



設計驗證
工程課
2025 -10- 07
發行

# 承　　認　　書

## SPECIFICATION　FOR　APPROVAL

客戶:鈺緯科技開發股份有限公司

品名:CR-2030B 單背 3M8010

規格:2T 含膠*52.5mm*32.14mm

料號: 3MD695SP010 (M3523)

設計驗證
工程課
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鈺緯科技開發股份有限公司

| 主　管 | 審　查 | 製　作 |
|---|---|---|
| 游鈺衡 | 游鈺崧 | 王瀞融 |

俐　元　企　業　股　份　有　限　公　司

俐　誠　企　業　股　份　有　限　公　司

LI YUN　ENTERPRISE CO., LTD.

LI CHENG ENTERPRISE CO., LTD.

地　址：新　北　市　樹　林　區　三　龍　街　２０－１　號

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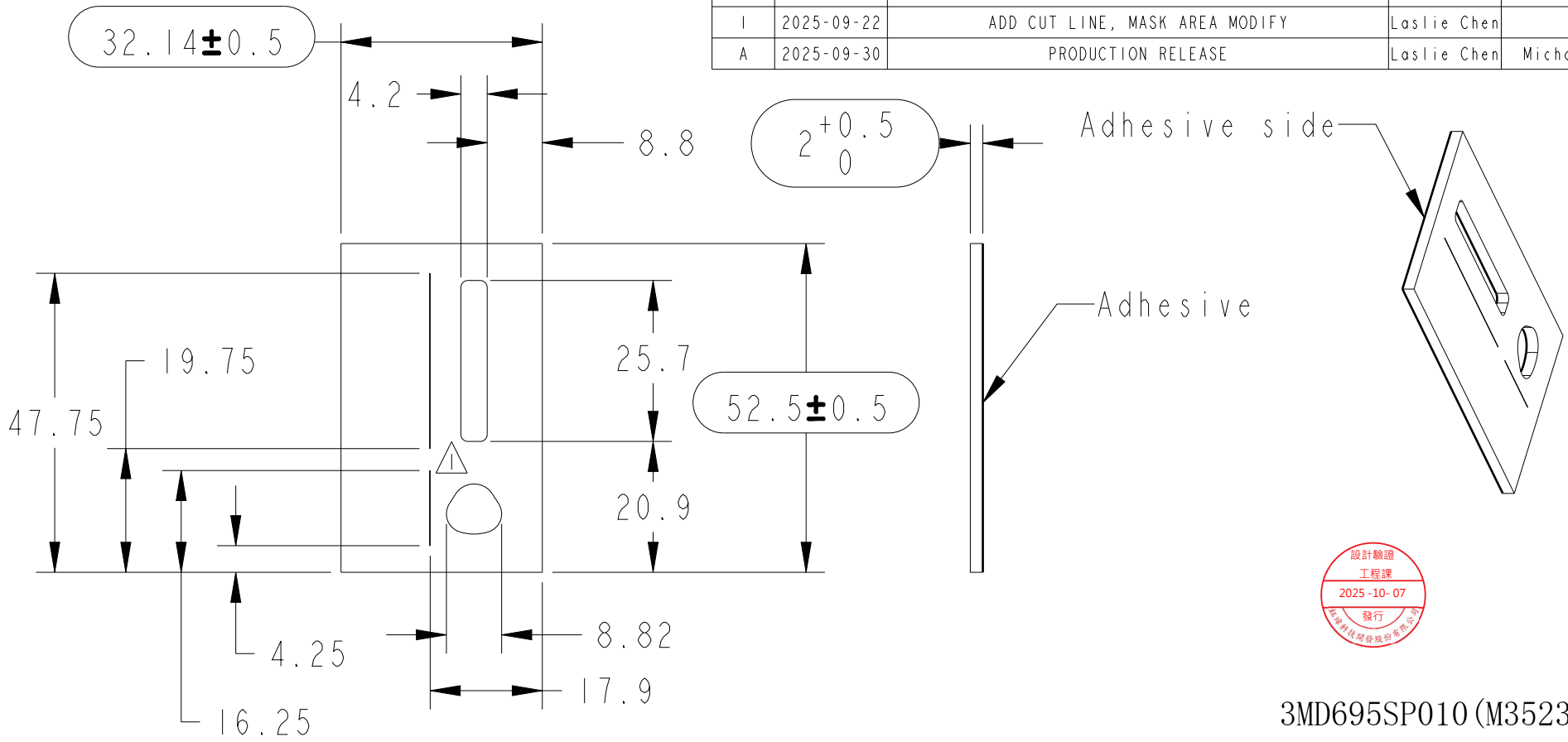
中　華　民　國 114 年 09 月 09 日

俐元企業股份有限公司

| REV | DATE | DESCRIPTION | DRAFT | APPROVED |
|---|---|---|---|---|
| 0 | 2025-05-13 | INITIAL RELEASE | Laslie Chen | |
| 1 | 2025-09-22 | ADD CUT LINE, MASK AREA MODIFY | Laslie Chen | |
| A | 2025-09-30 | PRODUCTION RELEASE | Laslie Chen | Michael |






設計驗證 工程課 2025-10-07 發行

3MD695SP010(M3523)

NOTE:
1. MATERIAL: CR2030 T=2.0, BLACK.
2. ADHESIVE: 3M 8010.
3. PRODUCTION BY DIE-CUT MOLD.
4. RoHS COMPLIANT.

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE IN MM.
TOLERANCES:

.X = ± 0.5
.XX = ± 0.30
.XXX = ± 0.150
ANGLE = ± 1.0°

INTERPRET DIM AND TOL
PER ASME Y14.5-2009

THIRD ANGLE PROJECTION

| | | | | | | |
|---|---|---|---|---|---|---|
| MATERIAL: CR2030 | FINISH: | DIVA Laboratories. Ltd. | | | | |
| DRAWN BY: Laslie Chen 2025-05-13 | | PART NAME: SPONGE SPACER | | | | |
| CHECKED BY: Ferris Tsai 2025-09-22 | | PART NUMBER: 3MD695SP010 | MFG. PART NUMBER: NA | | | |
| APPROVED BY: Michael Young 2025-09-30 | | MODEL NAME: VM15 | SIZE: A4 | SCALE: 1:1 | SHEET: 1 OF 1 | REV: A |
| FILE NAME: 027_216_MASK_BADGE | APPROVED NO.: | THIS DOCUMENT IS SUPPLIED IN CONFIDENCE. NO REPRODUCTION OF THIS DOCUMENT IN PART OR IN WHOLE OR THEREON OF THE ITEMS SHOWN MAY BE MADE WITHOUT THE COPYRIGHT OWNERS WRITTEN PERMISSION. | | | | |

# 俐元企業股份有限公司
# 俐誠企業股份有限公司

## 成品出廠檢驗表

表單編號：FM-42A

| 客戶名稱 | 鈺緯科技開發股份有限公司 | 訂單號碼 | | | | 交貨數量 | | |
|---|---|---|---|---|---|---|---|---|
| 料號 | 3MD695SP010 | 品名規格 | CR-2030B 單背 3M8010<br>2T(含膠)*52.5mm*32.14mm | | | 檢驗日期 | | |
| 序號 | 規　格 | 檢　驗　值 | | | | | 檢驗結果 | |
| | 依客戶圖面檢驗 | 1 | 2 | 3 | 4 | 5 | OK | NG |
| 1 | 2 T ±0.30 | 2.09 | 2.08 | 2.10 | 2.08 | 2.09 | ✓ | |
| 2 | 52.5 ±0.50 | 52.67 | 52.70 | 52.67 | 52.70 | 52.68 | ✓ | |
| 3 | 32.14 ±0.50 | 32.33 | 32.34 | 32.33 | 32.32 | 32.34 | ✓ | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 10 | | | | | | | | |

主管：　游鈺崧　　品管組長：劉美君　　品檢員：洪筱楓

# CR-2030B 無鹵V0防火泡棉

## 通過UL94-V0防火之橡膠海綿

CR-2030B 屬橡膠海棉（Rubber Sponge)，是密閉式細胞結構，擁有良好的緩衝性。配方採用德國環保阻燃劑，可達到 UL94-V0 最高等級的防火規範且不含有害環保的鹵素。CR-2030B 是適用於耐油、耐高溫、耐燃之工業緩衝材料。

### *產品描述*

1. 軟硬適中，硬度為 20度~30度（Asker C 硬度計)。
2. 獨立式細胞結構，吸水率低於 5%，具有防水效果。
3. 採德國杜邦阻燃劑，環保且通過 UL94-V0 防火。
4. 良好抗化學性、耐油、耐溫性（適用於 -40℃~120℃)。
5. 已廣泛適用於家電、汽車、船舶等緩衝墊片應用。

### *產品特徵*

# 質輕、強韌性
# 絕熱性
# 非吸水性
# 緩衝性
# 耐溫性
# 難燃性
# ROHS環保標準
# 無鹵

### *通過 SGS 環保認證*

RoHS: 有害物質禁用指令
PAHs: 多環芳香烴化合物
PFOS (PFOA): 全氟辛酸/全氟辛磺酸
REACH (SVHC): 歐盟高度關注有害物質
Halogen: 鹵素
Formaldehyde: 甲醛

### *產品規格*

| 物理特性 | 測試方法 | 數值 |
|---|---|---|
| 原版尺寸 厚度x寬x長（mm) | ASTM D 3574 | 32 x 1000 x 1500 |
| 密度（kg/m3) | ASTM D 3574 | 180～230 |
| 25%壓縮力量（kpa) | ASTM D 3574-05 | 61.9～93.2 |
| 壓縮變形率(%), 50%下壓於70℃ 22小時 | ASTM D 3574 | 2.5 |
| 硬度 (Asker C, 度) | ASTM D 2240 | 20~30 |
| 吸水率（%) | ASTM D 1056 | ＜5 |
| 尺寸穩定性(%, 最大變化) | ASTM D 3574 | ±2 |
| 建議長時間溫度, 最高溫<br>建議瞬間溫度, 最高溫 | SAE J-2236<br>ASTM D 746-98 | 100℃<br>120℃ |
| 防火等級（UL94-V0) | UL94-V0 | Pass |

(以上實測數值僅供參考)

# Double Coated PET Tapes

8006(P), 8008(P), 8010(P)

**Technical Data** **Jan, 2021**

**Product Description**

8000 series double-coated film tape features PET carrier, ideal for die cut application and dimension stability, its medium-firm acrylic pressure sensitive adhesive system provide a combination of high performance in adhesion and good shear holding power to a wide variety of materials, including many plastics. 8000 series tape are specially designed for electronic market applications, such as optical management films attachment, foam, isolative film fixing, and system assembly.

**Constructions**

| Product Number | Adhesive Type/ Color[1] | Adhesive Thickness (mm) | Liner Color, Type, Print | Liner Caliper |
|---|---|---|---|---|
| 3M™ 8006 | Acrylic Translucent | 0.06 mm | Blue PET liner with purple 3M logo printing | 0.05mm |
| 3M™ 8006P | Acrylic Translucent | 0.06 mm | White paper liner with blue 3M logo printing | 0.13mm |
| 3M™ 8008 | Acrylic Translucent | 0.08 mm | Blue PET liner with grey 3M logo printing | 0.05mm |
| 3M™ 8008P | Acrylic Translucent | 0.08 mm | White paper liner with blue 3M logo printing | 0.13mm |
| 3M™ 8010 | Acrylic Translucent | 0.10 mm | Blue PET liner with brown 3M logo printing | 0.05mm |
| 3M™ 8010P | Acrylic Translucent | 0.10 mm | White paper liner with blue 3M logo printing | 0.13mm |

[1]The adhesive color is translucent with a very slight yellow cast. The yellow cast is not typically visible in a single adhesive layer.

# 3M™ Double Coated PET Tapes

8006 • 8006P • 8008 • 8008P • 8010 • 8010P

**Typical Physical Properties and Performance Characteristics**

**Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.**

**I. Adhesion to Surfaces (Unit: kgf/in)**

ASTM D3330 modified (180° peel, 2 mil aluminum foil backing)

| Dwell | 8006(P) | 8008(P) | 8010(P) |
|---|---|---|---|
| 20min RT SUS | 2.0 | 2.3 | 2.5 |
| 72 hour RT SUS | 2.5 | 2.8 | 3.1 |
| 20min RT PC | 1.5 | 1.6 | 2.0 |
| 72 hour RT PC | 2.0 | 1.8 | 2.2 |
| 20min RT ABS | 1.6 | 2.1 | 2.3 |
| 72 hour RT ABS | 2.2 | 2.5 | 2.6 |
| 20min RT PP | 1.5 | 1.7 | 1.8 |
| 72 hour RT PP | 2.0 | 2.1 | 2.3 |
| 20min RT PET | | 1.3 | 1.5 |
| 72 hour RT PET | | 1.4 | 1.6 |
| 20min RT Glass | | 2.1 | 2.2 |
| 72 hour RT Glass | | 2.8 | 2.9 |

**II. Relative High Temperature Operating Ranges**

| | |
|---|---|
| Short term (minutes/hours) | 121°C |
| Long term (days/weeks) | 93°C |

**III. Static Shear**

ASTM D3654 - 1" x 1" sample area - aluminum foil to stainless steel

**Minutes to Failure**

| Temperature | Load | 8006(P) | 8008(P) | 8010(P) |
|---|---|---|---|---|
| 22°C | 1Kg | | 10000+ | |

**Application Techniques**

For maximum bond strength (during installation of the final part) the surface should be thoroughly cleaned and dried. Typical cleaning solvents are heptane***** (for oily surfaces) or isopropyl alcohol***** for plastics. Use reagent grade solvents since common household materials like rubbing alcohol frequently contain oils to minimize the drying affect on skin and can interfere with the performance of a pressure-sensitive adhesive.

It is necessary to provide pressure during lamination (1.5-20 pli recommended) and during final part installation (10-15 psi) to allow the adhesive to come into direct contact with the substrate. Using a hard-edged plastic tool, which is the full width of the laminated part, helps to provide the necessary pressure at the point of lamination. Heat can increase bond strength when bonding to metal parts (generally this same increase is observed at room temperature over longer times, weeks). For plastic parts, the bond strength is not enhanced with the addition of heat.

The ideal adhesive application temperature range is 60°F (15.6°C) to 100°F (38°C). Application is not recommended if the surface temperature is below 50°F (10°C) because the adhesive becomes too firm to adhere readily. Once properly applied, at the recommended application temperature, low temperature holding is generally satisfactory.

**Application Ideas**

- Long term bonding of graphic nameplates and overlays ("subsurface" printed polycarbonate or polyester) to metal and high surface energy plastics in the aerospace, medical and industrial equipment, automotive, appliance and electronic markets.
- Bonding metal nameplates and rating plates in the aerospace, medical and industrial equipment, automotive, appliance and electronic markets.
- Bonding graphic overlays for membrane switches and for bonding the complete switch to the equipment surface.
- High speed processing of parts in the medical, telecommunications and electronics markets (medical components, durable labels, flexible circuits).
- Lamination to industrial foams for rotary die-cutting of small gaskets for industrial and electronics markets.

# 3M™ Double Coated PET Tapes

8006 • 8006P • 8008 • 8008P • 8010 • 8010P

| | |
|---|---|
| **Shelf Life** | To obtain best performance, store under normal conditions of 21°C and 50% R.H. in the original carton and follow the shelf life shown on Certification of Analysis (COA) |
| **Product Use** | Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application. |
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| **Limitation of Liability** | Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability. |

ISO 9001: 2015

This EDB product was manufactured under a 3M quality system registered to ISO 9001: 2015 standards.

3M

**Electric Device Assembly**
3M Taiwan

# 物质安全(MSDS)资料表

## 一、物品名称与厂商资料

| |
|---|
| 物品名称:CR-2030B 橡胶海绵 |
| 物品编号:YXJCR002048 |
| 制造商或供应商名称地址及电话: 世紀創造（國際）有限公司:<br>東莞市高埗鎮冼沙四二工業區世紀創造工業園<br>0769-81338788 |
| 紧急联络电话/传真电话: TEL:0769-81338788<br>FAX:0769-81339898 |

## 二、成分辨识资料

纯物质

| |
|---|
| 中英文名称:三元乙丙与二元乙丙共聚合+氯丁橡胶(二，三元 EPDM+CR) |
| 同义名称:CR 橡胶海绵 |
| 组成份百分比(%):橡胶≧50%, 其他≦50% |
| 化学文摘社登记号码:（CAS NO）：9006-03-5 |
| 危害物质成分(成份百分比):100%非危害体。 |

混合物:CAS.NO

| |
|---|
| 化学性质:二三元乙丙(EPDM)CAS：（23627-24-9）：40%， 氯丁胶(CR)CAS：（9010-98-4）：10%， 滑石粉(CaC03)CAS：（14807-96-6）： 17%， 补强碳黑(N-550)CAS：（1333-86-4）：10%， 发泡剂(H-8088)CAS：（80-51-3）： 2%， 发泡助剂 ADC:CAS:(101-25-7): 1.5%, 硫化剂 S-80CAS:(7704-34-9): 1.5%, 高效环保复合（FIameretardant）阻燃剂 SA-1 CAS：（20208-95-1）：18% |

| 化学物质成分之中英文名称 | 浓度或浓度范围(成分百分比) | 危害物质分类及图式 |
|---|---|---|
| Compound body mixture | 生产过程中会有 5%以下的粉尘产生 | 无 |

## 三、危害辨识资料:

| | |
|---|---|
| 最重要危害与效应 | 健康危害效应: 未发现 CR-2030B 橡胶海绵含 PAH 与人类致癌物相关显示资料。 |
| | 环境影响: CR-2030B 不溶于水，属于固体物，不会对环境造成较大影响。 |
| | 物理性能及化学性危害: 若与其它混合物体 300℃以上的温度燃烧中可能会产生烟雾，但不会燃烧 |
| | 特殊危害:混合其它燃烧物产生烟雾。 |
| 主要症状: 和其他可燃物混合燃烧，烟雾过大，可能会释放出一氧化碳，二氧化碳。会对人体眼部刺激或呼吸系统造成短暂的不舒服 | |
| 物品危害分类: 无 | |

## 四、急救措施:

不同暴露途径之急救方法

- 吸入:否需要/食入:不需要
- 皮肤接触:接触 CR-2030B 高分子发泡材料不必惊慌，它本身对人体无害之处。如不放心，用清水冲洗即可.

| |
|---|
| ● 眼睛接触:清水冲洗即可。 |
| 最重要症状及危害效应: 制作过程中所产生的粉尘和橡胶胶味，刚接触者可能会对橡胶味不适。最好保持工作环境通风。 |
| 对急救人员之防护:不需要 |
| 对医师之提示:不需要 |

## 五、灭火措施:

| |
|---|
| 适用灭火剂:水、化学干粉、二氧化碳、泡沫,沙子. |
| 灭火时可能遭遇之特殊危害:有部份烟雾产生，戴上防护面具。 |
| 特殊灭火程序:用湿毛巾捂住口鼻。<br>消防人员之特殊防护设备:防护面具。 |
| 燃烧产物;二氧化碳、水.在不完全燃烧下可能产生一氧化碳、碳氢化合物、醛类、酮类和乙酸等物质. |

## 六、泄漏处理方法

| |
|---|
| 个人应注意事项:无 |
| 环境注意事项:填埋，或焚烧。 |
| 清理方法:无特别要求 |

## 七、安全处置与储存方法

| |
|---|
| 处置:可提供通风良好之工作场所来避免吸入，加工过程所产生之烟尘,另可视需求,将加工过程中所产生之粉尘,以有效之方法加以吸收移除. 应避免粉尘扩散于大气中. |
| 储存:<br>1. 储存于通风良好处,避免阳光直射.<br>2. 远离热源、引火源、可燃物及不相容物.<br>3. 储区须时常清扫并结构适宜,以避免粉尘积垒. |

## 八、暴露预防措施

| |
|---|
| 工程控制: 制作时尽量保持环境通风。 |
| 控制参数: -<br>●<br>● 生物指标:LD50:_ |
| 个人防护设备:<br>● 呼吸防护: 口罩<br>● 手部防护: 无尘手套<br>● 眼睛防护: ---<br>● 皮肤及身体防护:不需要 |
| 卫生措施:不需要 |

## 九、物理及化学性质

| | |
|---|---|
| 物质状态:固体 | 形状:固体（块状） |
| 颜色:黑色 | 气味:轻微胶气味 |
| pH 值:-(0.1M) | 作火点/沸点范围: 380℃-450 ℃ |
| 分解温度:--- | 闪火点: 燃烧后成碳 |

| | |
|---|---|
| | 测试方法；□开杯　　■闭杯 |
| 自燃温度:阻燃级别：94-V0 （经国际认证机构认证） | 爆炸界限:　　-　　% |
| 大气压力:101。1KPa | 气密度:　-　　(Air=1.0) |
| 密度:160±50 kg/$m^3$ | 溶解度:　　-　　g/L |

## 十、安定性及反应性

| |
|---|
| 安定性:常温下极安定. |
| 特殊状况下可能之危害反应: 无 |
| 应避免之状况:须避免暴露于超出较强紫外线长期存储. |
| 应避免之物质:　无 |
| 危害分解物:　　无 |

## 十一、毒性资料

| |
|---|
| 急毒性:无 |
| 局部效应:无 |
| 致敏感性:无 |
| 慢毒性或长期毒性:无 |
| 特殊效应:无 |

## 十二、生态资料

| |
|---|
| 可能之环境影响/环境流失:<br>此项产品无法被生物分解,但可经适当之方式予以回收再利用.它不含铅、汞、镉、铬等添加物或复合物.也不含石棉、氟氯烃化物、卤化物.也不是水的污染物.在阳光中之紫外线照射下劣化之速率相当缓慢. |

## 十三、废弃处置方法

| |
|---|
| 废弃处置方法:<br>1.　需遵守现行中央、省及地方政府之相关法规.<br>2.　通常状况下可用掩埋或焚烧方式处理;亦可以熔融或制粒方式回收. |

## 十四、运送资料

| |
|---|
| 国际运送规定:根据 RIR-ADR、IMO、IATA、IMDG、FS A11 此物质无危险性. |
| 联合国编号:无 |
| 国内运送规定:根据中央和地方法规 |
| 特殊运送方法及注意事项:无 |

## 十五、法规资料

| |
|---|
| 适用法规:无 |

## 十六、其他资料

| | |
|---|---|
| 参考文献 | ----- |
| 制表单位 | 世纪创造(国际)有限公司<br>品质部，技术部，生产部。 |
| | 地址/电话: 東莞市高埗鎮冼沙四二工業區世紀創造工業園<br>0769-81338788 |
| 制表日期 | 2023.07.12 |

| | |
|---|---|
| 备注 | 上述资料仅供参考,请使用者根据应用要求自行判断及使用性。 |

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| | | | |
|---|---|---|---|
| **Document Group:** | 25-4534-1 | **Version Number:** | 3.01 |
| **Issue Date:** | 2022/12/16 | **Supercedes Date:** | 2019/04/23 |

This Safety Data Sheet has been prepared in accordance with the 'Regulation of Labelling and Hazard Communication of Hazardous Chemicals'

## SECTION 1: Identification

**1.1. Chemicals Name**
3M(TM) Double Coated Tape 8008, 8010

**Other Names:**None

**Product Identification Numbers**
XT-0062-7402-8 XT-0062-7403-6

**1.2. Recommended use and restrictions on use**

**Recommended use**
Bonding

**1.3. Details of the supplier of the safety data sheet**

| | |
|---|---|
| **Name:** | 3M Taiwan LTD |
| **ADDRESS:** | 3F., No. 198, Jingmao 2nd Rd., Nangang Dist., Taipei City 115018, Taiwan |
| **Telephone:** | (02) 2785-9338 |
| **Website:** | www.3m.com.tw |

**1.4. Emergency telephone number**
**Emergency Telephone:**886-3-4783600
**Fax number:**(03) 475-0924, 475-0904

## SECTION 2: Hazard identification

**2.1. Classification of the substance or mixture**
This product is considered to be an article and is exempt from GHS classification.

**2.2. Label elements**
**SIGNAL WORD**
Not applicable.

**Symbols**
Not applicable.

**Pictograms**
Not applicable

**2.3. Other hazards**
None known

## SECTION 3: Composition/information on ingredients

**Pure Material:** Not Applicable

This material is a mixture.

Chemical Properties: Refer to Section 9 of this SDS

**Hazardous Ingredients:** Not Applicable

| Other Ingredient Names* | C.A.S. No. | % by Wt |
|---|---|---|
| Silicone Coated Release PET Liner | Mixture | 30 55 |
| Acrylate Adhesive | Trade Secret | 35 - 55 |
| Polyester Carrier | Mixture | 5 - 15 |

*The ingredients in this table are either: 1) not classified as hazardous, or 2) do not contribute to hazard classification according to CNS15030 based on defined classification thresholds.

## SECTION 4: First aid measures

**4.1. Description of first aid measures**

**Inhalation:**
No need for first aid is anticipated. If symptoms develop, remove the affected person to fresh air. Get medical attention.

**Skin Contact:**
If exposed, wash with soap and water. If signs/symptoms develop, get medical attention.

**Eye Contact:**
If exposed, flush eyes with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms develop, get medical attention.

**If Swallowed:**
Do not induce vomiting. Rinse mouth. If you feel unwell, get medical attention.

**4.2. Most important symptoms and effects, both acute and delayed**
No critical symptoms or effects. See Section 11.1, information on toxicological effects.

**4.3. Advice to protect the rescuer and special warning to doctors**
Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation and personal protective equipment.

**4.4. Indication of any immediate medical attention and special treatment required**
Not applicable

## SECTION 5: Fire-fighting measures

**5.1. Suitable extinguishing media**
In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

**5.2. Special hazards arising from the substance or mixture**
None inherent in this product.

**Hazardous Decomposition or By-Products**

| Substance | Condition |
|---|---|
| Carbon monoxide | During Combustion |
| Carbon dioxide | During Combustion |

**5.3. Special protective actions for fire-fighters**
No special protective actions for fire-fighters are anticipated.

**5.4. Special equipment for the protection of fire-fighters**
No information is available.

## SECTION 6: Accidental release measures

**6.1. Personal precautions, protective equipment and emergency procedures**
Not applicable.

**6.2. Environmental precautions**
Avoid release to the environment.

**6.3. Methods and material for containment and cleaning up**
Not applicable.

## SECTION 7: Handling and storage

**7.1. Precautions for safe handling**
This product is considered to be an article which does not release or otherwise result in exposure to a hazardous chemical under normal use conditions.

**7.2. Conditions for safe storage including any incompatibilities**
Not applicable.

## SECTION 8: Exposure controls/personal protection

**8.1. Control parameters**

**Occupational exposure limits**
No occupational exposure limit values exist for any of the components listed in Section 3 of this SDS.

**Biological limit values**
No biological limit values exist for any of the components listed in Section 3 of this safety data sheet.

**8.2. Exposure controls**

**8.2.1. Engineering controls**
Not applicable.

**8.2.2. Personal protective equipment (PPE)**

**Eye/face protection**

Eye protection not required.

**Skin/hand protection**
No protective gloves required.

**Respiratory protection**

Respiratory protection is not required.

**8.3. Hygiene Measures**
See Section 7.1 Precautions for safe handling

## SECTION 9: Physical and chemical properties

**9.1. Information on basic physical and chemical properties**

| | |
|---|---|
| **Physical state** | Solid |
| **Specific Physical Form:** | Roll of Tape |
| **Color** | Light Colorless |
| **Odor** | Minimal Odor |
| **Odor threshold** | *Not Applicable* |
| **pH** | *Not Applicable* |
| **Melting point/Freezing point** | *No Data Available* |
| **Boiling point/Initial boiling point/Boiling range** | *Not Applicable* |
| **Flash Point** | *Not Applicable* |
| **Evaporation rate** | *No Data Available* |
| **Flammability (solid, gas)** | Not Classified |
| **Flammable Limits(LEL)** | *No Data Available* |
| **Flammable Limits(UEL)** | *No Data Available* |
| **Vapor Pressure** | *No Data Available* |
| **Vapor Density and/or Relative Vapor Density** | *No Data Available* |
| **Density** | *Not Applicable* |
| **Relative Density** | *No Data Available* |
| **Water solubility** | *No Data Available* |
| **Solubility- non-water** | *Not Applicable* |
| **Partition coefficient: n-octanol/ water** | *No Data Available* |
| **Autoignition temperature** | *Not Applicable* |
| **Decomposition temperature** | *Not Applicable* |
| **Viscosity/Kinematic Viscosity** | *No Data Available* |
| **Volatile Organic Compounds** | *No Data Available* |
| **Percent volatile** | *No Data Available* |
| **VOC Less H2O & Exempt Solvents** | *No Data Available* |

## SECTION 10: Stability and reactivity

**10.1. Reactivity**
This material is considered to be non reactive under normal use conditions.

**10.2. Chemical stability**
Stable.

**10.3. Possibility of hazardous reactions**
Hazardous polymerization will not occur.

**10.4. Conditions to avoid**
None known.

**10.5. Incompatible materials**
None known.

**10.6. Hazardous decomposition products**

| Substance | Condition |
|---|---|
| None known. | |

Refer to section 5.2 for hazardous decomposition products during combustion.

Under recommended usage conditions, hazardous decomposition products are not expected. Hazardous decomposition products may occur as a result of oxidation, heating, or reaction with another material.

## SECTION 11: Toxicological information

**The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.**

**11.1. Information on Toxicological effects**

**Signs and Symptoms of Exposure**

**Based on test data and/or information on the components, this material may produce the following health effects:**

**Inhalation:**
No health effects are expected.

**Skin Contact:**
Contact with the skin during product use is not expected to result in significant irritation.

**Eye Contact:**
Contact with the eyes during product use is not expected to result in significant irritation.

**Ingestion:**
No health effects are expected.

**Chronic toxicity or long term toxicity**

**Toxicological Data**
If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or

the data are not sufficient for classification.

**Acute Toxicity**

| Name | Route | Species | Value |
|---|---|---|---|
| Overall product | Ingestion | | No data available; calculated ATE >5,000 mg/kg |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**
For the component/components, either no data are currently available or the data are not sufficient for classification.

**Serious Eye Damage/Irritation**
For the component/components, either no data are currently available or the data are not sufficient for classification.

**Sensitization:**

**Skin Sensitization**
For the component/components, either no data are currently available or the data are not sufficient for classification.

**Respiratory Sensitization**
For the component/components, either no data are currently available or the data are not sufficient for classification.

**Germ Cell Mutagenicity**
For the component/components, either no data are currently available or the data are not sufficient for classification.

**Carcinogenicity**
For the component/components, either no data are currently available or the data are not sufficient for classification.

**Reproductive Toxicity**

**Reproductive and/or Developmental Effects**
For the component/components, either no data are currently available or the data are not sufficient for classification.

**Target Organ(s)**

**Specific Target Organ Toxicity - single exposure**
For the component/components, either no data are currently available or the data are not sufficient for classification.

**Specific Target Organ Toxicity - repeated exposure**
For the component/components, either no data are currently available or the data are not sufficient for classification.

**Aspiration Hazard**
For the component/components, either no data are currently available or the data are not sufficient for classification.

**Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.**

## SECTION 12: Ecological information

**The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. Additional information leading to material classification in Section 2 is available upon request. In addition, environmental fate and effects data on ingredients may not be reflected in this section because an ingredient is present below the threshold for labeling, an ingredient is not expected to be available for exposure, or the data is considered not relevant to the material as a whole.**

**12.1. Toxicity**

**Acute aquatic hazard:**
Not acutely toxic to aquatic life by GHS criteria.

**Chronic aquatic hazard:**
Not chronically toxic to aquatic life by GHS criteria.

No product test data available

**12.2. Persistence and degradability**
No test data available

**12.3. Bioaccumulative potential**
No test data available

**12.4. Mobility in soil**
Please contact manufacturer for more details

**12.5 Other adverse effects**
No information available

## SECTION 13: Disposal considerations

**13.1. Disposal methods**
Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Prior to disposal, consult all applicable authorities and regulations to insure proper classification. Dispose of waste product in a permitted industrial waste facility. As a disposal alternative, incinerate in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. If no other disposal options are available, waste product may be placed in a landfill properly designed for industrial waste.

## SECTION 14: Transport Information

**14.1. International Regulations**
Not hazardous for transportation.

**UN No.:** Not applicable
**UN Proper shipping name:** Not applicable
**Transportation Class (IMO):** Not applicable
**Transportation Class (IATA):** Not applicable
**Packing Group:** Not applicable
**Marine pollutant:** Not applicable
**Specific transport measures and precautionary conditions:** Not applicable

## SECTION 15: Regulatory information

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Applicable regulations:**
Methods and Facilities Standards for the Storage, Clearance and Disposal of Industrial Waste

Occupational Safety and Health Act
Roadway Traffic Safety Regulations

**15.2. Global Inventory Status:**
Inventory of Existing Chemical Substances in China (IECSC): Exempt from Inventory Listing
Taiwan Chemical Substance Inventory: Exempt from Inventory Listing

## SECTION 16: Other information

**16.1. Literature references**

**Organization that prepared the SDS**

| | |
|---|---|
| **Name:** | 3M Taiwan LTD |
| **Address:** | 3F., No. 198, Jingmao 2nd Rd., Nangang Dist., Taipei City 115018, Taiwan |
| **Telephone Number:** | 886 3 478 3600 #388 |

**Person who prepared the SDS**

| | |
|---|---|
| **Title:** | Senior Product Responsibility Liaison |
| **Name:** | Sunny Chang |

**Date that the SDS was prepared:**
2022/12/16

**Revision information:**
Section 01: Address information was modified.
Section 01: Emergency telephone information was modified.
Section 03: Ingredient table information was deleted.
Section 03: Material is a mixture standard phrase information was deleted.
Section 04: First aid for eye contact information information was modified.
Section 04: First aid for ingestion (swallowing) information information was modified.
Section 04: First aid for inhalation information information was modified.
Section 04: First aid for skin contact information information was modified.
Section 04: Information on toxicological effects information was deleted.
Section 09: Color information was added.
Section 09: Odor information was added.
Section 09: Odor, color, grade information information was deleted.
Section 09: Percent Volatile information was added.
Section 09: Solubility as text (non-water) information was deleted.
Section 09: Solubility in water text information was deleted.
Section 09: Vapor density text information was deleted.
Section 09: Vapor Density Value information was added.
Section 09: Vapor density value information was deleted.
Section 09: Viscosity information information was deleted.
Section 09: Viscosity information was added.
Section 09: VOC Less H2O & Exempt Solvents information was added.
Section 09: Volatile Organic Compounds information was added.
Section 15: Methods and Facilities Standards information was modified.
Section 16: UK disclaimer information was deleted.
Taiwan Section 03: Hazardous Ingredient - N/A information was added.
Taiwan Section 03: Mixture information was added.
Taiwan Section 03: Not hazardous Ingredient table information was added.
Taiwan Section 03: Not Hazardous Statement information was added.
Taiwan Section 03: Pure Material information was added.

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(except as required by law). The information may not be valid for any use not referred to in this Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications.

**3M Taiwan SDSs are available at www.3m.com.tw**

# Test Report

**No.:** CANEC24027651423 **Date:** Dec 16, 2024 

Client Name: CENTURY CREATION (INT’L) CO.,LTD./DONGGUAN CENTURY CREATION INSULATION CO.,LTD

Client Address: UNIT503,5/F,SILVERCORD TOWER2,30CANTONROAD,TSIMSHATSUI,KOWLOON,HONGKONG CENTURY CREATION INDUSTRIAL PLANT, XIANSHA SIER INDUSTRIAL ZONE,GAOBU TOWN, DONGGUAN CITY, GUANGDONG PROVINCE, CHINA (P.R.C)

Sample Name: CR Rubber Sponge

Model No.: CR-2030B

Client Ref. Information: CR-0515B、 CR-3040B、CR-4050B、CR-5060B

The above sample(s) and information were provided by the client.

---

SGS Job No.: SZP24-053946

Sample Receiving Date: Dec 09, 2024

Testing Period: Dec 09, 2024 ~ Dec 16, 2024

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

| Test Requirement | Conclusion |
|---|---|
| EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP) | Pass |

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Jessie Li

Jessie-JX Li
Approved Signatory

scan to see the report
52B8E056

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**Test Result(s):**

Test Part Description：

| SN ID | Sample No. | SGS Sample ID | Description |
|---|---|---|---|
| SN1 | A1 | CAN24-0276514-0001.C001 | Black material |

Remarks:

(1) 1 mg/kg = 1 ppm = 0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (< MDL)
(4) "-" = Not Regulated

**EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)**

**Test Method:** With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017 and IEC 62321-12:2023, analysis was performed by ICP-OES/AAS, UV-Vis and GC-MS.

| Test Item(s) | Limit | Unit(s) | MDL | A1 |
|---|---|---|---|---|
| Lead (Pb) | 1000 | mg/kg | 2 | 12 |
| Mercury (Hg) | 1000 | mg/kg | 2 | ND |
| Cadmium (Cd) | 100 | mg/kg | 2 | ND |
| Hexavalent Chromium (Cr(VI)) | 1000 | mg/kg | 8 | ND |
| Polybrominated biphenyls (PBB) | 1000 | mg/kg | - | ND |
| Monobrominated biphenyl (MonoBB) | - | mg/kg | 25 | ND |
| Dibrominated biphenyl (DiBB) | - | mg/kg | 25 | ND |
| Tribrominated biphenyl (TriBB) | - | mg/kg | 25 | ND |
| Tetrabrominated biphenyl (TetraBB) | - | mg/kg | 25 | ND |
| Pentabrominated biphenyl (PentaBB) | - | mg/kg | 25 | ND |
| Hexabrominated biphenyl (HexaBB) | - | mg/kg | 25 | ND |
| Heptabrominated biphenyl (HeptaBB) | - | mg/kg | 25 | ND |
| Octabrominated biphenyl (OctaBB) | - | mg/kg | 25 | ND |
| Nonabrominated biphenyl (NonaBB) | - | mg/kg | 25 | ND |
| Decabrominated biphenyl (DecaBB) | - | mg/kg | 25 | ND |
| Polybrominated diphenyl ethers (PBDE) | 1000 | mg/kg | - | ND |
| Monobrominated diphenyl ether (MonoBDE) | - | mg/kg | 25 | ND |
| Dibrominated diphenyl ether (DiBDE) | - | mg/kg | 25 | ND |
| Tribrominated diphenyl ether (TriBDE) | - | mg/kg | 25 | ND |
| Tetrabrominated diphenyl ether (TetraBDE) | - | mg/kg | 25 | ND |
| Pentabrominated diphenyl ether (PentaBDE) | - | mg/kg | 25 | ND |
| Hexabrominated diphenyl ether (HexaBDE) | - | mg/kg | 25 | ND |
| Heptabrominated diphenyl ether (HeptaBDE) | - | mg/kg | 25 | ND |

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| Test Item(s) | Limit | Unit(s) | MDL | A1 |
|---|---|---|---|---|
| Octabrominated diphenyl ether (OctaBDE) | - | mg/kg | 25 | ND |
| Nonabrominated diphenyl ether (NonaBDE) | - | mg/kg | 25 | ND |
| Decabrominated diphenyl ether (DecaBDE) | - | mg/kg | 25 | ND |
| Di-2-Ethyl Hexyl Phthalate (DEHP) | 1000 | mg/kg | 50 | ND |
| Benzyl Butyl Phthalate (BBP) | 1000 | mg/kg | 50 | ND |
| Dibutyl Phthalate (DBP) | 1000 | mg/kg | 50 | ND |
| Diisobutyl Phthalate (DIBP) | 1000 | mg/kg | 50 | ND |

**Notes:**

(1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.

(2) IEC 62321 series is equivalent to EN 62321 series.

(3) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (*w*=0) stated in ILAC-G8:09/2019.

检验检测专用章 Inspection & Testing Services

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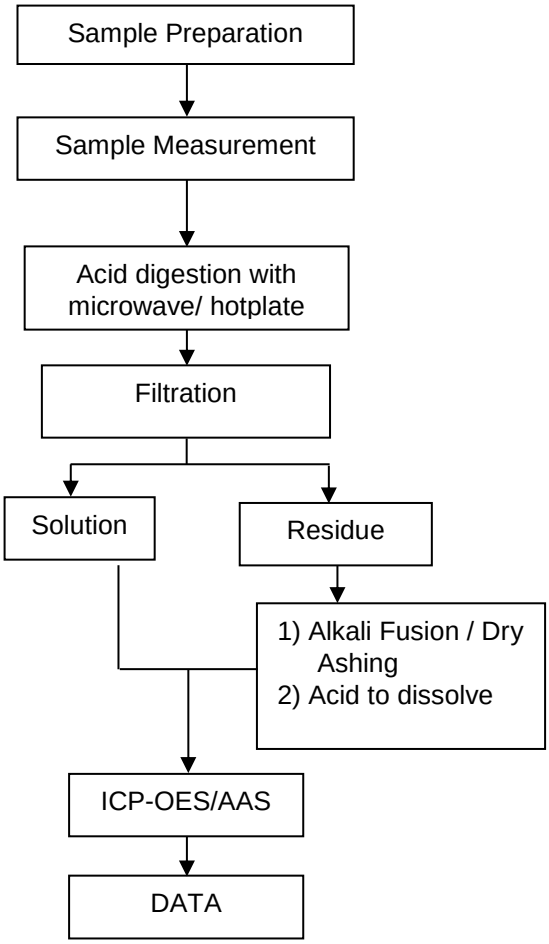
**ATTACHMENTS**

**Elements Testing Flow Chart**

These samples were dissolved totally by pre-conditioning method according to below flow chart.

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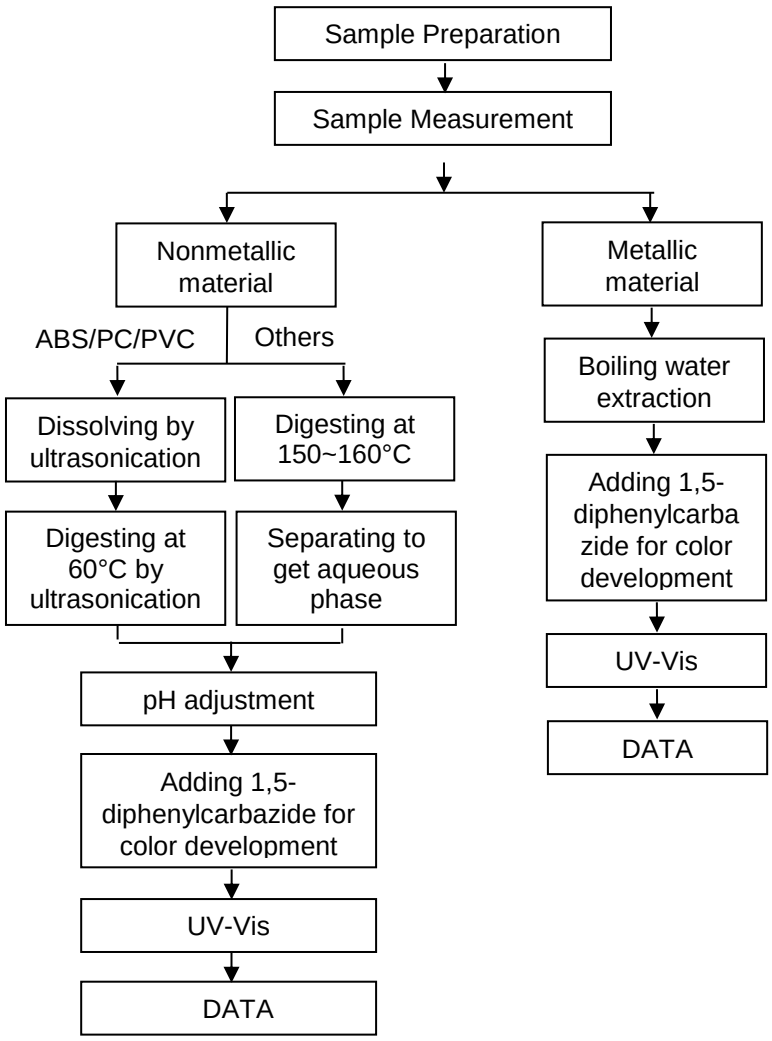
**Hexavalent Chromium (Cr(VI)) Testing Flow Chart**

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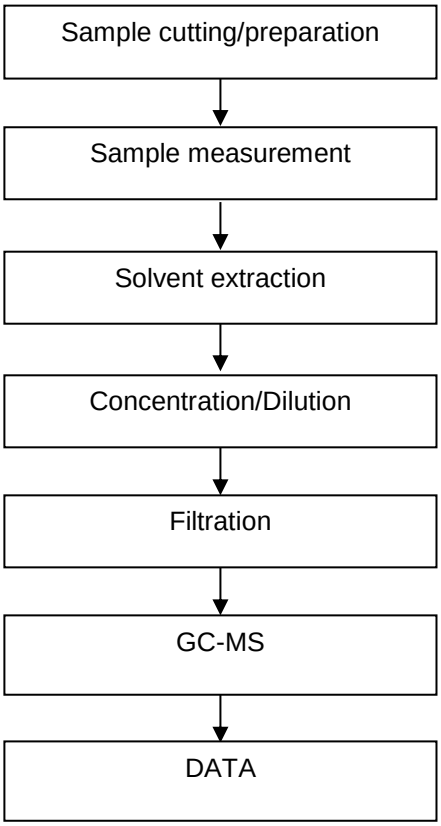
**PBB/PBDE/Phthalates Testing Flow Chart**

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**Sample Photo:**




CAN24-0276514-0001.C001

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# Test Report

**No.:** CANEC24027651427 **Date:** Dec 16, 2024 

Client Name: CENTURY CREATION (INT’L) CO.,LTD./DONGGUAN CENTURY CREATION INSULATION CO.,LTD

Client Address: UNIT503,5/F,SILVERCORD TOWER2,30CANTONROAD,TSIMSHATSUI,KOWLOON,HONGKONG
CENTURY CREATION INDUSTRIAL PLANT, XIANSHA SIER INDUSTRIAL ZONE,GAOBU TOWN, DONGGUAN CITY, GUANGDONG PROVINCE, CHINA (P.R.C)

Sample Name: CR Rubber Sponge

Model No.: CR-2030B

Client Ref. Information: CR-0515B、 CR-3040B、CR-4050B、CR-5060B

The above sample(s) and information were provided by the client.

---

SGS Job No.: SZP24-053946

Sample Receiving Date: Dec 09, 2024

Testing Period: Dec 09, 2024 ~ Dec 16, 2024

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

| Test Requirement | Conclusion |
|---|---|
| Halogen | See Results |

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Jessie Li

Jessie-JX Li
Approved Signatory

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**Test Result(s):**

Test Part Description：

| SN ID | Sample No. | SGS Sample ID | Description |
|---|---|---|---|
| SN1 | A1 | CAN24-0276514-0001.C001 | Black material |

Remarks:

(1) 1 mg/kg = 1 ppm = 0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (< MDL)
(4) "-" = Not Regulated

**Halogen**

**Test Method:** With reference to EN 14582:2016, analysis was performed by IC.

| Test Item(s) | Unit(s) | MDL | A1 |
|---|---|---|---|
| Fluorine(F) | mg/kg | 20 | 49 |
| Chlorine(Cl) | mg/kg | 50 | 148 |
| Bromine(Br) | mg/kg | 50 | ND |
| Iodine(I) | mg/kg | 50 | ND |

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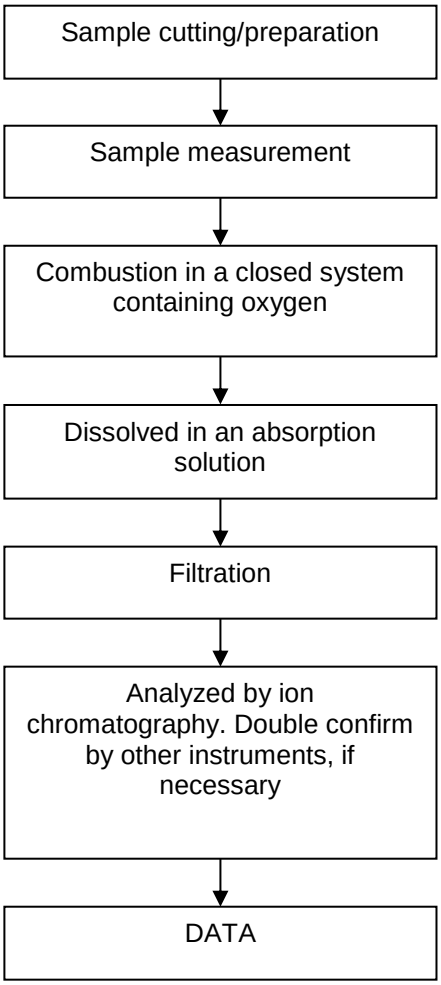
**Halogen Testing Flow Chart**

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**Sample Photo:**




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# Test Report

**No.:** CANEC24020750103 **Date:** Sep 24, 2024 

Client Name: 3M MATERIAL TECHNOLOGY (GUANGZHOU) CO.,LTD.

Client Address: NO.9,NANXIANG 2 ROAD,SCIENCE CITY GUANGZHOU HIGH TECH INDUSTRY DEVELOPMENT DISTRICT

Sample Name: 3M Double Coated Tape

Model No.: 8005

Client Ref. Information: 8002, 8003(P), 8003Y, 8003+, 8004PT, 8005, 8005FL, 8005DFL, 8006(P), 8006UDL, 8006DFL, 8008(P), 8010(P), 8012P, 8015P, 8018PT, 8018P, 8018B, 8020P, 7705, BM02, 6602(MC), 6604(MC), 66035MCF, AU04, MW02T, MW03T, MW05TC, MW05P, MW10T, MW10P, MW12P, MW15P, MW20P

The above sample(s) and information were provided by the client.

---

SGS Job No.: GZP24-029929

Sample Receiving Date: Sep 19, 2024

Testing Period: Sep 19, 2024 ~ Sep 24, 2024

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

| Test Requirement | Conclusion |
|---|---|
| EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP) | Pass |

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Jany Zhong

Jany Zhong
Approved Signatory

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**Test Result(s):**

Test Part Description：

| SN ID | Sample No. | SGS Sample ID | Description |
|---|---|---|---|
| SN1 | A1 | CAN24-0207501-0001.C001 | Colorless transparent double-sided adhesive sheet |

Remarks:

(1) 1 mg/kg = 1 ppm = 0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (< MDL)
(4) "-" = Not Regulated

**EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)**

**Test Method:** With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017 and IEC 62321-12:2023, analysis was performed by ICP-OES/AAS, UV-Vis and GC-MS.

| Test Item(s) | Limit | Unit(s) | MDL | A1 |
|---|---|---|---|---|
| Lead (Pb) | 1000 | mg/kg | 2 | ND |
| Mercury (Hg) | 1000 | mg/kg | 2 | ND |
| Cadmium (Cd) | 100 | mg/kg | 2 | ND |
| Hexavalent Chromium (Cr(VI)) | 1000 | mg/kg | 8 | ND |
| Polybrominated biphenyls (PBB) | 1000 | mg/kg | - | ND |
| Monobrominated biphenyl (MonoBB) | - | mg/kg | 25 | ND |
| Dibrominated biphenyl (DiBB) | - | mg/kg | 25 | ND |
| Tribrominated biphenyl (TriBB) | - | mg/kg | 25 | ND |
| Tetrabrominated biphenyl (TetraBB) | - | mg/kg | 25 | ND |
| Pentabrominated biphenyl (PentaBB) | - | mg/kg | 25 | ND |
| Hexabrominated biphenyl (HexaBB) | - | mg/kg | 25 | ND |
| Heptabrominated biphenyl (HeptaBB) | - | mg/kg | 25 | ND |
| Octabrominated biphenyl (OctaBB) | - | mg/kg | 25 | ND |
| Nonabrominated biphenyl (NonaBB) | - | mg/kg | 25 | ND |
| Decabrominated biphenyl (DecaBB) | - | mg/kg | 25 | ND |
| Polybrominated diphenyl ethers (PBDE) | 1000 | mg/kg | - | ND |
| Monobrominated diphenyl ether (MonoBDE) | - | mg/kg | 25 | ND |
| Dibrominated diphenyl ether (DiBDE) | - | mg/kg | 25 | ND |
| Tribrominated diphenyl ether (TriBDE) | - | mg/kg | 25 | ND |
| Tetrabrominated diphenyl ether (TetraBDE) | - | mg/kg | 25 | ND |
| Pentabrominated diphenyl ether (PentaBDE) | - | mg/kg | 25 | ND |
| Hexabrominated diphenyl ether (HexaBDE) | - | mg/kg | 25 | ND |
| Heptabrominated diphenyl ether (HeptaBDE) | - | mg/kg | 25 | ND |

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| Test Item(s) | Limit | Unit(s) | MDL | A1 |
|---|---|---|---|---|
| Octabrominated diphenyl ether (OctaBDE) | - | mg/kg | 25 | ND |
| Nonabrominated diphenyl ether (NonaBDE) | - | mg/kg | 25 | ND |
| Decabrominated diphenyl ether (DecaBDE) | - | mg/kg | 25 | ND |
| Di-2-Ethyl Hexyl Phthalate (DEHP) | 1000 | mg/kg | 50 | ND |
| Benzyl Butyl Phthalate (BBP) | 1000 | mg/kg | 50 | ND |
| Dibutyl Phthalate (DBP) | 1000 | mg/kg | 50 | ND |
| Diisobutyl Phthalate (DIBP) | 1000 | mg/kg | 50 | ND |

**Notes:**

(1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.

(2) IEC 62321 series is equivalent to EN 62321 series.

(3) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.

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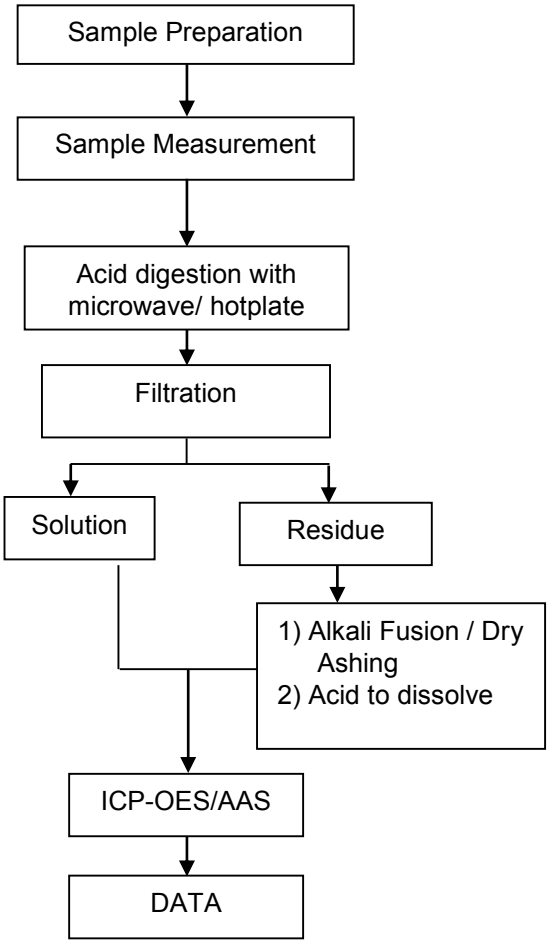
**Elements Testing Flow Chart**

These samples were dissolved totally by pre-conditioning method according to below flow chart.

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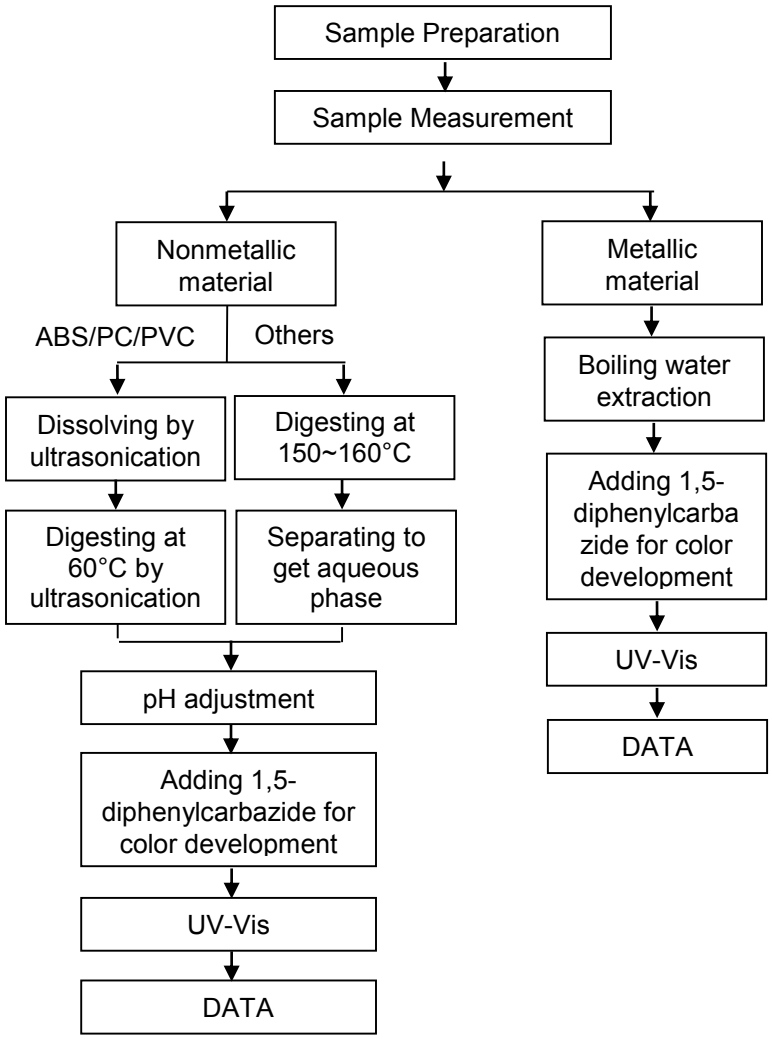
**Hexavalent Chromium (Cr(VI)) Testing Flow Chart**

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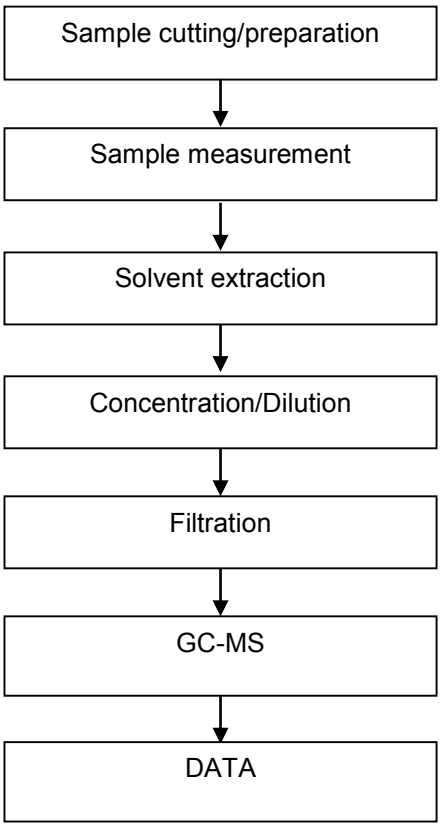
**PBB/PBDE/Phthalates Testing Flow Chart**

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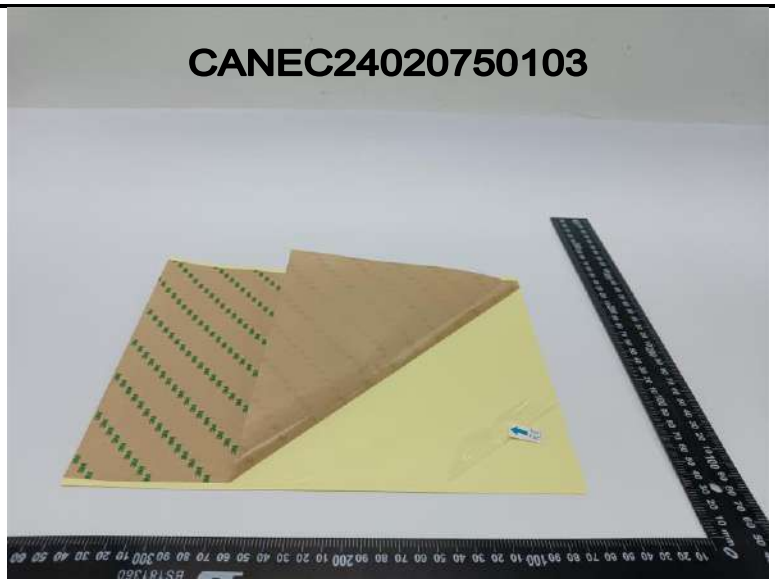
**Sample Photo:**

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# Test Report

**No.:** CANEC24020750101 **Date:** Sep 24, 2024 

Client Name: 3M MATERIAL TECHNOLOGY (GUANGZHOU) CO.,LTD.

Client Address: NO.9,NANXIANG 2 ROAD,SCIENCE CITY GUANGZHOU HIGH TECH INDUSTRY DEVELOPMENT DISTRICT

Sample Name: 3M Double Coated Tape

Model No.: 8005

Client Ref. Information: 8002, 8003(P), 8003Y, 8003+, 8004PT, 8005, 8005FL, 8005DFL, 8006(P), 8006UDL, 8006DFL, 8008(P), 8010(P), 8012P, 8015P, 8018PT, 8018P, 8018B, 8020P, 7705, BM02, 6602(MC), 6604(MC), 66035MCF, AU04, MW02T, MW03T, MW05TC, MW05P, MW10T, MW10P, MW12P, MW15P, MW20P

The above sample(s) and information were provided by the client.

---

SGS Job No.: GZP24-029929

Sample Receiving Date: Sep 19, 2024

Testing Period: Sep 19, 2024 ~ Sep 24, 2024

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

| Test Requirement | Conclusion |
|---|---|
| Halogen | See Results |

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Jany Zhong

Jany Zhong
Approved Signatory

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**Test Result(s):**

Test Part Description：

| SN ID | Sample No. | SGS Sample ID | Description |
|---|---|---|---|
| SN1 | A1 | CAN24-0207501-0001.C001 | Colorless transparent double-sided adhesive sheet |

Remarks:

(1) 1 mg/kg = 1 ppm = 0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (< MDL)
(4) "-" = Not Regulated

**Halogen**

**Test Method:** With reference to EN 14582:2016, analysis was performed by IC.

| Test Item(s) | Unit(s) | MDL | A1 |
|---|---|---|---|
| Fluorine(F) | mg/kg | 20 | ND |
| Chlorine(Cl) | mg/kg | 50 | ND |
| Bromine(Br) | mg/kg | 50 | ND |
| Iodine(I) | mg/kg | 50 | ND |

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (*w*=0) stated in ILAC-G8:09/2019.

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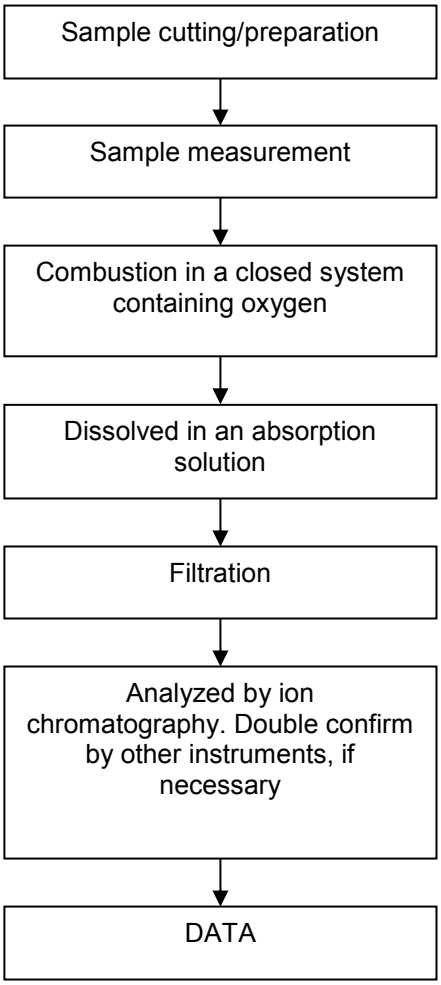
**ATTACHMENTS**

**Halogen Testing Flow Chart**

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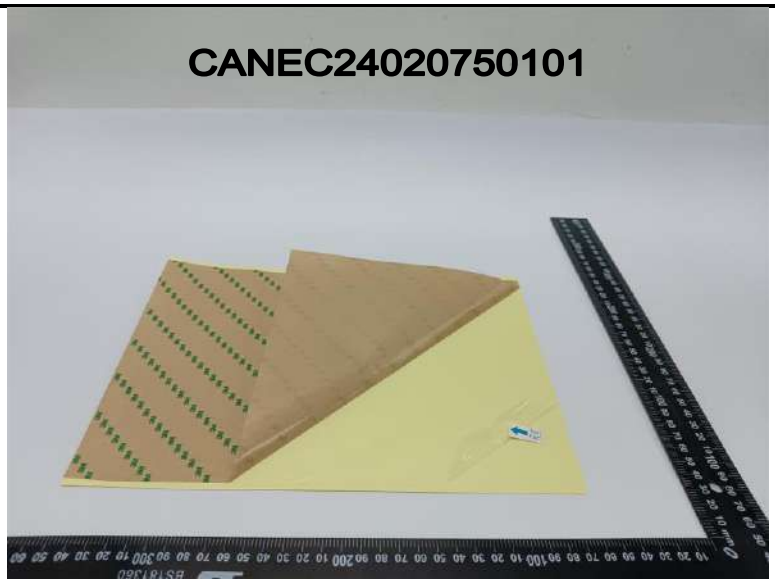


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# Test Report (SVHC)

**No.:** CANEC24027651425 **Date:** Dec 16, 2024 

Client Name: CENTURY CREATION (INT’L) CO.,LTD./DONGGUAN CENTURY CREATION INSULATION CO.,LTD

Client Address: UNIT503,5/F,SILVERCORD TOWER2,30CANTONROAD,TSIMSHATSUI,KOWLOON,HONGKONG
CENTURY CREATION INDUSTRIAL PLANT, XIANSHA SIER INDUSTRIAL ZONE,GAOBU TOWN, DONGGUAN CITY, GUANGDONG PROVINCE, CHINA (P.R.C)

Sample Name: CR Rubber Sponge

Model No.: CR-2030B

Client Ref. Information: CR-0515B、 CR-3040B、CR-4050B、CR-5060B

The above sample(s) and information were provided by the client.

---

SGS Job No.: SZP24-053946

Sample Receiving Date: Dec 09, 2024

Testing Period: Dec 09, 2024 ~ Dec 16, 2024

Test Requested: As requested by client, SVHC in Candidate List screening is performed according to:
(i) Two hundred and forty two (242) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before Nov 07, 2024 regarding Regulation (EC) No 1907/2006 concerning the REACH.
As requested by client, Potential SVHC screening is performed according to:
(i) Six (6) substances in the Public Consultation List of potential Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) on and before Aug 30, 2024 regarding Regulation (EC) No 1907/2006 concerning the REACH.
(ii) One (1) potential Substances of Very High Concern (SVHC) in the Identification ongoing.
(iii) Six (6) potential Substances of Very High Concern (SVHC) in the Intention List published by European Chemicals Agency (ECHA) regarding Regulation (EC) No 1907/2006 concerning the REACH.

Test Method(s): Please refer to next page(s).

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Jessie Li

Jessie-JX Li
Approved Signatory

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Test Result(s): Please refer to next page(s).

**Summary:**

| | |
|---|---|
| According to the specified scope and evaluation screening, the results of 242 SVHC in the Candidate List are ≤ 0.1% (w/w) in the submitted sample. | Pass |
| According to the specified scope and evaluation screening, the results of 13 Potential SVHC are ≤ 0.1% (w/w) in the submitted sample. | Pass |

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**Remark :**

1. The chemical analysis of specified SVHC is performed by means of currently available analytical techniques against the following SVHC related documents published by ECHA:
   http://echa.europa.eu/web/guest/candidate-list-table
   These lists are under evaluation by ECHA and may subject to change in the future.
2. REACH obligation:
   2.1 Concerning article(s):
   Communication:
   Article 33 of Regulation (EC) No 1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance in the Candidate List.

   Notification:
   In accordance with Regulation (EC) No 1907/2006, any EU producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, if (a) the substance in the Candidate List is present in those articles in quantities totaling over one tonne per producer or importer per year; and (b) the substance in the Candidate List is present in those articles above a concentration of 0.1% weight by weight (w/w).

   Companies supplying articles containing substances of very high concern (SVHCs) on the Candidate List in a concentration above 0.1% weight by weight (w/w) on the EU market must comply with the Waste Framework Directive 2008/98/EC requirement and submit SCIP notifications on these articles to ECHA, as from 5 January 2021.

   2.2 Concerning material(s):
   Test results in this report are based on the tested sample. This report refers to testing result of tested sample submitted as homogenous material(s). In case such material is being used to compose an article, the results indicated in this report may not represent SVHC concentration in such article. If this report refers to testing result of composite material group by equal weight proportion, the material in each composite test group may come from more than one article.

   If the sample is a substance or mixture, and it directly exports to EU, client has the obligation to comply with the supply chain communication obligation under Article 31 of Regulation (EC) No. 1907/2006 and the conditions of Authorization of substance of very high concern included in the Annex XIV of the Regulation (EC) No. 1907/2006.

   2.3 Concerning substance and preparation:
   If a SVHC is found over 0.1% (w/w) and/or the specific concentration limit which is set in Regulation (EC) No 1272/2008 and its amendments, client is suggested to prepare a Safety Data Sheet (SDS) against the SVHC to comply with the supply chain communication obligation under Regulation (EC) No 1907/2006, in which:
   - a substance that is classified as hazardous under the CLP Regulation (EC) No 1272/2008.
   - a mixture that is classified as hazardous under the CLP Regulation (EC) No 1272/2008, when it contains a substance with concentration equal to, or greater than the classification limit as set in Regulation (EC) No. 1272/2008; or
   - a mixture is not classified as hazardous under the CLP Regulation (EC) No 1272/2008, but contains either:

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(a) a substance posing human health or environmental hazards in an individual concentration of ≥ 1 % by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures) or ≥ 0.2 % by volume for gaseous mixtures; or
(b) a substance that is PBT, or vPvB in an individual concentration of ≥ 0.1 % by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures); or
(c) a substance on the SVHC candidate list (for reasons other than those listed above), in an individual concentration of ≥ 0.1 % by weight for non-gaseous mixtures; or
(d) a substance for which there are Europe-wide workplace exposure limits

3. If a SVHC is found over the reporting limit, client is suggested to identify the composite component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.

**Test Sample:**

**Testing Group:**

| Test Result ID | Description | Test Part ID | SGS Sample ID |
|---|---|---|---|
| 001 | Black material | A1 | CAN24-0276514-0001.C001 |

**Test Method:**
With reference to SGS In-House method, analysis was performed by ICP-OES, UV-VIS, GC-MS, HPLC-DAD/MS and Colorimetric Method.

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**Result of SVHC in the Candidate List**

| Batch | Substance Name | CAS No. | 001 Concentration (%) | RL (%) |
|---|---|---|---|---|
| - | All SVHC in Candidate list | - | ND | - |

**Result of Potential SVHC**

| Batch | Substance Name | CAS No. | 001 Concentration (%) | RL (%) |
|---|---|---|---|---|
| / | All Potential SVHC | - | ND | - |

**Notes:**

(1) The table above only shows detected SVHC, and SVHC that below RL are not reported. Please refer to Appendix for the full list of tested SVHC.

(2) RL = Reporting Limit (Test data will be shown if it ≥ RL. RL is not regulatory limit.)
ND = Not detected (lower than RL), ND is denoted on the SVHC substance.

(3) * The result is based on the calculation of selected element(s) under the worst-case scenario, and the evaluation of substance usage and material properties.
** The result is based on the calculation of selected marker(s) and to the worst-case scenario.
Calculated concentration of boric compounds are based on water extractive boron detected by ICP-OES.
Calculated concentration of Barium diboron tetraoxide is based on water extractive boron and barium detected by ICP-OES.
RL = 0.005% is evaluated for element (i.e. cobalt, arsenic, lead, chromium, chromium (VI), aluminum, zirconium, boron, strontium, zinc, antimony, titanium, barium and cadmium respectively), except molybdenum RL=0.0005%, boron RL=0.0025% (only for Lead bis(tetrafluoroborate)), fluorine RL=0.050%.

(4) § The substance is proposed for the identification as SVHC only where it contains Michler's ketone (CAS Number: 90-94-8) or Michler's base (CAS Number: 101-61-1) ≥0.1% (w/w).

(5) / = Potential SVHC

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**Appendix**

**Full list of tested SVHC:**

| Batch | No. | Substance Name | CAS No. | RL (%) |
|---|---|---|---|---|
| I | 1 | 4,4'-Diaminodiphenylmethane(MDA) | 101-77-9 | 0.050 |
| I | 2 | 5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene) | 81-15-2 | 0.050 |
| I | 3 | Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) | 85535-84-8 | 0.050 |
| I | 4 | Anthracene | 120-12-7 | 0.050 |
| I | 5 | Benzyl butyl phthalate (BBP) | 85-68-7 | 0.050 |
| I | 6 | Bis(2-ethylhexyl)phthalate (DEHP) | 117-81-7 | 0.050 |
| I | 7 | Bis(tributyltin)oxide (TBTO) | 56-35-9 | 0.050 |
| I | 8 | Cobalt dichloride* | 7646-79-9 | 0.005 |
| I | 9 | Diarsenic pentaoxide* | 1303-28-2 | 0.005 |
| I | 10 | Diarsenic trioxide* | 1327-53-3 | 0.005 |
| I | 11 | Dibutyl phthalate (DBP) | 84-74-2 | 0.050 |
| I | 12 | Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α-HBCDD, β-HBCDD, γ-HBCDD) | - | 0.050 |
| I | 13 | Lead hydrogen arsenate* | 7784-40-9 | 0.005 |
| I | 14 | Sodium dichromate* | 10588-01-9 /7789-12-0 | 0.005 |
| I | 15 | Triethyl arsenate* | 15606-95-8 | 0.005 |
| II | 16 | 2,4-Dinitrotoluene | 121-14-2 | 0.050 |
| II | 17 | Anthracene oil** | 90640-80-5 | 0.050 |
| II | 18 | Anthracene oil, anthracene paste** | 90640-81-6 | 0.050 |
| II | 19 | Anthracene oil, anthracene paste, anthracene fraction** | 91995-15-2 | 0.050 |
| II | 20 | Anthracene oil, anthracene paste, distn. Lights** | 91995-17-4 | 0.050 |
| II | 21 | Anthracene oil, anthracene-low** | 90640-82-7 | 0.050 |
| II | 22 | Diisobutyl phthalate | 84-69-5 | 0.050 |
| II | 23 | Lead chromate* | 7758-97-6 | 0.005 |
| II | 24 | Lead chromate molybdate sulphate red (C.I. Pigment Red 104)* | 12656-85-8 | 0.005 |
| II | 25 | Lead sulfochromate yellow (C.I. Pigment Yellow 34)* | 1344-37-2 | 0.005 |
| II | 26 | Pitch, coal tar, high temp. ** | 65996-93-2 | 0.050 |
| II | 27 | Tris(2-chloroethyl)phosphate | 115-96-8 | 0.050 |
| II | 28 | Acrylamide | 79-06-1 | 0.050 |
| III | 29 | Ammonium dichromate* | 7789-09-5 | 0.005 |
| III | 30 | Boric acid* | - | 0.005 |
| III | 31 | Disodium tetraborate, anhydrous* | 12179-04-3 /1303-96-4 /1330-43-4 | 0.005 |
| III | 32 | Potassium chromate* | 7789-00-6 | 0.005 |
| III | 33 | Potassium dichromate* | 7778-50-9 | 0.005 |
| III | 34 | Sodium chromate* | 7775-11-3 | 0.005 |
| III | 35 | Tetraboron disodium heptaoxide, hydrate* | 12267-73-1 | 0.005 |

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| Batch | No. | Substance Name | CAS No. | RL (%) |
|---|---|---|---|---|
| III | 36 | Trichloroethylene | 79-01-6 | 0.050 |
| IV | 37 | 2-Ethoxyethanol | 110-80-5 | 0.050 |
| IV | 38 | 2-Methoxyethanol | 109-86-4 | 0.050 |
| IV | 39 | Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid* | - | 0.005 |
| IV | 40 | Chromium trioxide* | 1333-82-0 | 0.005 |
| IV | 41 | Cobalt(II) carbonate* | 513-79-1 | 0.005 |
| IV | 42 | Cobalt(II) diacetate* | 71-48-7 | 0.005 |
| IV | 43 | Cobalt(II) dinitrate* | 10141-05-6 | 0.005 |
| IV | 44 | Cobalt(II) sulphate* | 10124-43-3 | 0.005 |
| V | 45 | 1,2,3-trichloropropane | 96-18-4 | 0.050 |
| V | 46 | 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich | 71888-89-6 | 0.050 |
| V | 47 | 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters | 68515-42-4 | 0.050 |
| V | 48 | 1-methyl-2-pyrrolidone | 872-50-4 | 0.050 |
| V | 49 | 2-ethoxyethyl acetate | 111-15-9 | 0.050 |
| V | 50 | Hydrazine | 302-01-2 /7803-57-8 | 0.050 |
| V | 51 | strontium chromate* | 7789-06-2 | 0.005 |
| VI | 52 | 1,2-Dichloroethane | 107-06-2 | 0.050 |
| VI | 53 | 2,2'-dichloro-4,4'-methylenedianiline | 101-14-4 | 0.050 |
| VI | 54 | 2-Methoxyaniline; o-Anisidine | 90-04-0 | 0.050 |
| VI | 55 | 4-(1,1,3,3-tetramethylbutyl)phenol | 140-66-9 | 0.050 |
| VI | 56 | Aluminosilicate Refractory Ceramic Fibres* | - | 0.005 |
| VI | 57 | Arsenic acid* | 7778-39-4 | 0.005 |
| VI | 58 | Bis(2-methoxyethyl) ether | 111-96-6 | 0.050 |
| VI | 59 | Bis(2-methoxyethyl) phthalate | 117-82-8 | 0.050 |
| VI | 60 | Calcium arsenate* | 7778-44-1 | 0.005 |
| VI | 61 | Dichromium tris(chromate)* | 24613-89-6 | 0.005 |
| VI | 62 | Formaldehyde, oligomeric reaction products with aniline | 25214-70-4 | 0.050 |
| VI | 63 | Lead diazide, Lead azide* | 13424-46-9 | 0.005 |
| VI | 64 | Lead dipicrate* | 6477-64-1 | 0.005 |
| VI | 65 | Lead styphnate* | 15245-44-0 | 0.005 |
| VI | 66 | N,N-dimethylacetamide | 127-19-5 | 0.050 |
| VI | 67 | Pentazinc chromate octahydroxide* | 49663-84-5 | 0.005 |
| VI | 68 | Phenolphthalein | 77-09-8 | 0.050 |
| VI | 69 | Potassium hydroxyoctaoxodizincatedichromate* | 11103-86-9 | 0.005 |
| VI | 70 | Trilead diarsenate* | 3687-31-8 | 0.005 |
| VI | 71 | Zirconia Aluminosilicate Refractory Ceramic Fibres* | - | 0.005 |
| VII | 72 | [4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)§ | 2580-56-5 | 0.050 |

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| Batch | No. | Substance Name | CAS No. | RL (%) |
|---|---|---|---|---|
| VII | 73 | [4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) § | 548-62-9 | 0.050 |
| VII | 74 | 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme) | 112-49-2 | 0.050 |
| VII | 75 | 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) | 110-71-4 | 0.050 |
| VII | 76 | 4,4'-bis(dimethylamino) benzophenone (Michler's Ketone) | 90-94-8 | 0.050 |
| VII | 77 | 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol§ | 561-41-1 | 0.050 |
| VII | 78 | Diboron trioxide* | 1303-86-2 | 0.005 |
| VII | 79 | Formamide | 75-12-7 | 0.050 |
| VII | 80 | Lead(II) bis(methanesulfonate)* | 17570-76-2 | 0.005 |
| VII | 81 | N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base) | 101-61-1 | 0.050 |
| VII | 82 | TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione) | 2451-62-9 | 0.050 |
| VII | 83 | α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) § | 6786-83-0 | 0.050 |
| VII | 84 | β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione) | 59653-74-6 | 0.050 |
| VIII | 85 | [Phthalato(2-)]dioxotrilead* | 69011-06-9 | 0.005 |
| VIII | 86 | 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear | 84777-06-0 | 0.050 |
| VIII | 87 | 1,2-Diethoxyethane | 629-14-1 | 0.050 |
| VIII | 88 | 1-Bromopropane | 106-94-5 | 0.050 |
| VIII | 89 | 3-Ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine | 143860-04-2 | 0.050 |
| VIII | 90 | 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated | - | 0.050 |
| VIII | 91 | 4,4'-Methylenedi-o-toluidine | 838-88-0 | 0.050 |
| VIII | 92 | 4,4'-Oxydianiline and its salts | 101-80-4 | 0.050 |
| VIII | 93 | 4-Aminoazobenzene | 60-09-3 | 0.050 |
| VIII | 94 | 4-Methyl-m-phenylenediamine | 95-80-7 | 0.050 |
| VIII | 95 | 4-Nonylphenol, branched and linear | - | 0.050 |
| VIII | 96 | 6-Methoxy-m-toluidine | 120-71-8 | 0.050 |
| VIII | 97 | Acetic acid, lead salt, basic* | 51404-69-4 | 0.005 |
| VIII | 98 | Biphenyl-4-ylamine | 92-67-1 | 0.050 |
| VIII | 99 | Decabromodiphenyl ether (DecaBDE) | 1163-19-5 | 0.050 |
| VIII | 100 | Cyclohexane-1,2-dicarboxylic anhydride, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride | - | 0.050 |
| VIII | 101 | Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) | 123-77-3 | 0.050 |

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| Batch | No. | Substance Name | CAS No. | RL (%) |
|---|---|---|---|---|
| VIII | 102 | Dibutyltin dichloride (DBTC) | 683-18-1 | 0.050 |
| VIII | 103 | Diethyl sulphate | 64-67-5 | 0.050 |
| VIII | 104 | Diisopentylphthalate | 605-50-5 | 0.050 |
| VIII | 105 | Dimethyl sulphate | 77-78-1 | 0.050 |
| VIII | 106 | Dinoseb | 88-85-7 | 0.050 |
| VIII | 107 | Dioxobis(stearato)trilead* | 12578-12-0 | 0.005 |
| VIII | 108 | Fatty acids, C16-18, lead salts* | 91031-62-8 | 0.005 |
| VIII | 109 | Furan | 110-00-9 | 0.050 |
| VIII | 110 | Henicosafluoroundecanoic acid | 2058-94-8 | 0.050 |
| VIII | 111 | Heptacosafluorotetradecanoic acid | 376-06-7 | 0.050 |
| VIII | 112 | Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride | - | 0.050 |
| VIII | 113 | Lead bis(tetrafluoroborate)* | 13814-96-5 | 0.005 |
| VIII | 114 | Lead cyanamidate* | 20837-86-9 | 0.005 |
| VIII | 115 | Lead dinitrate* | 10099-74-8 | 0.005 |
| VIII | 116 | Lead monoxide* | 1317-36-8 | 0.005 |
| VIII | 117 | Lead oxide sulfate* | 12036-76-9 | 0.005 |
| VIII | 118 | Lead tetroxide (orange lead)* | 1314-41-6 | 0.005 |
| VIII | 119 | Lead titanium trioxide* | 12060-00-3 | 0.005 |
| VIII | 120 | Lead titanium zirconium oxide* | 12626-81-2 | 0.005 |
| VIII | 121 | Methoxyacetic acid | 625-45-6 | 0.050 |
| VIII | 122 | Methyloxirane (Propylene oxide) | 75-56-9 | 0.050 |
| VIII | 123 | N,N-Dimethylformamide | 68-12-2 | 0.050 |
| VIII | 124 | N-Methylacetamide | 79-16-3 | 0.050 |
| VIII | 125 | N-Pentyl-isopentylphthalate | 776297-69-9 | 0.050 |
| VIII | 126 | o-Aminoazotoluene | 97-56-3 | 0.050 |
| VIII | 127 | o-Toluidine | 95-53-4 | 0.050 |
| VIII | 128 | Pentacosafluorotridecanoic acid | 72629-94-8 | 0.050 |
| VIII | 129 | Pentalead tetraoxide sulphate* | 12065-90-6 | 0.005 |
| VIII | 130 | Pyrochlore, antimony lead yellow* | 8012-00-8 | 0.005 |
| VIII | 131 | Silicic acid, barium salt, lead-doped* | 68784-75-8 | 0.005 |
| VIII | 132 | Silicic acid, lead salt* | 11120-22-2 | 0.005 |
| VIII | 133 | Sulfurous acid, lead salt, dibasic* | 62229-08-7 | 0.005 |
| VIII | 134 | Tetraethyllead* | 78-00-2 | 0.005 |
| VIII | 135 | Tetralead trioxide sulphate* | 12202-17-4 | 0.005 |
| VIII | 136 | Tricosafluorododecanoic acid | 307-55-1 | 0.050 |
| VIII | 137 | Trilead bis(carbonate)dihydroxide (basic lead carbonate)* | 1319-46-6 | 0.005 |
| VIII | 138 | Trilead dioxide phosphonate* | 12141-20-7 | 0.005 |
| IX | 139 | 4-Nonylphenol, branched and linear, ethoxylated | - | 0.050 |
| IX | 140 | Ammonium pentadecafluorooctanoate (APFO)** | 3825-26-1 | 0.050 |
| IX | 141 | Cadmium oxide* | 1306-19-0 | 0.005 |
| IX | 142 | Cadmium | 7440-43-9 | 0.005 |

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| Batch | No. | Substance Name | CAS No. | RL (%) |
|---|---|---|---|---|
| IX | 143 | Dipentyl phthalate (DPP) | 131-18-0 | 0.050 |
| IX | 144 | Pentadecafluorooctanoic acid (PFOA) | 335-67-1 | 0.050 |
| X | 145 | Cadmium sulphide* | 1306-23-6 | 0.005 |
| X | 146 | Dihexyl phthalate | 84-75-3 | 0.050 |
| X | 147 | Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28) | 573-58-0 | 0.050 |
| X | 148 | Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo] -5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38) | 1937-37-7 | 0.050 |
| X | 149 | Imidazolidine-2-thione; (2-imidazoline-2-thiol) | 96-45-7 | 0.050 |
| X | 150 | Lead di(acetate)* | 301-04-2 | 0.005 |
| X | 151 | Trixylyl phosphate | 25155-23-1 | 0.050 |
| XI | 152 | 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear | 68515-50-4 | 0.050 |
| XI | 153 | Cadmium chloride* | 10108-64-2 | 0.005 |
| XI | 154 | Sodium perborate; perboric acid, sodium salt* | - | 0.005 |
| XI | 155 | Sodium peroxometaborate* | 7632-04-4 | 0.005 |
| XII | 156 | 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328) | 25973-55-1 | 0.050 |
| XII | 157 | 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320) | 3846-71-7 | 0.050 |
| XII | 158 | 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) | 15571-58-1 | 0.050 |
| XII | 159 | Cadmium fluoride* | 7790-79-6 | 0.005 |
| XII | 160 | Cadmium sulphate* | 10124-36-4 /31119-53-6 | 0.005 |
| XII | 161 | Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate & 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE & MOTE) | - | 0.050 |
| XIII | 162 | 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate | - | 0.050 |
| XIII | 163 | 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual isomers of [1] and [2] or any combination thereof] | - | 0.050 |
| XIV | 164 | 1,3-propanesultone | 1120-71-4 | 0.050 |
| XIV | 165 | 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl) phenol (UV-327) | 3864-99-1 | 0.050 |

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|---|---|---|---|---|
| XIV | 166 | 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) phenol (UV-350) | 36437-37-3 | 0.050 |
| XIV | 167 | Nitrobenzene | 98-95-3 | 0.050 |
| XIV | 168 | Perfluorononan-1-oic-acid and its sodium and ammonium salts | - | 0.050 |
| XV | 169 | Benzo[def]chrysene (Benzo[a]pyrene) | 50-32-8 | 0.050 |
| XVI | 170 | 4,4'-isopropylidenediphenol (bisphenol A) | 80-05-7 | 0.050 |
| XVI | 171 | 4-Heptylphenol, branched and linear | - | 0.050 |
| XVI | 172 | Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts | - | 0.050 |
| XVI | 173 | p-(1,1-dimethylpropyl)phenol | 80-46-6 | 0.050 |
| XVII | 174 | Perfluorohexane-1-sulphonic acid and its salts | - | 0.050 |
| XVIII | 175 | 1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) [covering any of its individual anti- and syn-isomers or any combination thereof] | - | 0.050 |
| XVIII | 176 | Benz[a]anthracene | 56-55-3 | 0.050 |
| XVIII | 177 | Cadmium nitrate* | 10325-94-7 | 0.005 |
| XVIII | 178 | Cadmium carbonate* | 513-78-0 | 0.005 |
| XVIII | 179 | Cadmium hydroxide* | 21041-95-2 | 0.005 |
| XVIII | 180 | Chrysene | 218-01-9 | 0.050 |
| XVIII | 181 | Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear] | - | 0.050 |
| XIX | 182 | Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA) | 552-30-7 | 0.050 |
| XIX | 183 | Benzo[ghi]perylene | 191-24-2 | 0.050 |
| XIX | 184 | Decamethylcyclopentasiloxane (D5) | 541-02-6 | 0.050 |
| XIX | 185 | Dicyclohexyl phthalate (DCHP) | 84-61-7 | 0.050 |
| XIX | 186 | Disodium octaborate* | 12008-41-2 | 0.005 |
| XIX | 187 | Dodecamethylcyclohexasiloxane (D6) | 540-97-6 | 0.050 |
| XIX | 188 | Ethylenediamine (EDA) | 107-15-3 | 0.050 |
| XIX | 189 | Lead | 7439-92-1 | 0.005 |
| XIX | 190 | Octamethylcyclotetrasiloxane (D4) | 556-67-2 | 0.050 |
| XIX | 191 | Terphenyl, hydrogenated | 61788-32-7 | 0.050 |
| XX | 192 | 1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor) | 15087-24-8 | 0.050 |
| XX | 193 | 2,2-bis(4'-hydroxyphenyl)-4-methylpentane | 6807-17-6 | 0.050 |
| XX | 194 | Benzo[k]fluoranthene | 207-08-9 | 0.050 |
| XX | 195 | Fluoranthene | 206-44-0 | 0.050 |
| XX | 196 | Phenanthrene | 85-01-8 | 0.050 |
| XX | 197 | Pyrene | 129-00-0 | 0.050 |
| XXI | 198 | 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts | - | 0.050 |

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Member of the SGS Group (SGS SA)

| Batch | No. | Substance Name | CAS No. | RL (%) |
|---|---|---|---|---|
| | | and its acyl halides (covering any of their individual isomers and combinations thereof) | | |
| XXI | 199 | 2-methoxyethyl acetate | 110-49-6 | 0.050 |
| XXI | 200 | 4-tert-butylphenol (PTBP) | 98-54-4 | 0.050 |
| XXI | 201 | Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP) | - | 0.050 |
| XXII | 202 | 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone | 119313-12-1 | 0.050 |
| XXII | 203 | 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one | 71868-10-5 | 0.050 |
| XXII | 204 | Diisohexyl phthalate | 71850-09-4 | 0.050 |
| XXII | 205 | Perfluorobutane sulfonic acid (PFBS) and its salts | - | 0.050 |
| XXIII | 206 | 1-vinylimidazole | 1072-63-5 | 0.050 |
| XXIII | 207 | 2-methylimidazole | 693-98-1 | 0.050 |
| XXIII | 208 | Butyl 4-hydroxybenzoate | 94-26-8 | 0.050 |
| XXIII | 209 | Dibutylbis(pentane-2,4-dionato-O,O')tin** | 22673-19-4 | 0.050 |
| XXIV | 210 | bis(2-(2-methoxyethoxy)ethyl) ether | 143-24-8 | 0.050 |
| XXIV | 211 | Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety** | - | 0.050 |
| XXV | 212 | 1,4-Dioxane | 123-91-1 | 0.050 |
| XXV | 213 | 2,2-bis(bromomethyl)propane1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA) | - | 0.050 |
| XXV | 214 | 2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers | - | 0.050 |
| XXV | 215 | 4,4'-(1-methylpropylidene)bisphenol; (bisphenol B) | 77-40-7 | 0.050 |
| XXV | 216 | Glutaral | 111-30-8 | 0.050 |
| XXV | 217 | Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17] | - | 0.050 |
| XXV | 218 | Orthoboric acid, sodium salt* | 13840-56-7 | 0.005 |
| XXV | 219 | Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP) | - | 0.050 |
| XXVI | 220 | (±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan- | - | 0.050 |

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| Batch | No. | Substance Name | CAS No. | RL (%) |
|---|---|---|---|---|
| | | 2-one covering any of the individual isomers and/or combinations thereof (4-MBC) | | |
| XXVI | 221 | 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC) | 119-47-1 | 0.050 |
| XXVI | 222 | S-(tricyclo[5.2.1.0'2,6]deca-3-en-8(or 9)-yl) O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate | 255881-94-8 | 0.050 |
| XXVI | 223 | Tris(2-methoxyethoxy)vinylsilane | 1067-53-4 | 0.050 |
| XXVII | 224 | N-(hydroxymethyl)acrylamide | 924-42-5 | 0.050 |
| XXVIII | 225 | 1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene] | 37853-59-1 | 0.050 |
| XXVIII | 226 | 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol | 79-94-7 | 0.050 |
| XXVIII | 227 | 4,4'-sulphonyldiphenol | 80-09-1 | 0.050 |
| XXVIII | 228 | Barium diboron tetraoxide* | 13701-59-2 | 0.005 |
| XXVIII | 229 | Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof | - | 0.050 |
| XXVIII | 230 | Isobutyl 4-hydroxybenzoate | 4247-02-3 | 0.050 |
| XXVIII | 231 | Melamine | 108-78-1 | 0.050 |
| XXVIII | 232 | Perfluoroheptanoic acid and its salts | - | 0.050 |
| XXVIII | 233 | reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine* | - | 0.050 |
| XXIX | 234 | Bis(4-chlorophenyl) sulphone | 80-07-9 | 0.050 |
| XXIX | 235 | Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | 75980-60-8 | 0.050 |
| XXX | 236 | 2,4,6-tri-tert-butylphenol | 732-26-3 | 0.050 |
| XXX | 237 | 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329) | 3147-75-9 | 0.050 |
| XXX | 238 | 2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one | 119344-86-4 | 0.050 |
| XXX | 239 | Bumetrizole (UV-326) | 3896-11-5 | 0.050 |
| XXX | 240 | Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol | - | 0.050 |
| XXXI | 241 | Bis(α,α-dimethylbenzyl) peroxide | 80-43-3 | 0.050 |
| XXXI | 242 | Triphenyl phosphate | 115-86-6 | 0.050 |
| / | 243 | 6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid | 2156592-54-8 | 0.050 |
| / | 244 | O,O,O-triphenyl phosphorothioate | 597-82-0 | 0.050 |
| / | 245 | Octamethyltrisiloxane | 107-51-7 | 0.050 |
| / | 246 | Perfluamine | 338-83-0 | 0.050 |
| / | 247 | Reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives | 192268-65-8 | 0.050 |
| / | 248 | Tris(4-nonylphenyl, branched) phosphite | - | 0.050 |
| / | 249 | Resorcinol | 108-46-3 | 0.050 |

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SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch Technical Service Co., Ltd. Chemical Laboratory

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| Batch | No. | Substance Name | CAS No. | RL (%) |
|---|---|---|---|---|
| / | 250 | 1,1,1,3,5,5,5-heptamethyl-3-[(trimethylsilyl)oxy]trisiloxane | 17928-28-8 | 0.050 |
| / | 251 | 1,1,1,3,5,5,5-heptamethyltrisiloxane | 1873-88-7 | 0.050 |
| / | 252 | Decamethyltetrasiloxane | 141-62-8 | 0.050 |
| / | 253 | Dodecamethylpentasiloxane | 141-63-9 | 0.050 |
| / | 254 | Hexamethyldisiloxane | 107-46-0 | 0.050 |
| / | 255 | Barium chromate* | 10294-40-3 | 0.005 |

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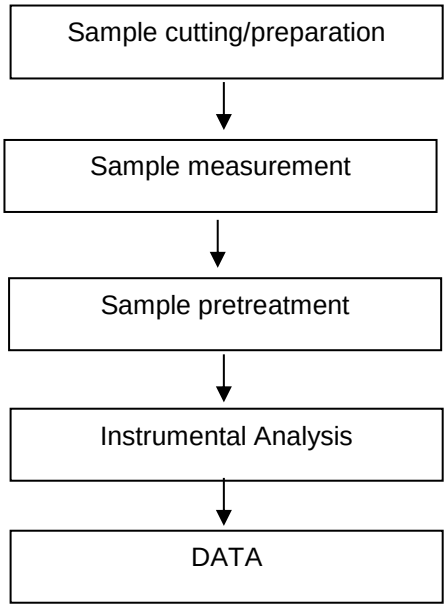
## ATTACHMENTS

### Testing Flow Chart

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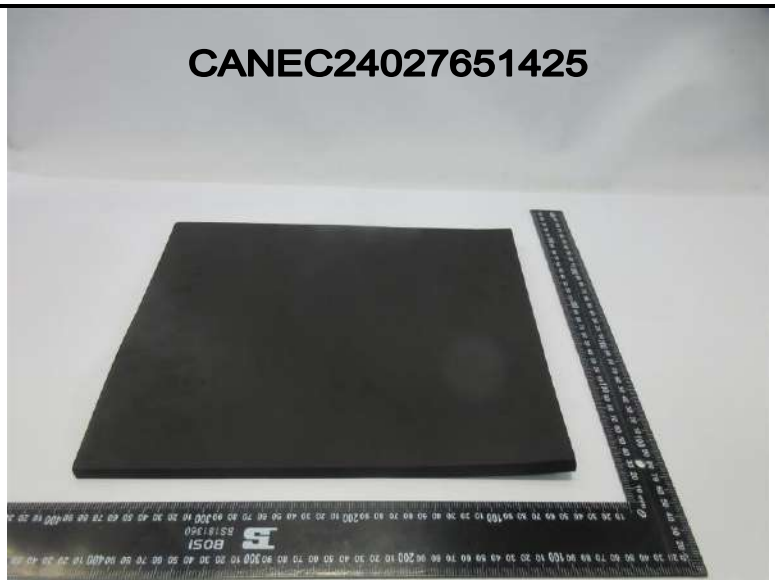
**Sample photos:**




CAN24-0276514-0001.C001

SGS authenticate the photo on original report only

*** End of Report ***

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3M Taiwan Ltd.
No. 66, Lane 800, Chung Shan S. Rd.,
Yang Mei Dist., Taoyuan City, Taiwan, R.O.C.
Tel: 886-3-4783600
Fax: 886-3-4750924

July 25, 2025

Dear Valued 3M Customer,

Re: Response to Request for Composition Information on Candidate List Substances

This letter is in response to your request for composition information on Candidate List Substances related to Art. 59.1 of Regulation No 1907/2006 of the European Parliament and the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as updated by ECHA on 25 Jun, 2025 (http://echa.europa.eu/web/guest/candidate-list-table).

You requested information regarding the following 3M product(s):

**3M Scotch Brand Polyester Tape 26T30**
**3M 89605, 89605B, 89605BB, 89608BW, 89610, 89610B, 89615, 89615B, 89620B, 89625B, 89630B**
**3M Double Coated Tape 8000 Series**
**3M Double Coated Tape 8228B, 8229B**
**3M Product 9080HL**
**3M Double Coated Tissue Tape 9888T, 9810T**
**3M Double Coated Tape 8005, 8010**
**3M XYZ-Axis Electrically Conductive Adhesive Transfer Tape (ECATT), 9855**
**3M Water Based PSA WSP-1**
**3M 89615, C40LR, AL50M, 1035, 9850**
**3M MW10T, MW10TB**
**3M 331TB-N**
**3M Adhesive Transfer Tape 6602, 6604, 66035MCF**
**3M T015XB, T020XB, T025XB, T030XB**
**3M Double Coated Tissue Tape 6408**
**3M H/L Tape 150HL, 200HL, 250HL**
**3M Stretch Release Tape SR7610, SR7615, SR7620, SR7625, SR7630, SR7650**
**3M Screen Printable Adhesive SP-7533**
**3M Double Coated Tissue Tape 9448HK, 9448HKB**
**3M Double Coated Acrylic Foam Tape APT-015, APT-020, APT-025, APT-030**
**3M Primer PT896**
**3M Y-4604, Y-4608, Y-4610, Y-4612 and Y-4620**
**3M Double Coated PE Foam Tape 1690T**
**3M Double Coated Polyethylene Foam Tapes 1600T, 1600TG, 1600TB, 1600SB**
**3M DC Tape 8016JC**

Due to the wide variation in content and format of such request forms, it is the policy of 3M to provide letters, such as this one, in response to requests for regulatory information.

On behalf of 3M Company, to the best of 3M's knowledge, the chemicals from the Candidate List as amended on 25 Jun, 2025 are not present at or above 0.1% in the product(s) listed above.

In preparing this response, 3M has relied in part on information provided by 3M suppliers.

I trust the above information is responsive to your request.

3M Taiwan Ltd.
No. 66, Lane 800, Chung Shan S. Rd.,
Yang Mei Dist., Taoyuan City, Taiwan, R.O.C.
Tel: 886-3-4783600
Fax: 886-3-4750924

Please contact me if there are any additional questions.

Sincerely,

*Sunny Chang*
Product Stewardship, Specialist

In the event any Product is proven not to conform with the information in this document, then to the extent permitted by law, 3M's entire liability and Buyer's exclusive remedy, will be at 3M's option either: (i) replacement of Product with a conforming product, or (ii) refund of the purchase price paid by Buyer for each non-conforming Product, within a reasonable time after written notification of said non-conformance and return of said Product to 3M. 3M shall not under any circumstances be liable for direct, incidental, special, or consequential damages (including but not limited to loss of profits, revenue, or business) related to or arising out of this certification, including, the use, misuse or inability to use the Product. Unless stated otherwise in writing, the foregoing language cannot be waived, modified, or supplemented in any manner whatsoever.