

材料暨工程實驗室-台中

## 試驗報告



報告編號:TK-20-00865-1

頁次: 1 OF 1

報告日期:109 年 02 月 20 日

喬城實業有限公司

產品名稱: 導盲釘  
 產品顏色: 白鐵色砂面  
 供應廠商: 喬城實業有限公司  
 送驗廠商: 喬城實業有限公司  
 收件日期: 109 年 02 月 13 日  
 試驗日期: 109 年 02 月 13 日~109 年 02 月 19 日  
 備註: 1.以上資料由顧客提供(收件及試驗日期除外)  
 2.除非另有說明,此報告結果僅對測試之樣品負責  
 未經本公司事先書面同意,此報告不可部分複製  
 3.下述報告內容標示#處由顧客提供

本實驗室依據顧客所提供之試驗需求與樣品進行試驗,結果說明如下:

試驗需求: 成份分析

產品規範: CNS 3270(2016) 304 類,CNS 3158(2008)

試驗方法: CNS 10006(1984)

試驗結果:

成份分析

| #試件名稱 | C     | Si    | S      | P      | Mn    | Ni         | Cr          |
|-------|-------|-------|--------|--------|-------|------------|-------------|
| ----  | %     | %     | %      | %      | %     | %          | %           |
| 導盲釘   | 0.08  | 0.43  | 0.004  | 0.029  | 1.02  | 7.88       | 17.96       |
| #規範要求 | ≤0.09 | ≤1.05 | ≤0.035 | ≤0.045 | ≤2.04 | 7.85~10.65 | 17.80~20.20 |

備註: 1.本試驗報告依據 CNS 3270 要求,已加入 CNS 3158 製品許可差。

2.本試驗報告之試驗地點同實驗室地址。

3.本試驗報告取代 TK-20-00865,原試驗報告作廢,報告修改日期 109 年 03 月 03 日。更正領域別

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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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Laboratory Testing、ISO Certification、Inspection  
No. 9, 14th Rd., Taichung Industrial Park,  
Taichung 40755, Taiwan, R.O.C.  
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**TK-20-00865**





材料暨工程實驗室-台中

## 試驗報告



報告號碼：TK-21-05980

頁數：1 OF 1

報告日期：110年12月10日

喬城實業有限公司

產品名稱：不銹鋼導盲釘

送驗廠商：喬城實業有限公司

收件日期：110年11月25日

試驗日期：110年11月25日~110年12月06日

備註：1.以上資料由顧客提供(收件及試驗日期除外)

2.除非另有說明，此報告結果僅對測試之樣品負責

未經本公司事先書面同意，此報告不可部分複製

3.下述報告內容標示#處由顧客提供

本實驗室依據顧客所提供之試驗需求與樣品進行試驗，結果說明如下：

試驗需求：鹽霧試驗

試驗方法：CNS 8886(2002)

試驗結果：

鹽霧試驗

|        |              |
|--------|--------------|
| 樣品名稱   | 鹽水噴霧8小時後     |
| 不銹鋼導盲釘 | 測試件表面無腐蝕現象產生 |

註：

1.下列為鹽水噴霧試驗相關條件：

- |                                  |                                             |
|----------------------------------|---------------------------------------------|
| (1)試驗液使用之鹽                       | : 一級試藥                                      |
| (2)採取溶液濃度                        | : 5 w/v % NaCl                              |
| (3)試驗液使用之水                       | : 純水                                        |
| (4)噴霧之暴露區溫度 (°C)                 | : 35.0±2.0                                  |
| (5)噴霧量 (ml/h/80cm <sup>2</sup> ) | : 1.6(Avg.)                                 |
| (6)供給空氣壓力 (kgf/cm <sup>2</sup> ) | : 1.0 (Avg.)                                |
| (7)洗淨方式                          | : 試驗前維持客戶送樣時之狀態<br>: 試驗後以15~40°C溫水沖洗刷後擦拭並乾燥 |
| (8)採取溶液pH值                       | : 6.7 (Avg.)                                |
| (9)試體支撐方式                        | : 懸吊                                        |
| (10)保護方式種類                       | : 無                                         |
| (11)測試儀器                         | : WEISS SC450                               |

2.本試驗報告之試驗地點同實驗室地址。

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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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## 試驗報告



報告編號:TK-21-06474

頁次:1 OF 1

報告日期:111 年 01 月 03 日

喬城實業有限公司

產品名稱: 316 不銹鋼導盲釘  
 供應廠商: 喬城實業有限公司  
 送驗廠商: 喬城實業有限公司  
 收件日期: 110 年 12 月 22 日  
 試驗日期: 110 年 12 月 22 日~110 年 12 月 30 日  
 備註: 1.以上資料由顧客提供(收件及試驗日期除外)  
 2.除非另有說明,此報告結果僅對測試之樣品負責  
 未經本公司事先書面同意,此報告不可部分複製  
 3.下述報告內容標示#處由顧客提供

本實驗室依據顧客所提供之試驗需求與樣品進行試驗,結果說明如下:

試驗需求:成份分析

產品規範:CNS 3270(2016) 316 類,CNS 3158(2008)

試驗方法:CNS 10006(1984)

試驗結果:

成份分析

| #試件名稱      | C     | Si    | S      | P      | Mn    | Ni         | Cr          | Mo        |
|------------|-------|-------|--------|--------|-------|------------|-------------|-----------|
| ----       | %     | %     | %      | %      | %     | %          | %           | %         |
| 316 不銹鋼導盲釘 | 0.03  | 0.46  | 0.023  | 0.025  | 1.65  | 10.29      | 17.15       | 1.97      |
| #規範要求      | ≤0.09 | ≤1.05 | ≤0.035 | ≤0.045 | ≤2.04 | 9.85~14.15 | 15.80~18.20 | 1.90~3.10 |

備註: 1.本試驗報告依據 CNS 3270 要求,已加入 CNS 3158 製品許可差。

2.本試驗報告之試驗地點同實驗室地址。



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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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材料暨工程實驗室-台中

## 試驗報告



報告編號：TV-21-04043

頁數：1 OF 2

報告日期：110年12月09日

喬城實業有限公司

產品名稱：不銹鋼導盲釘  
送驗廠商：喬城實業有限公司  
收件日期：110年11月26日  
試驗日期：110年11月26日~110年12月09日  
備註：  
1. 以上資料由顧客提供(收件及試驗日期除外)  
2. 除非另有說明，此報告結果僅對測試之樣品負責  
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3. 下述報告內容標示#處由顧客提供

本實驗室依據顧客所提供之試驗需求與樣品進行試驗，結果說明如下：

試驗需求：

摩擦係數

試驗方法：

摩擦係數-ASTM D1894-14

Static and Kinetic Coefficients of Friction of Plastic Film and Sheeting (C-Type)

試驗結果：

- 請詳附件 -

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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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## 試驗報告



報告編號：TV-21-04043

頁數：2 OF 2

報告日期：110年12月09日

## 試驗設備：

| 儀器名稱  | 廠牌      | 型號   |
|-------|---------|------|
| 萬能試驗機 | INSTRON | 3369 |

## 試驗條件：

1. 試驗速率：150±30 mm/min
2. 試驗環境：20±2℃ / 65±5%RH
3. 摩擦介面：橡膠(Shore Type A 60±5)
4. 砝碼+試樣重量：248.35g
5. 試驗狀態：乾式

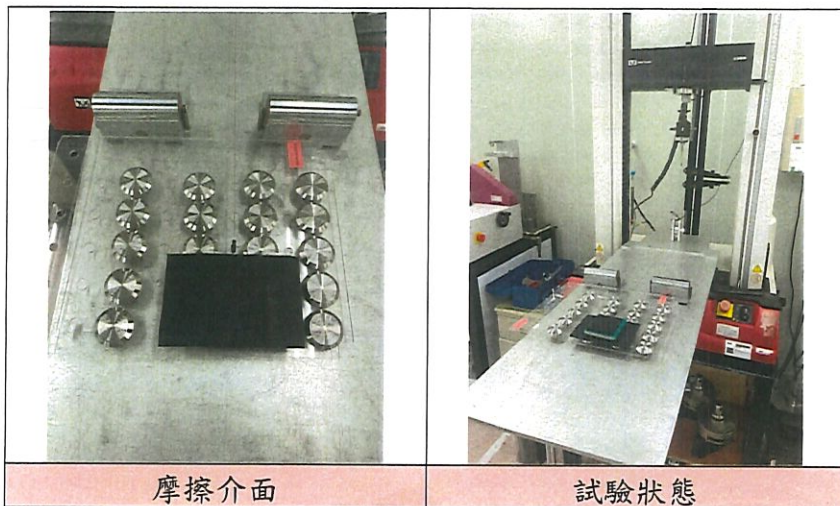
## 試驗結果：

| 試驗項目 | 結果             |
|------|----------------|
| 摩擦係數 | 1.02 (s=0.031) |

註：1. 「s」係為標準差

2. 本試驗報告之試驗地點同實驗室地址

## 試驗照片：



摩擦介面

試驗狀態

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