summary:

| 2. resting summary.   |   |
|-----------------------|---|
| a. Testing request:   | purification efficiency against benzene and toluene   |
| b. Testing date:      | 2013/07/24~2013/07/30   |
| c. Testing condition: | Test chamber, capacity of 0.6x0.6x0.67m <sup>3</sup> , was made of organic glass or transparent material without peculiar smell, with holes for sampling and power line of ventilator.  |
| d. Testing procedure: | A. Put 5 packets of PLANT PACKs into the test chamber and seal the chamber.<br>B. Inject a certain quantity of spiked benzene and toluene by atomization plant through the sampling hole into the airtight chamber. At the same time, turn on the ventilator to make the air well-distributed and get stable.<br>C. Wait for 2 minutes for stability, take the air sample from the chamber and analyze the gas concentration of benzene and toluene in the sample according to GB 11737-1989. The sampling hole must be sealed during and after sampling. This concentration of benzene and toluene in the air sample is marked as the initial concentration of purification efficiency test of PLANT PACKs ( $C_{S-0}$ ).<br>D. After 2 hours in the airtight and stable test chamber, take the air sample from the chamber and analyze the gas concentration of benzene and toluene in the airtight and stable test chamber, take the air sample is marked as the 2-hour concentration of purification efficiency test of PLANT PACKs ( $C_{S-2}$ ).<br>E. Purification efficiency of PLANT PACKs (%) is calculated by the following formula: $K_{S} = (C_{S-0}-C_{S-2})/C_{S-0}$ . |

#### 3. Testing result:

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Please refer to next page(s).

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| AIR ANALYSIS             |                            |               | Lab ID       | 13-00252-01  | 13-00252-02   |      |
|--------------------------|----------------------------|---------------|--------------|--|---|------|
|                          |                            |               | Customer ID  | PLANT PACK   | PLANT PACK  |      |
| Report No.:GZE13-00252R1 |                            |               | Sampling ID  | The initial concentration<br>of purification efficiency<br>test of PLANT<br>PACKs(C <sub>S-0</sub> ) | The 2-hour<br>concentration of<br>purification efficiency test<br>of PLANT PACKs(C <sub>S-2</sub> ) |      |
| Customer Reference: -    |                            |               | Date Sampled | 2013/07/24   | 2013/07/24  |      |
| ITEM                     |                            | METHOD        | LOR          | UNIT   | Air   | Air  |
| Benzene                  | measured concentration     | GB 11737-1989 | 0.01         | mg/m <sup>3</sup>  | 14.0  | 2.56 |
|                          | purification<br>efficiency | -             | -            | %  | 81.7  |      |
| Toluene                  | measured concentration     | GB 11737-1989 | 0.01         | mg/m <sup>3</sup>  | 55.7  | 10.2 |
|                          | purification<br>efficiency | -             | -            | %  | 81.7  |      |

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# APPENDIX

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