



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
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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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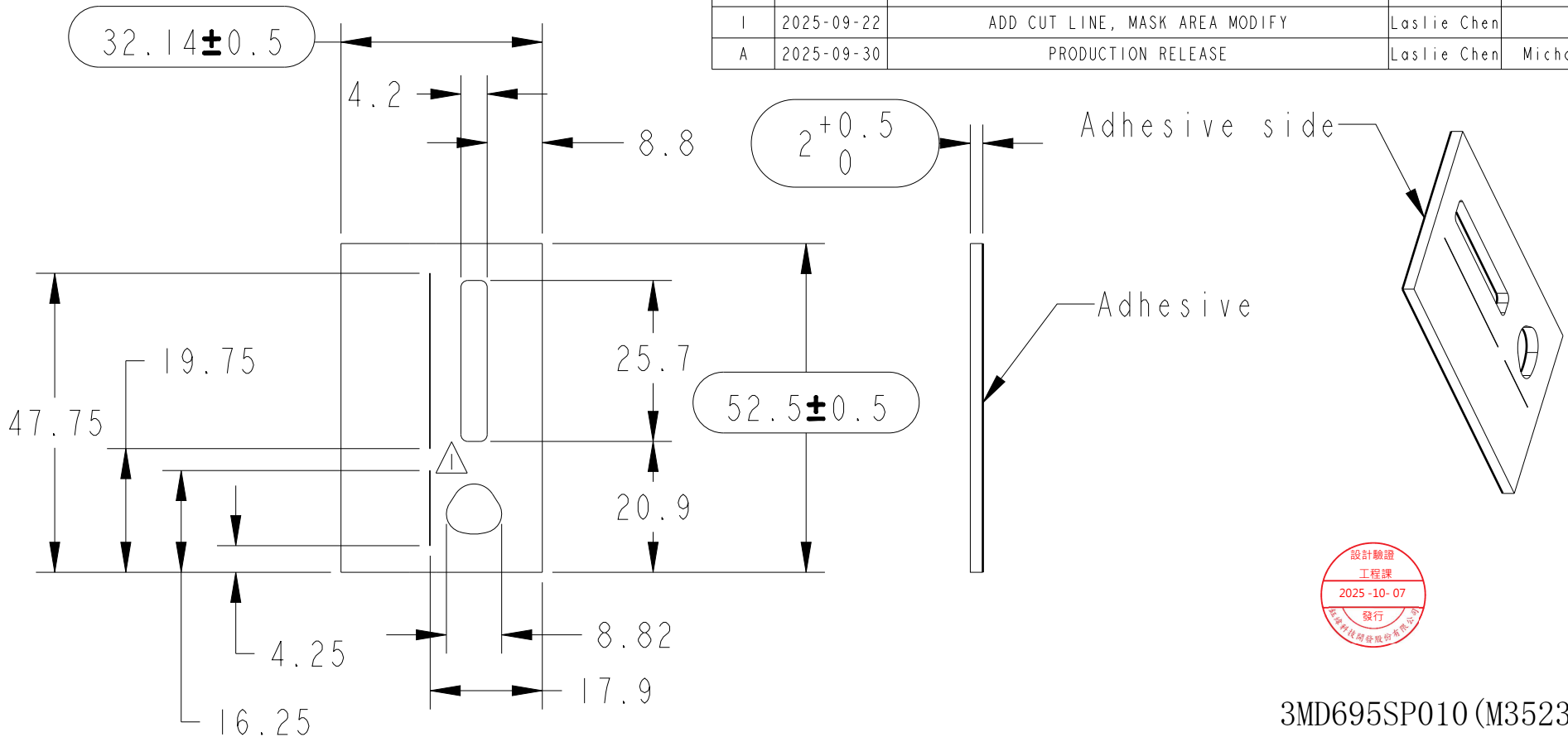
中　華　民　國 114 年 09 月 09 日

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 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 建議瞬間溫度, 最高溫	SAE J-2236 ASTM D 746-98	100℃ 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.
Warranty, Limited Remedy, and Disclaimer	Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature, 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.
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: 東莞市高埗鎮冼沙四二工業區世紀創造工業園 0769-81338788
紧急联络电话/传真电话: TEL:0769-81338788 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。 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: 1. 储存于通风良好处,避免阳光直射. 2. 远离热源、引火源、可燃物及不相容物. 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: - ● ● 生物指标:LD50:_
个人防护设备: ● 呼吸防护: 口罩 ● 手部防护: 无尘手套 ● 眼睛防护: --- ● 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: 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: 1.　需遵守现行中央、省及地方政府之相关法规. 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 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 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。

Safety Data Sheet

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This safety data sheet (SDS) is provided as a courtesy in response to a customer request. This product is not regulated under, and a SDS is not required for this product by the Regulation of Labelling and Hazard Communication of Hazardous Chemicals promulgated by Ministry of Labor because, when used as recommended or under ordinary conditions, it should not present a health and safety hazard. However, use or processing of the product not in accordance with the product's recommendations or not under ordinary conditions may affect the performance of the product and may present potential health and safety hazards.

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.

DISCLAIMER: The information on this Safety Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use

(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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t (86-20) 82155555 sgs.china@sgs.com

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.

SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch Testing Center
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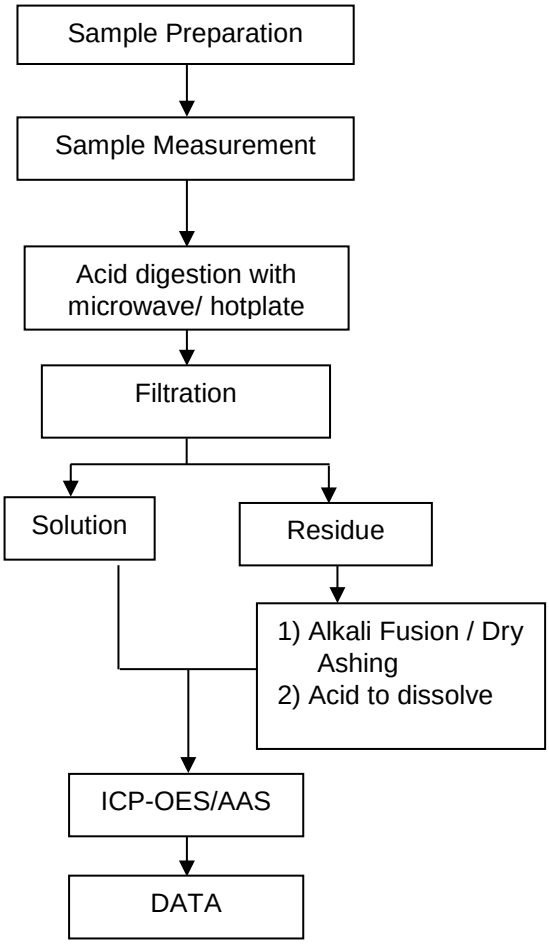
Elements Testing Flow Chart

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



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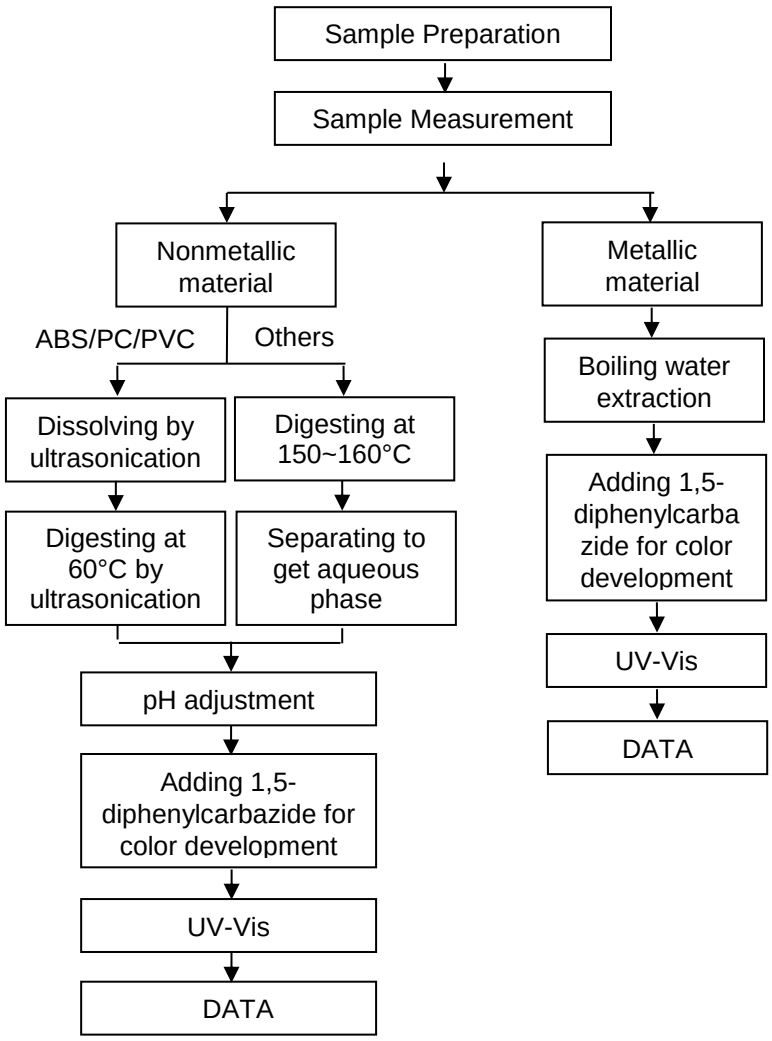
Hexavalent Chromium (Cr(VI)) Testing Flow Chart



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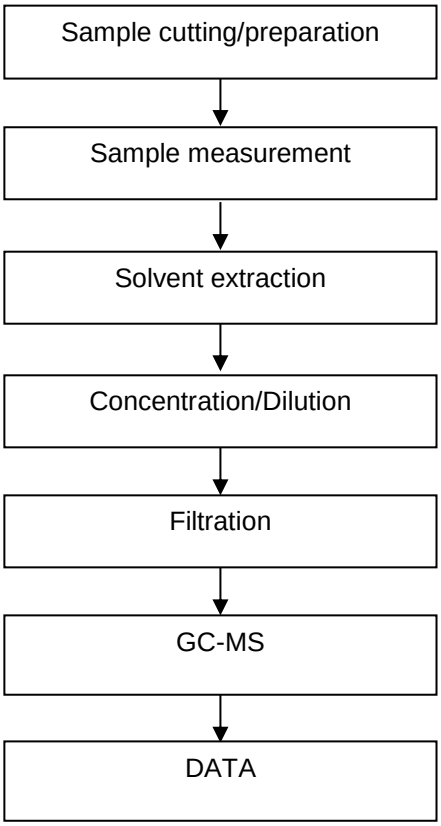
PBB/PBDE/Phthalates Testing Flow Chart



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Sample Photo:



CAN24-0276514-0001.C001

SGS authenticate the photo on original report only

*** End of Report ***

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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

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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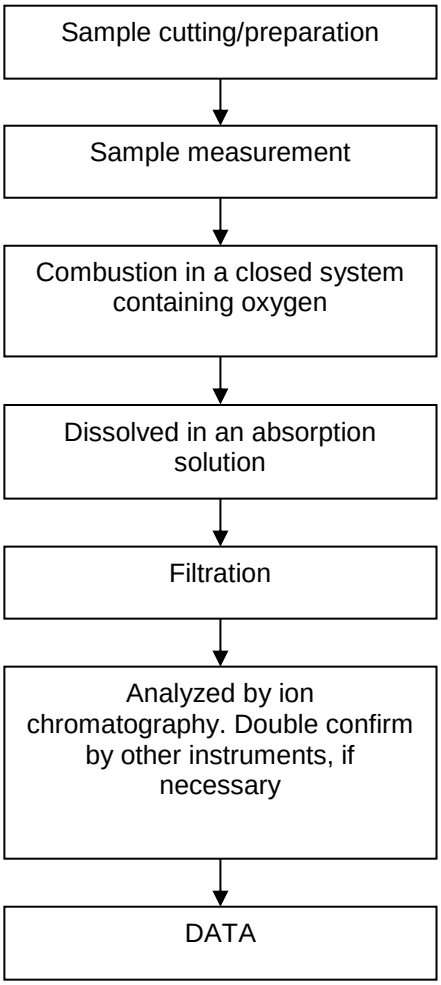
Halogen Testing Flow Chart



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Sample Photo:



CAN24-0276514-0001.C001

SGS authenticate the photo on original report only

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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.

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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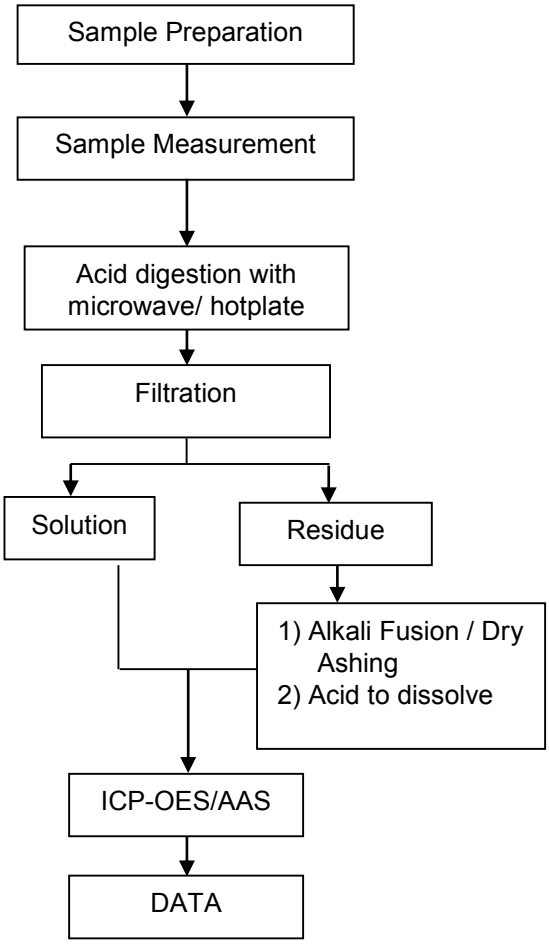
Elements Testing Flow Chart

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



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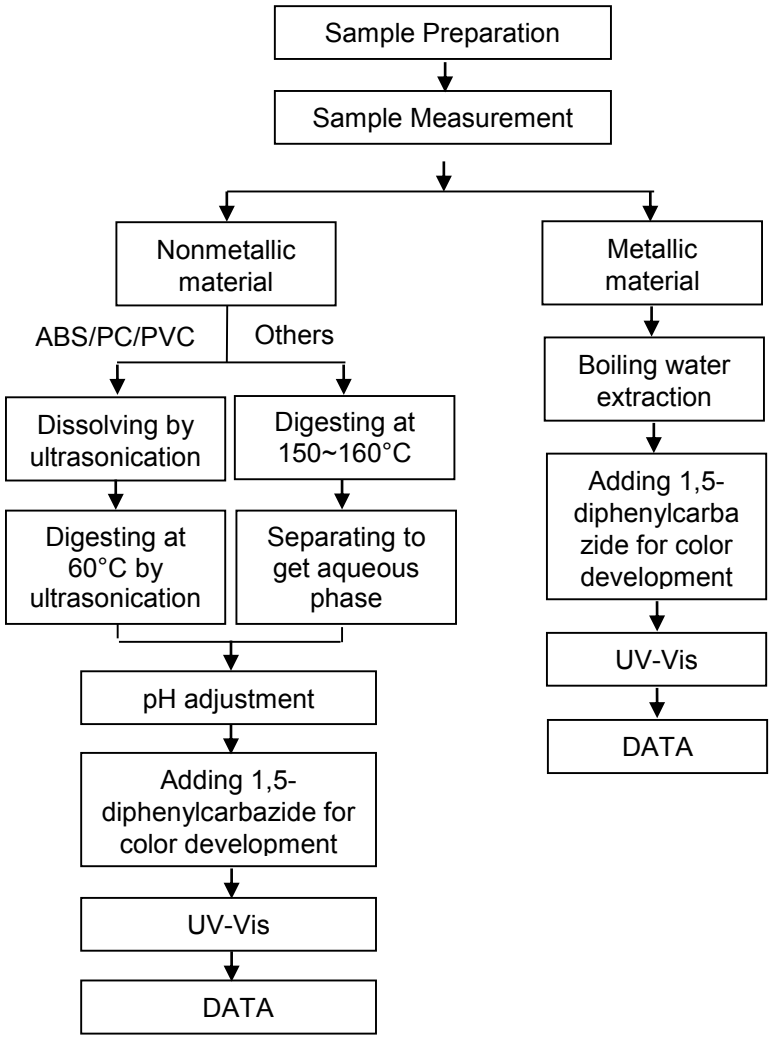
Hexavalent Chromium (Cr(VI)) Testing Flow Chart



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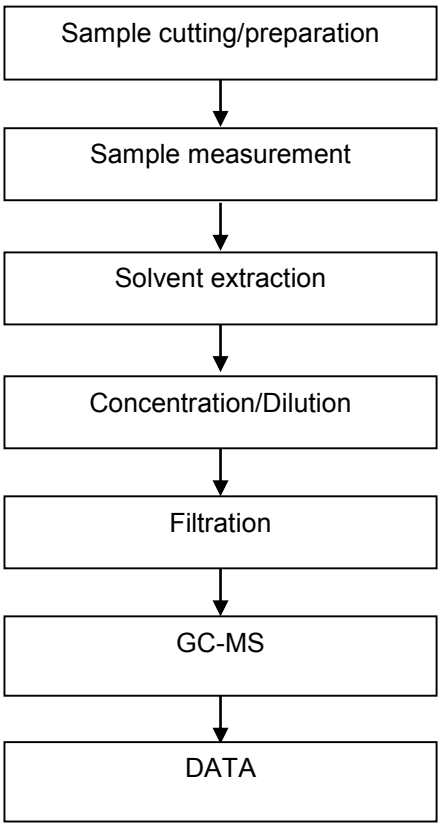
PBB/PBDE/Phthalates Testing Flow Chart



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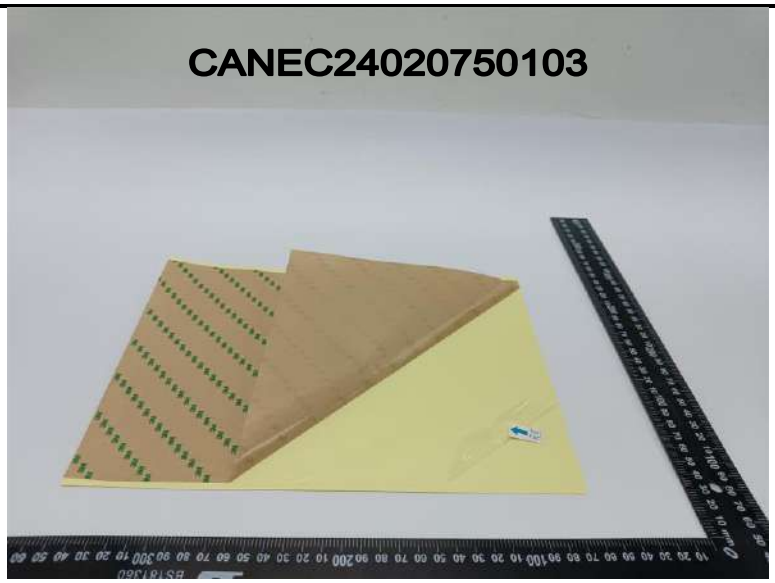

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Test Report

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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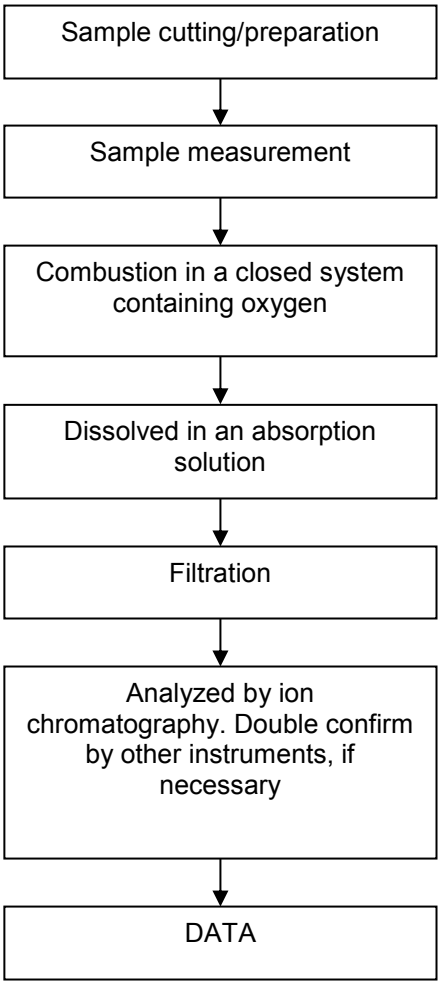
ATTACHMENTS

Halogen Testing Flow Chart



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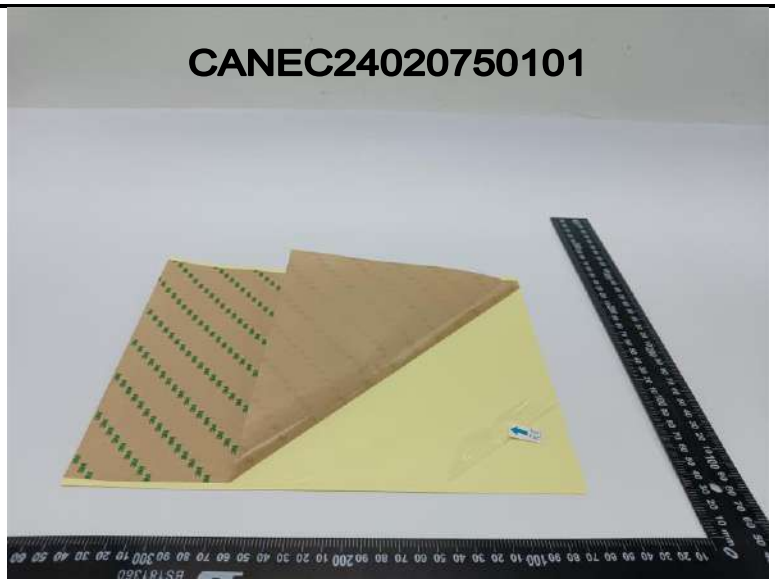
Sample Photo:



CAN24-0207501-0001.C001

SGS authenticate the photo on original report only

*** End of Report ***

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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

scan to see the report
CFE6052D

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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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Batch	No.	Substance Name	CAS No.	RL (%)
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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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

检验检测专用章 Inspection & Testing Services
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch Technical Service Technical Laboratory

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t (86-20) 82155555 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com

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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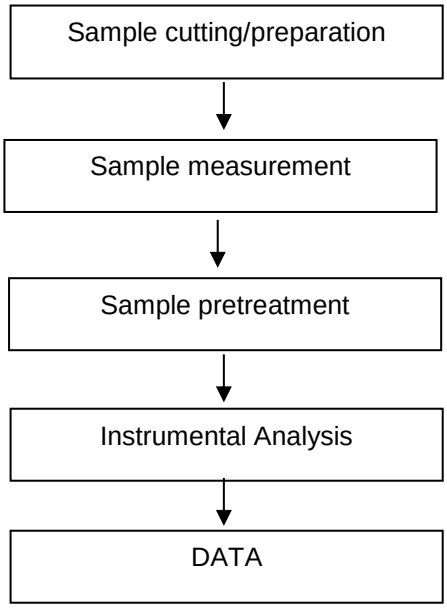
ATTACHMENTS

Testing Flow Chart



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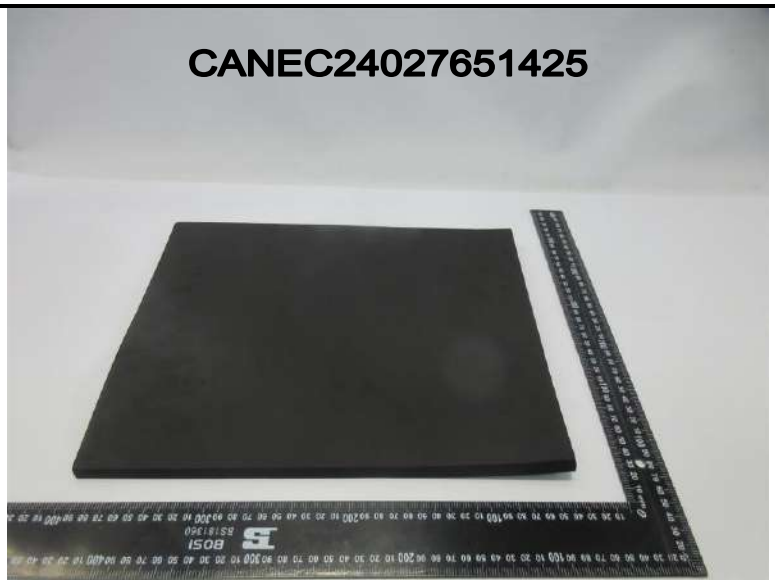
Sample photos:



CAN24-0276514-0001.C001

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*** 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.