

## Test Report 測試報告

Applicant: Giant Seal Industrial Co., Ltd.  
申請廠商 銘堅有限公司  
No. 828, Mingsheng St.,  
Sioushuei Township, Changhua County 504,  
Taiwan, R.O.C.  
彰化縣秀水鄉民生街 828 號

Number : TWNH00089080  
報告號碼

Issue Date : Apr 22, 2021  
報告發行日期

### Sample Description 樣品敘述:

One (1) Group of Submitted Samples Said To Be :

以下測試樣品乃供應商所提供及確認 :

Sample Description : 汽車腳踏墊

樣品名稱

Style / Item No. : TPE 材料

產品型號

Brand Name : M8

品牌

Country of Origin : 中國

原產地

Buyer's Name : GIANT SEAL IND CO., LTD.

買家名稱 銘堅有限公司

Date Sample Received : Apr 08, 2021

收件日期

Date Test Started : Apr 08, 2021

開始測試日期

### Test Conducted 測試執行:

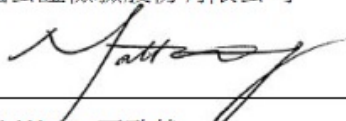
As requested by the applicant, for details please refer to attached pages.

依申請商之要求, 細節請參考附頁.

Authorized By 審核者:

On behalf of Intertek Testing Services  
Taiwan Limited

全國公證檢驗股份有限公司

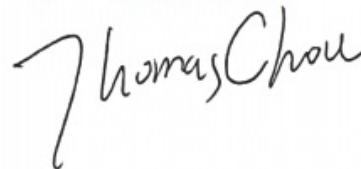


Matt Wang 王政雄

Director 協理



Signed by 報告簽署人:



Thomas Chou 周世民

Manager 經理



Test Conducted 測試內容 :

**Volatile Organic Solvent 揮發性有機溶劑**

Test Result Summary 測試結果:

Test Item 測試項目	Unit 單位	Test Method 測試方法	Result 結果	RL
			Black soft plastic	
<b>Volatile Organic Solvent (VOCs) 揮發性有機溶劑</b>				
1,2-Dibromoethane 1,2-二溴乙烷 (106-93-4)	ppm	With reference to USEPA 5021A / 8260C and determined by GC-MS linked with Headspace. 參考 USEPA 5021A / 8260C , 以氣相層析質譜儀連接頂空進樣器分析。	ND	1
1,1,1,2-Tetrachloroethane 1,1,1,2-四氯乙烷 (630-20-6)	ppm		ND	1
1,1,1-Trichloroethane 1,1,1-三氯乙烷 (71-55-6)	ppm		ND	1
1,1,2,2-Tetrachloroethane 1,1,2,2-四氯乙烷 (79-34-5)	ppm		ND	1
1,1,2-Trichloroethane 1,1,2-三氯乙烷 (79-00-5)	ppm		ND	1
1,1-Dichloroethane 1,1-二氯乙烷 (75-34-3)	ppm		ND	1
1,1-Dichloroethene 1,1-二氯乙烯 (75-35-4)	ppm		ND	1
1,1-Dichloropropene 1,1-二氯丙烯 (563-58-6)	ppm		ND	1
1,2,3-Trichlorobenzene 1,2,3-三氯苯 (87-61-6)	ppm		ND	1
1,2,3-Trichloropropane 1,2,3-三氯丙烷 (96-18-4)	ppm		ND	1
1,2,4-Trichlorobenzene 1,2,4-三氯苯 (120-82-1)	ppm		ND	1
1,2,4-Trimethylbenzene 1,2,4-三甲苯 (95-63-6)	ppm		ND	1
1,2-Dibromo-3-chloropropane 1,2-二溴-3-氯丙烷 (96-12-8)	ppm		ND	1
1,2-Dichlorobenzene 1,2-二氯苯 (95-50-1)	ppm		ND	1
1,2-Dichloroethane 1,2-二氯乙烷 (107-06-2)	ppm		ND	1
1,2-Dichloropropane 1,2-二氯丙烷 (78-87-5)	ppm		ND	1
1,3,5-Trimethylbenzene 1,3,5-三甲基苯 (108-67-8)	ppm		ND	1
1,3-Dichlorobenzene 1,3-二氯苯 (541-73-1)	ppm		ND	1
1,3-Dichloropropane 1,3-二氯丙烷 (142-28-9)	ppm	ND	1	
1,4-Dichlorobenzene 1,4-二氯苯 (106-46-7)	ppm	ND	1	



Test Conducted 測試內容 :

Test Item 測試項目	Unit 單位	Test Method 測試方法	Result 結果	RL
			Black soft plastic	
<b>Volatile Organic Solvent (VOCs) 揮發性有機溶劑</b>				
2,2-Dichloropropane 2,2-二氯丙烷 (594-20-7)	ppm	With reference to USEPA 5021A / 8260C and determined by GC-MS linked with Headspace. 參考 USEPA 5021A / 8260C , 以氣相層析質譜儀連接頂空進 樣器分析。	ND	1
2-Chlorotoluene 2-氯甲苯 (95-49-8)	ppm		ND	1
4-Chlorotoluene 4-氯甲苯 (106-43-4)	ppm		ND	1
Benzene 苯 (71-43-2)	ppm		ND	1
Bromobenzene 溴苯 (108-86-1)	ppm		ND	1
Bromochloromethane 溴氯甲烷 (74-97-5)	ppm		ND	1
Bromodichloromethane 一溴二氯甲烷 (75-27-4)	ppm		ND	1
Bromoform 溴仿 (75-25-2)	ppm		ND	1
Carbon tetrachloride 四氯化碳(四氯甲烷) (56-23-5)	ppm		ND	1
Chlorobenzene 氯苯 (108-90-7)	ppm		ND	1
Chlorodibromomethane 一氯二溴甲烷 (124-48-1)	ppm		ND	1
Chloroethane 氯乙烷 (75-00-3)	ppm		ND	1
Chloroform 氯仿 (67-66-3)	ppm		ND	1
<i>cis</i> -1,2-Dichloroethene 順-1,2-二氯乙烯 (156-59-2)	ppm		ND	1
<i>cis</i> -1,3-Dichloropropene 順-1,3-二氯丙烯 (10061-01-5)	ppm		ND	1
Dibromomethane 二溴甲烷 (74-95-3)	ppm		ND	1
Dichlorodifluoromethane 二氟二氯甲烷 (75-71-8)	ppm		ND	1
Dichloromethane 二氯甲烷 (75-09-2)	ppm		ND	1
Ethylbenzene 乙苯 (100-41-4)	ppm		ND	1
Hexachloro-1,3-butadiene 六氯-1,3-丁二烯 (87-68-3)	ppm		ND	1
Isopropyl benzene 異丙苯 (98-82-8)	ppm	ND	1	
Methyl bromide 溴甲烷 (74-83-9)	ppm	ND	1	
Methyl chloride 氯甲烷 (74-87-3)	ppm	ND	1	
<i>m</i> -Xylene 間-二甲苯 (108-38-3)	ppm	ND	1	
Naphthalenes 萘 (91-20-3)	ppm	ND	1	
<i>n</i> -Butyl benzene 正-丁基苯 (104-51-8)	ppm	ND	1	



Test Conducted 測試內容 :

Test Item 測試項目	Unit 單位	Test Method 測試方法	Result 結果	RL
			Black soft plastic	
<b>Volatile Organic Solvent (VOCs) 揮發性有機溶劑</b>				
<i>n</i> -Propyl benzene 正-丙苯 (103-65-1)	ppm	With reference to USEPA 5021A / 8260C and determined by GC-MS linked with Headspace. 參考 USEPA 5021A / 8260C，以氣相層析質譜儀連接頂空進樣器分析。	ND	1
<i>o</i> -Xylene 鄰-二甲苯 (95-47-6)	ppm		ND	1
<i>p</i> -Isopropyl toluene 對-異丙基甲苯 (99-87-6)	ppm		ND	1
<i>p</i> -Xylene 對-二甲苯 (106-42-3)	ppm		ND	1
<i>sec</i> -Butyl benzene 第二丁苯 (135-98-8)	ppm		ND	1
Styrene 苯乙烯 (100-42-5)	ppm		ND	1
<i>tert</i> -Butyl benzene 叔丁基苯 (98-06-6)	ppm		ND	1
Tetrachloroethene 四氯乙烯 (127-18-4)	ppm		ND	1
Toluene 甲苯 (108-88-3)	ppm		ND	1
<i>trans</i> -1,2-Dichloroethene 反-1,2-二氯乙烯 (156-60-5)	ppm		ND	1
<i>trans</i> -1,3-Dichloropropene 反-1,3-二氯丙烯 (10061-02-6)	ppm		ND	1
Trichloroethene 三氯乙烯 (79-01-6)	ppm		ND	1
Trichlorofluoromethane 三氯一氟甲烷 (75-69-4)	ppm		ND	1

Remarks: ppm = Parts per million based on weight of tested sample = mg/kg  
備註 百萬分之一，依據測試樣品重量計算 = 毫克/公斤  
ND = Not detected 未檢測出  
RL = Reporting limit, quantitation limit of analyte in sample  
報告極限，測試樣品之定量偵測極限

Responsibility of Chemist 分析人員 : Vita Fu

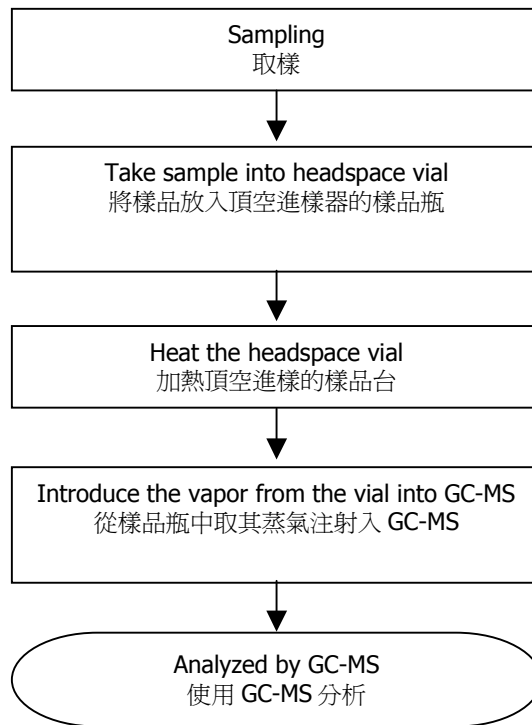
Date Sample Received 樣品收件日期 : Apr 09, 2021  
Test Period 樣品測試期間 : Apr 09, 2021 to Apr 15, 2021



Test Conducted 測試內容 :

Measurement Flowchart 測試流程圖:

Test for Volatile Organic Solvent (VOCs) 揮發性有機溶劑  
Reference Method 參考方法 : USEPA 5021A / USEPA 8260C



Sample photo 樣品照片:



End of Report

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**Reporting Statements of Conformity:** Please note that the test results contain statement of conformity with the decision rules which are based on the specifications of customers, regulations and standards, and does not consider measurement uncertainty.

