

檢 測 報 告

報告編號：A102CS0254

製作日期：102年10月29日

委託顧客名稱：三香科技股份有限公司

地 址：74341-台南市山上區明和里北勢洲26號

執行單位：零組件檢測實驗室

檢測項目：190車輛內裝材料難燃性要求

檢測類別：法規檢測

委託件名稱：車輛內裝材料

廠牌型號：三香科技股份有限公司/SAP Silencer

本報告含附頁2頁共3頁。

本報告未得到本中心書面同意，不得任意摘錄複製使用，但全文複製除外。

本檢測結果僅對受測產品負責。



財團法人 車輛研究測試中心

Automotive Research & Testing Center

地址：彰化縣鹿港鎮505彰濱工業區鹿工南七路6號 TEL:(04)7811222 (代表號)

Address: No.6, Lugong S. 7th Rd., Lugang Town, Changhua County 50544, Taiwan R.O.C FAX:(04)7811333 • 7811777

檢測報告

報告編號：A102CS0254

檢測類別：法規 非法規

檢測項目：190車輛內裝材料難燃性要求

附頁頁次：第 1 頁 共 2 頁

委託件識別資料

型式系列：SAP Silencer

型式名稱：SAP Silencer

檢測條件

實驗室溫度：常溫 濕度：常濕

待測件檢測前狀況

試片編號	型式名稱	長度(mm)	寬度(mm)	厚度(mm)
1	SAP Silencer	350	103	11
2	SAP Silencer	350	103	11
3	SAP Silencer	350	103	11
4	SAP Silencer	350	103	11
5	SAP Silencer	350	103	11

檢測標準及程序

依車輛安全檢測基準執行檢測(99年06月19日版)

1. 試片靜置於溫度 $23\pm 2^{\circ}\text{C}$ 及相對溼度 $50\pm 5\%$ 下，24小時。
2. 本生燈管口內徑9.5mm，垂直放置火燄高度38mm。
3. 試片固定於燃燒試驗機內，置於火燄上15秒鐘，火燄自動熄滅。
4. 燃燒速率計算式： $B=60\times(\text{燃燒距離}/\text{燃燒時間})$
5. 使用燃料：甲烷

檢測儀器

- 燃燒試驗機(HUNG TA-8655, Taiwan)
 燃燒試驗機(HT-8655MV, Taiwan)
 恆溫恆濕排煙櫃(TIEH MU JEN Type TMJ-900822)
 可程式恆溫恆濕試驗機(TAICHY Type MHU-408NBDW S/N: 960431)

檢測結果

1. 燃燒距離、燃燒時間、燃燒速率之測試結果如下表：

試片編號	型式名稱	燃燒距離(mm)	燃燒時間(s)	是否焦黑	燃燒狀況是否良好	燃燒速率(mm/min)	判定
1	SAP Silencer	0	0	-	-	0	<input checked="" type="checkbox"/> 合格 <input type="checkbox"/> 不合格
2	SAP Silencer	0	0	-	-	0	
3	SAP Silencer	0	0	-	-	0	
4	SAP Silencer	0	0	-	-	0	
5	SAP Silencer	0	0	-	-	0	

註:1. *代表材料於開始計時後60秒內停止燃燒，且燃燒距離未超過51mm，視為合格。

2. 材料於開始計時後5分鐘內尚未燃燒至試片末端，則應以U型鐵架碰觸燃燒位置強制將燃燒停止，並記錄其燃燒速率。

2. 試片燃燒前後之狀況請參考圖一、圖二所示。

備註

1. 檢測結果：符合車輛安全檢測基準「190車輛內裝材料難燃性要求」。

2. 試驗執行日期：中華民國102年10月23日~102年10月25日。

林育新
報告簽署人

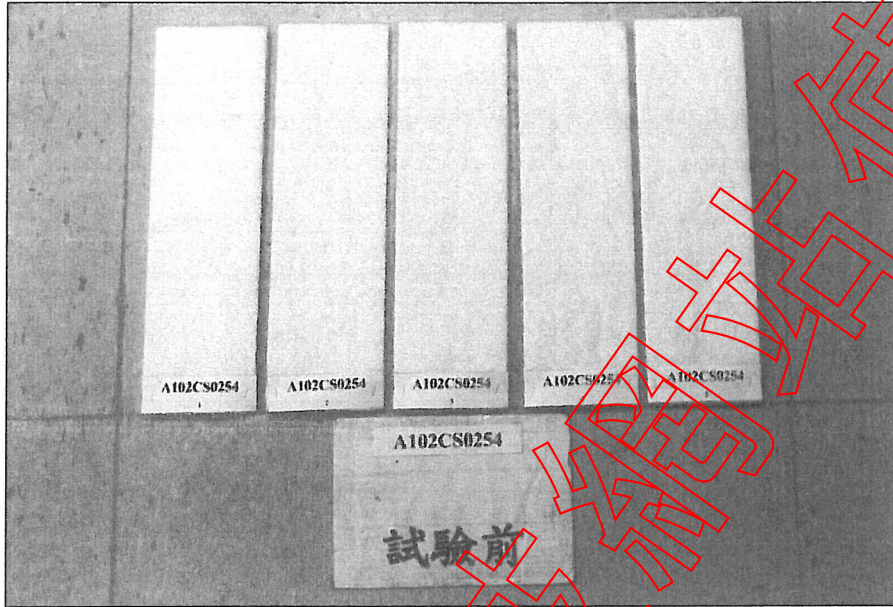
檢測報告

報告編號：A102CS0254

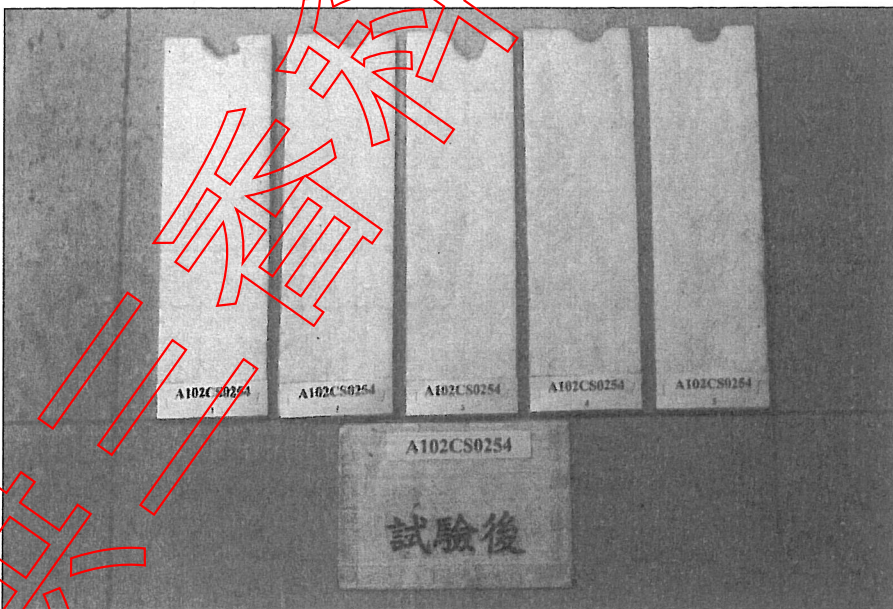
檢測項目：190車輛內裝材料難燃性要求

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圖一、燃燒前，試片之狀況



圖二、燃燒後，試片之狀況

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TEST REPORT

Report No. : A102CS0254

Report Date : Oct. 29, 2013

Customer : SAN SHIANG TECHNOLOGY CO., LTD.

Address : No. 26, Pei Shi Chou, Ming Ho Village, Shan Shang Dist, Tainan City, 74341, Taiwan

Test Lab. : Component Test Lab.

Test Item : 190 Flammability of the interior materials for motor vehicle

Testing Category : Regulation

Product : Interior Materials For Automobiles

Model : SAN SHIANG TECHNOLOGY CO., LTD/SAP Silencer

THIS REPORT CONSISTED OF 3 PAGES IN TOTAL WHICH INCLUDING 1 COVER PAGE.
NON-PART OF THIS REPORT MAY BE ABSTRACTED OR REPRODUCED WITHOUT AUTHORIZATION.
THE TEST RESULT OF THIS REPORT APPLIED ONLY TO THE TESTED SUBJECT.



財團法人 車輛研究測試中心

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Address : No.6, Lugong S. 7th Rd., Lugang Town, FAX:(04)7811333 • 7811777
Changhua County 50544, Taiwan R.O.C

Test Report

Report No. : A102CS0254

Test Category : Regulation Non-regulation

Test Item : 190 Flammability of the interior materials for motor vehicle

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Product Identification Information :

Type(Series) : SAP Silencer

Variant/Version : SAP Silencer

Laboratory Environments

Ambient temperature and humidity

Initial Condition of Test Specimens

Series No.	Variant/Version	Length (mm)	Width (mm)	Thickness (mm)
1	SAP Silencer	350	103	11
2	SAP Silencer	350	103	11
3	SAP Silencer	350	103	11
4	SAP Silencer	350	103	11
5	SAP Silencer	350	103	11

Test Standard and Procedure

According to Vehicle Safty Testing Directions(Date of revision: Jun. 19, 2010)

- 1.The samples were taken and placed at temperature of $23\pm 2^{\circ}\text{C}$ and at relative humidity of $50\pm 5\%$ for 24 hour.
- 2.The small flame source is provided by a Bunsen burner having an internal diameter 9.5 mm and the gas flame is adjusted to height of 38 mm.
- 3.The sample holder is pushed into the combustion chamber so that the end of the sample is exposed to the flame and after 15s the gas flow is cut off.
- 4.The burning rate "B" is given by the formula : $B = (D/T) \times 60$
- 5.Test gas : Methane

Test Equipment

- Combustion chamber(HUNG TA-8655 , Taiwan)
 Combustion chamber(HT-8655MV , Taiwan)
 Temperature/Humidity Test Chamber(TIEH MU JEN Type TMJ-900822)
 Temperature/Humidity Test Chamber(TAICHY Type MHU-408NBDW S/N : 960431)

Test Result :

- 1.The test results of burnt distance, burnt time and burning rate are shown as the following table.

Series No.	Variant/Version	burnt distance (mm)	burnt time(s)	whether the sample is charred (Y/N)	whether the burning state is good (Y/N)	burning rate (mm / min)	Result
1	SAP Silencer	0	0	-	-	0	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Not pass
2	SAP Silencer	0	0	-	-	0	
3	SAP Silencer	0	0	-	-	0	
4	SAP Silencer	0	0	-	-	0	
5	SAP Silencer	0	0	-	-	0	

- * 1.If a material stops burning before it has burned for 60 seconds from the start of timing , and has not burned more than 51mm from the point where the timing was started,the test results are pass.
2.If a material at start time within 5 minutes after the specimen has not been burned to the end, use a U-shaped metal frame forcibly touching the burner stops burning position and record the combustion rate.
2.The test results of sample burnt condition are showed on page 2.

Note:

1. Test Result: The samples conform to vehicle safety testing directions "190 Flammability of the interior materials for motor vehicle"
2. The original test report in the Chinese language shall prevail.
3. Testing date : Oct. 23,2013~Oct. 25,2013

Chan-Neng Lin
Signatory of Laboratory

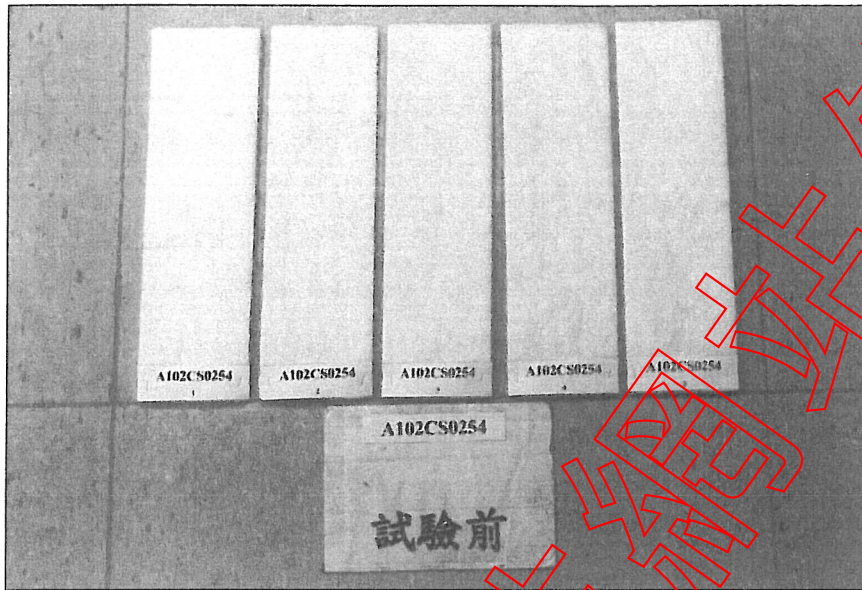
Test Report

Report No. : A102CS0254

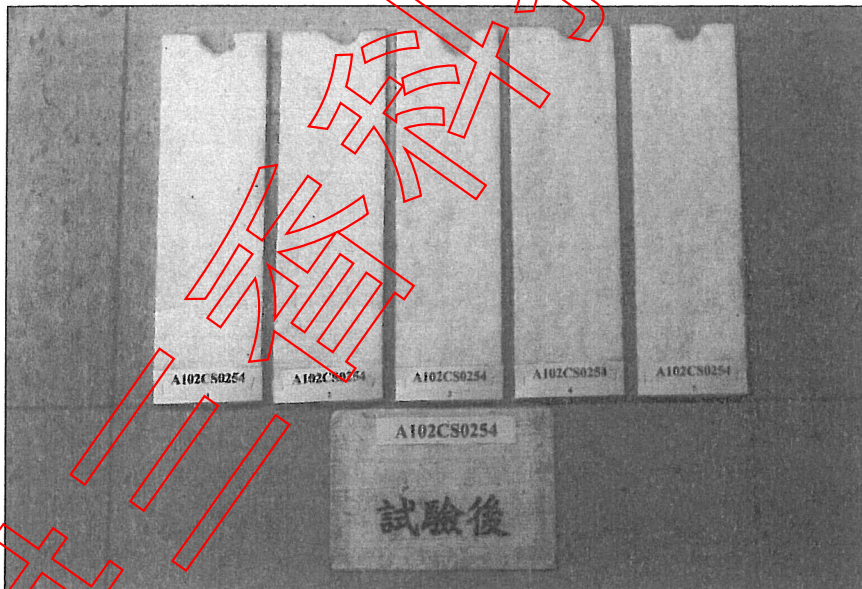
Test category : Regulation Non-regulation

Test Item : 190 Flammability of the interior materials for motor vehicle

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The sample condition before burnt



The sample condition after burnt

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