

Test Report

REPORT NO : KB-08-05623XA
 PAGE NO : 1 OF 2
 DATE : Nov. 11, 2008

CLIENT: Techome Technolgy CO.,LTD
CARGO : AGD-50 Waterproof powder
SAMPLE SUBMITTED BY: Techome Technology CO.,LTD.(Wen-Yi Kuo)
SAMPLE RECEIVED DATE: Oct. 03,2008
SAMPLE TESTED DATE(S): Oct. 03,2008~Nov. 11,2008
TEST METHOD: CNS 3763(2001) waterproof agent of cement for concrete construction
REMARK: The information mentioned in the above section is provided by testing applicant(Exclude tested date)

Test Results :

1. Mixing Rate(By Weight)

1.1. Admixture : AGD-50 Waterproof powder

Taiwan Cement(Type I) : Granded Standard Sand : AGD-50 : Water = 200 : 600 : 30 : 117.9 (Flow : 112)

1.2. Control :

Taiwan Cement(Type I) : Granded Standard Sand : Water = 200 : 600 : 120(Flow : 114)

Test Items	Test Results	CNS 3763(2001) Specification
1.Absorption Ratio 1hr 5hrs 24hrs	0.20 0.19 0.29	$\frac{\text{Admixture}}{\text{Control}} < 0.50$
2. Water Permcability Ratio	0.43	$\frac{\text{Admixture}}{\text{Control}} < 0.50$
3. Setting Time(min) Initial Final	237 418	$\geq 60 \text{ min}$ $\leq 600 \text{ min}$
4.Qualitative Analysis	Conform to the Specification	Without expansive crack and deformation by externals.

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The required specification(s) offered in this test report is/are for reference only. The conformity judgment is at Applicant's final verdict.

Signed for and on behalf of
 SGS Taiwan Ltd.

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TW7156156

Test Report

REPORT NO : KB-08-05623XA

PAGE NO : 2 OF 2

DATE : Nov. 11, 2008

THE FOLLOWING MERCHANDISE WAS(WERE) SUBMITTED AND IDENTIFIED BY THE CLIENT AS :

TEST ITEM /METHOD

ASTM E2149-01

Test bacteria :

1. *Staphylococcus aureus* ATCC No. 6538
2. *Klebsiella pneumoniae* ATCC No. 4352
3. *Escherichia coli* ATCC No. 8739

TEST RESULT:

Bacteria: *Staphylococcus aureus* ATCC No. 6538

Counts At "0 Hr" Contact Time (CFU/ml)	Counts At "1 Hr" Contact Time (CFU/ml)	REDUCTION (R%)
1.2 × 10 ⁵	1.4 × 10 ⁵	—

Bacteria: *Klebsiella pneumoniae* ATCC No. 4352

Counts At "0 Hr" Contact Time (CFU/ml)	Counts At "1 Hr" Contact Time (CFU/ml)	REDUCTION (R%)
1.4 × 10 ⁵	1.1 × 10 ⁵	21.4

Bacteria: *Escherichia coli* ATCC No. 8739

Counts At "0 Hr" Contact Time (CFU/ml)	Counts At "1 Hr" Contact Time (CFU/ml)	REDUCTION (R%)
1.4 × 10 ⁵	1.4 × 10 ⁵	—

Note: Test bacteria were authorized to execute by SGS Taiwan Ltd, Kaq Food Lab.

REPORT NO(RS/2008/A0073)

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TW 7156135

Test Report

Report No.: AR/2008/A007402

Page: 1 OF 1

Date: 2008/11/07

The following merchandise was submitted & identified by the client as:

Subcontrate Group: Techome Technolgy CO., LTD
Type of Product: AGD-50 waterproof powder
Sample No.: ARA007401
Sampling Group: The Commission department give the sample over by himself
Time of Sample received: 2008/10/15 10:52
Test Results:

Test Requested	Test Results (Unit)	Test Methods	Standards For Hazardous Industrial Waste
Toxicity Characteristic Leaching Procedure	---	NIEA R201.13C	---
Arsenic in Waste Extracts	0.002 (mg/L)	NIEA R318.11C	>5.0 (mg/L)
Barium in Waste Extracts	0.596 (mg/L)	NIEA R306.13C	>100.0 (mg/L)
Cadmium in Waste Extracts	ND<0.010 (mg/L)	NIEA R306.13C	>1.0 (mg/L)
Total Chromium in Waste Extracts	ND<0.012 (mg/L)	NIEA R306.13C	>5.0 (mg/L)
Hexavalent Chromium in Waste Extracts	ND<0.01 (mg/L)	NIEA R309.12C	>2.5 (mg/L)
Copper in Waste Extracts	ND<0.023 (mg/L)	NIEA R306.13C	>15.0 (mg/L)
Mercury in Waste Extracts	ND<0.0005 (mg/L)	NIEA R314.12C	>0.2 (mg/L)
Lead in Waste Extracts	ND<0.028 (mg/L)	NIEA R306.13C	>5.0 (mg/L)
Selenium in Waste Extracts	ND<0.004 (mg/L)	NIEA R300.10C	>1.0 (mg/L)

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

3.If there are any discrepancy, the chinese version shall prevail.

4.This report was for reference only.



Pannu Liu / Supervisor

SIGNED FOR AND ON BEHALF OF
 SGS TAIWAN LTD.

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TW 7597552

試驗報告

報告號碼: KB-08-05623X

頁數: 1 OF 2

日期: 97年11月11日

委託單位: 昶閣科技股份有限公司
 樣品名稱: AGD-50 防水粉
 送驗人員: 昶閣科技股份有限公司(郭文毅)
 收件日期: 97年10月03日
 試驗日期: 97年10月03日-97年11月11日
 試驗方法: CNS 3763(2001)水泥防水劑
 備註: 以上資料由送驗人員提供(試驗日期除外)

一、試驗條件:

配比(重量比):

1. 添加 AGD-50:

台泥 I 型水泥: 標準砂: AGD-50: 水 = 200: 600: 30: 117.9 (流度值: 112 %)

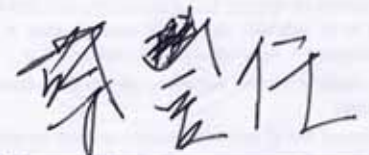
2. 標準型(水泥砂漿):

台泥 I 型水泥: 標準砂: 水 = 200: 600: 120 (流度值: 114 %)

二、試驗結果:

試驗項目	試驗結果		CNS 3763(2001)規定
1. 吸水比			$\frac{\text{摻防水劑試體之吸水量}}{\text{未摻防水劑試體之吸水量}} = 0.50 \text{ 以下}$
1 小時	0.20		
5 小時	0.19		
24 小時	0.43		
2. 透水比	0.43		$\frac{\text{摻防水劑試體之吸水量}}{\text{未摻防水劑試體之吸水量}} = 0.50 \text{ 以下}$
3. 安定性	無發生龜裂及變形現象		不得發生膨脹性龜裂或變形
4. 凝結時間(分鐘)	初凝	終凝	初凝時間 1 小時以後, 終凝在 10 小時以內。
	237	418	

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報告簽署人

本報告若有提供規範值時, 該規範值僅供參考, 合格之判定以委託單位實際要求為準

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TW 7156131

試驗報告

報告號碼: KB-08-05623X

頁數: 2 OF 2

日期: 97年11月11日

試驗方法: ASTM E 2149-01

測試項目: 抗菌測試

試驗結果:

菌種 1: 金黃色葡萄球菌 ATCC No. 6538

<u>0 小時接菌量</u> (CFU/ml)	<u>作用 1 小時後菌量</u> (CFU/ml)	<u>抑菌率(R%)</u>
1.2×10^5	1.4×10^5	—

菌種 2: 肺炎桿菌 ATCC No. 4352

<u>0 小時接菌量</u> (CFU/ml)	<u>作用 1 小時後菌量</u> (CFU/ml)	<u>抑菌率(R%)</u>
1.4×10^5	1.1×10^5	21.4

菌種 3: 大腸桿菌 ATCC No. 8739

<u>0 小時接菌量</u> (CFU/ml)	<u>作用 1 小時後菌量</u> (CFU/ml)	<u>抑菌率(R%)</u>
1.4×10^5	1.4×10^5	—

註: 抗菌測試委由台灣檢驗科技(股)公司高雄食品實驗室執行。報告編號(RS/2008/A0073)

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報告簽署人

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TW7156132

廢棄物樣品檢驗報告

委託單位：昶閎科技股份有限公司

業別：*

樣品基質：AGD-50 防水粉(AGD-50 waterproof powder)

樣品編號：ARA007401

採樣單位：委託單位自行送樣

採樣地點：*

專案編號：*

採樣時間：* 年 * 月 * 日 * 時 * 分

收樣時間：97 年 10 月 15 日 10 時 52 分

報告日期：97 年 10 月 23 日

報告編號：AR/2008/A007401A

聯絡人：陳怡婷

是否經認可	檢驗項目	檢驗值(單位)	檢驗方法	有害事業廢棄物認定標準
*	事業廢棄物毒性溶出程序	---	NIEA R201.13C	---
*	萃出液中總砷	0.002 (mg/L)	NIEA R318.11C	>5.0 (mg/L)
*	萃出液中總鉍	0.596 (mg/L)	NIEA R306.13C	>100.0 (mg/L)
*	萃出液中總鎘	ND<0.010 (mg/L)	NIEA R306.13C	>1.0 (mg/L)
*	萃出液中總鉻	ND<0.012 (mg/L)	NIEA R306.13C	>5.0 (mg/L)
*	萃出液中六價鉻	ND<0.01 (mg/L)	NIEA R309.12C	>2.5 (mg/L)
*	萃出液中總銅	ND<0.023 (mg/L)	NIEA R306.13C	>15.0 (mg/L)
*	萃出液中總汞	ND<0.0005 (mg/L)	NIEA R314.12C	>0.2 (mg/L)
*	萃出液中總鉛	ND<0.028 (mg/L)	NIEA R306.13C	>5.0 (mg/L)
*	萃出液中總硒	ND<0.004 (mg/L)	NIEA R300.10C	>1.0 (mg/L)
	以下空白			

備註：1. 本報告已由核可報告簽署人審核無誤，並簽署於內部報告文件，簽署人如下：

無機檢測類：賴新芳(IGI-03)。

2. 本報告共 1 頁。

3. 檢測項目有標示“*”者，係指該檢測項目經環保署許可，並依公告檢測方法分析。

4. 低於方法偵測極限之測定值以“ND”表示，並註明其方法偵測極限(MDL)。

5. 本報告僅對該樣品負責，不得隨意複製及作為宣傳廣告之用。

6. 未經認可項目，其參考方法如上表所示。

7. 總鉍、總鎘、總鉻、總銅及總鉛之上機方法是根據 NIEA M104.01C。

8. 委託單位自行送樣，本報告僅供參考。

9. 採樣項目未取得許可證。

10. 報告編號 AR/2008/A007401A 取代原本 AR/2008/A007401。

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公司名稱：台灣檢驗科技股份有限公司高雄分公司

負責人：楊崑山

檢驗室主管：劉士萍

實驗室主任劉士萍



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頁次(1/1)

TW 7597551