



工業技術研究院
能源與資源研究所
Industrial Technology Research Institute
Energy & Resources Laboratories

Water-Efficient Analysis /Test Report
for
Highplus International Co., Ltd.



Number of Report : 93-65

Date of Report : 2004.8.26

**Report Submitted by Water Conservation Corps,
ERL/ITRI, Taiwan, ROC**





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Analysis/Test Report

Requested Number : FF363H0000-93-30
FF363H0000-93-55

Requested Company : Highplus International Co., Ltd

Name of Article : Faucet and Water-saving Accessory

Address : 1F,No.14 Lane 112,Sec 2,Siou-Ming Rd.,
Wen-Shan,Taipei,
Taiwan, ROC

TEL : 886-02-29371369

FAX : 886-02-29371352

Testing Laboratory : Water-Efficient Testing Lab
Energy & Resources Laboratories, ITRI, Taiwan

TEL : 886-3-5914321

Address : H000 ERL/ITRI Bldg.,64,195,Sec.4 Chung Hsin Rd.,
Chutung, Hsin Chu,Taiwan,ROC

Date of Testing : 2004.5.12~2004.8.12





Code Products for Testing

Name of Articles	Code of Articles	No. for Testing
Faucet	HP-31601S	1
Water-saving Accessory	HP-165S	1

Test Method

Test Item	Name of Article	Code of Articles	Test Method	Remarks
Flow Test	Faucet	HP-31601S	JIS B2061	
Leakage Test	Faucet	HP-31601S	CNS 8085	
Durability Test	Faucet	HP-31601S	JIS B2061	
Operation Test	Faucet	HP-31601S	CNS 8085	
Thickness of electroplate Test	Faucet	HP-31601S	CNS 4157	
Efficiency of Water-saving	Water-saving Accessory	HP-165S	JIS B2061	

Test Condition

1. Water Temperature : Normal ◦
2. Water Pressure : 1.00 Kg/cm² ◦
3. Air Pressure : 4.56 Kg/cm² ◦
4. Frequency : 10 sec/cycle ◦
5. Numbers of test : 200,000 cycle ◦
6. Other Conditions : Flowrate without Accessory 17.39 L/min ◦

2006
10/10

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10/10



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Test Result :

Test Item	Name of Article	Code of Articles	Test Result
Flow Test	Faucet	HP-31601S	2.71 L/min
Leakage Test	Faucet	HP-31601S	No Pressure Decreased and No Bubble Produced
Durability Test	Faucet	HP-31601S	No Damage and Leakage
Operation Test	Faucet	HP-31601S	Normal
Thickness of electroplate Test	Faucet	HP-31601S	Comply with CNS 4157 Copper Alloy Standard
Efficiency of Water-saving	Water-saving Accessory	HP-165S	84.4 %



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 - 3.The applicant, the sample collector, and the object description . will be supplied by the requested party.
 - 4.The applicant is responsible for the fee of the sample return.
 - 5.This report relates only to the items tested.
 - 6.This report should not be reproduced by any means.

Authorized by : Jen Chung Chen Analyzed by : Wang Hsien-Deng

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11/11/2004