

測試報告 (SVHC)

號碼：CC/2012/90065A 日期：2012/09/17 頁數：1 of 12

中台興化學工業股份有限公司
新竹市牛埔南路105號



以下測試樣品係由客戶送樣，且由客戶聲稱並經客戶確認如下：

樣品名稱：恐龍191防銹潤滑油
樣品型號：恐龍 DA42 420ml
收件日期：2012/09/10
測試期間：2012/09/10 TO 2012/09/17

=====
測試需求：84項高關注物質篩檢。高關注物質候選清單是根據歐洲化學總署(ECHA)於2012年06月18日，就關於REACH之Regulation (EC) No 1907/2006的公告。
測試方法：請見下一頁。
測試結果：請見下一頁。
總 結：根據歐洲化學總署及絕大部分歐盟會員國對於成品定義詮釋以及依據指定規範和分析技術，送測樣品的高關注物質(SVHC)濃度均小於0.1%。



Chenyu Kung / Operation Manager
Signed for and on behalf of
SGS TAIWAN LTD.
Chemical Laboratory – Taipei

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部分複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/en/Terms-and-Conditions/Terms-e-Document. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

測試報告 (SVHC)

號碼：CC/2012/90065A 日期：2012/09/17 頁數：2 of 12

中台興化學工業股份有限公司
新竹市牛埔南路105號



測試樣品： 透明黃色液體

測試方法： 參照SGS內部方法RSTS-EE-SVHC-007。由感應耦合電漿原子發射光譜儀，紫外光可見光譜儀，氣相層析/質譜儀，液相層析/質譜儀和氣相層析儀/火焰光度偵測器進行分析。

備註：

- 84項SVHC化學分析，依歐洲化學總署(ECHA)於2012年06月18日所公佈的清單，藉由現有的分析技術進行篩檢。
請參照：<http://echa.europa.eu/web/guest/candidate-list-table>
- 根據Regulation (EC) No 1907/2006 中第7條款第2項之規定，如果物質合乎第57條款之標準以及可依據第59(1)條之規定鑑別，且同時符合下列兩項狀況，任何成品之製造人和進口人應向歐洲化學總署(ECHA)通報：
 - 成品中所含物質每年超過1公噸。
 - 依重量百分比計算，物質濃度超過0.1%。
- Regulation (EC) No 1907/2006中第 33 條要求成品供應商，其成品所含物質符合第57條款的標準並依照第59(1)條款確定其濃度大於0.1wt%，應提供成品接受者充份可取得資訊，以確保成品的安全使用(至少包括物質的名稱)。
- 倘若SVHC超過限值，建議客戶確認含有該SVHC的零件，並要求實驗室進一步的定量分析而取得SVHC的確切濃度。

測試結果

物質名稱	成品濃度 (%)	報告極限值 (%)	分類 【附錄 A】
蔥 (CAS No.: 120-12-7)	n.d.	0.05	PBT
4,4'-二氨基二苯甲烷 (CAS No.: 101-77-9)	n.d.	0.05	CC2
鄰苯二甲酸二丁酯 (DBP) (CAS No.: 84-74-2)	n.d.	0.05	TRC2
鄰苯二甲酸甲苯基丁酯 (BBP) (CAS No.: 85-68-7)	n.d.	0.05	TRC2
鄰苯二甲酸二(2-乙基己基)酯 (DEHP) (CAS No.: 117-81-7)	n.d.	0.05	TRC2
二甲苯麝香 (CAS No.: 81-15-2)	n.d.	0.05	vPvB
六溴環十二烷及所有主要被辨別出的異構物 (HBCDD) (α -HBCDD, β -HBCDD, γ -HBCDD) (CAS No.: 25637-99-4 and 3194-55-6 (134237-51-7, 134237-50-6, 134237-52-8))	n.d.	0.05	PBT
短鏈氯化石蠟 (CAS No.: 85535-84-8)	n.d.	0.05	PBT
三丁基錫氧化物*** (CAS No.: 56-35-9)	n.d.	-	PBT
二氯化鈷 (CAS No.: 7646-79-9)	n.d.	0.005	CC2; TRC2
五氧化二砷*** (CAS No.: 1303-28-2)	n.d.	-	CC1
三氧化二砷*** (CAS No.: 1327-53-3)	n.d.	-	CC1
三乙基砷酸酯*** (CAS No.: 15606-95-8)	n.d.	-	CC1
砷酸氫鉛*** (CAS No.: 7784-40-9) (※1)	n.d.	-	CC1; TRC1
鉻酸鈉*** (CAS No.: 7775-11-3)	n.d.	-	CC2; MC2; TRC2
重鉻酸鉍*** (CAS No.: 7789-09-5)	n.d.	-	CC2; MC2; TRC2
重鉻酸鉀*** (CAS No.: 7778-50-9)	n.d.	-	CC2; MC2; TRC2

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部分複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

測試報告 (SVHC)

號碼：CC/2012/90065A 日期：2012/09/17 頁數：3 of 12

中台興化學工業股份有限公司
新竹市牛埔南路105號



物質名稱	成品濃度 (%)	報告極限值 (%)	分類 【附錄 A】
鉻酸鉀*** (CAS No.: 7789-00-6)	n.d.	-	CC2; MC2;
重鉻酸鈉*** (CAS No.: 10588-01-9, 7789-12-0(*))	n.d.	-	CC2; MC2; TRC2
三氧化鉻 *** (CAS No.: 1333-82-0)	n.d.	-	CC1; MC2
從三氧化鉻與其它寡聚體生成的酸類: 鉻酸 *** (CAS No.: 7738-94-5)	n.d.	-	CC2
從三氧化鉻與其它寡聚體生成的酸類: 重鉻酸 *** (CAS No.: 13530-68-2)	n.d.	-	CC2
從三氧化鉻與其它寡聚體生成的酸類: 鉻酸與重鉻酸的寡聚體 (*1)	n.d.	-	CC2
鉻酸鋇*** (CAS No.: 7789-06-2)	n.d.	-	CC2
蔥油 (CAS No.: 90640-80-5) (**)	n.d.	0.05	PBT; vPvB; CC2
蔥油, 蔥糊, 輕油 (CAS No.: 91995-17-4) (**)	n.d.	0.05	PBT; vPvB; CC2; MC2
蔥油, 蔥糊, 蔥餾分 (CAS No.: 91995-15-2) (**)	n.d.	0.05	PBT; vPvB; CC2; MC2
蔥油, 含蔥量少 (CAS No.: 90640-82-7) (**)	n.d.	0.05	PBT; vPvB; CC2; MC2
蔥油, 蔥糊 (CAS No.: 90640-81-6) (**)	n.d.	0.05	PBT; vPvB; CC2; MC2
煤瀝青, 高溫 (CAS No.: 65996-93-2) (**)	n.d.	0.05	PBT; vPvB; CC2
鄰苯二甲酸二異丁酯 (DIBP) (CAS No.: 84-69-5)	n.d.	0.05	TRC2
2,4-二硝基甲苯 (CAS No.: 121-14-2)	n.d.	0.05	CC2
磷酸三(2-氯乙基)酯 (TCEP) (CAS No.: 115-96-8)	n.d.	0.05	TRC2
鉻酸鉛 (CAS No.: 7758-97-6)	n.d.	0.01	CC2; TRC1
鉬鉻紅; 顏色索引: 顏料紅104 (CAS No.: 12656-85-8)	n.d.	0.01	CC2; TRC1
鉻酸鉛; 顏色索引: 顏料黃34 (CAS No.: 1344-37-2)	n.d.	0.01	CC2; TRC1
丙烯醯胺 (CAS No.: 79-06-1)	n.d.	0.05	CC2; MC2
硼酸*** (CAS No.: 10043-35-3; 11113-50-1)	n.d.	-	TRC2
無水四硼酸二鈉*** (CAS No.: 1303-96-4, 1330-43-4, 12179-04-3)	n.d.	-	TRC2
水合硼酸鈉 (CAS No.: 12267-73-1) (*2)	n.d.	-	TRC2
三氯乙烯 (CAS No.: 79-01-6)	n.d.	0.05	CC2
硫酸鈷(二價) *** (CAS No.: 10124-43-3)	n.d.	-	CC2; TRC2
硝酸鈷(二價) *** (CAS No.: 10141-05-6)	n.d.	-	CC2; TRC2
碳酸鈷(二價) *** (CAS No.: 513-79-1)	n.d.	-	CC2; TRC2
醋酸鈷(二價) *** (CAS No.: 71-48-7)	n.d.	-	CC2; TRC2
乙二醇甲醚 (CAS No.: 109-86-4)	n.d.	0.05	TRC2
乙二醇乙醚 (CAS No.: 110-80-5)	n.d.	0.05	TRC2
乙二醇乙醚乙酸酯 (CAS No.: 111-15-9)	n.d.	0.05	TRC2
鄰苯二甲酸二(C7-11支鏈與直鏈)烷基酯 (CAS No.: 68515-42-4)	n.d.	0.05	TRC2
聯氨 (CAS No.: 7803-57-8; 302-01-2)	n.d.	0.05	CC2

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明, 此報告結果僅對測試之樣品負責。本報告未經本公司書面許可, 不可部分複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

測試報告 (SVHC)

號碼：CC/2012/90065A 日期：2012/09/17 頁數：4 of 12

中台興化學工業股份有限公司
新竹市牛埔南路105號



物質名稱	成品濃度 (%)	報告極限值 (%)	分類 【附錄 A】
N-甲基吡咯烷酮 (CAS No.: 872-50-4)	n.d.	0.05	TRC2
1,2,3-三氯丙烷 (CAS No.: 96-18-4)	n.d.	0.05	CC2; TRC2
鄰苯二甲酸二(C6-8支鏈與直鏈)烷基酯, 富C7 (DIHP) (CAS No.: 71888-89-6)	n.d.	0.05	TRC2
砷酸*** (CAS No.: 7778-39-4)	n.d.	-	CC1
砷酸鈣*** (CAS No.: 7778-44-1)	n.d.	-	CC1
砷酸鉛*** (CAS No.: 3687-31-8) (※1)	n.d.	-	CC1; TRC1
疊氮化鉛*** (CAS No.: 13424-46-9)	n.d.	-	TRC1
中性斯蒂酚酸鉛*** (CAS No.: 15245-44-0)	n.d.	-	TRC1
苦味酸鉛*** (CAS No.: 6477-64-1)	n.d.	-	TRC1
鉻酸鉻*** (CAS No.: 24613-89-6)	n.d.	-	CC2
氫氧化鉻酸鉍*** (CAS No.: 11103-86-9)	n.d.	-	CC1
八氫氧化五鉻酸鉍*** (CAS No.: 49663-84-5)	n.d.	-	CC1
甲醛與苯胺的寡聚體 (CAS No.: 25214-70-4)	n.d.	0.05	CC2
鄰苯二甲酸二甲氧基乙酯 (CAS No.: 117-82-8)	n.d.	0.05	TRC2
鄰甲氧基苯胺 (CAS No.: 90-04-0)	n.d.	0.05	CC2
對特辛基苯酚 / 辛基酚 (CAS No.: 140-66-9)	n.d.	0.05	相同危害等級
1,2-二氯乙烷 (CAS No.: 107-06-2)	n.d.	0.05	CC2
雙(2-甲氧基乙基)醚 (CAS No.: 111-96-6)	n.d.	0.05	TRC2
N,N-二甲基乙醯胺 (DMAC) (CAS No.: 127-19-5)	n.d.	0.05	TRC2
4,4'-亞甲雙(2-氯苯胺) (MOCA) (CAS No.: 101-14-4)	n.d.	0.05	CC2
酚酞 (CAS No.: 77-09-8)	n.d.	0.05	CC2
矽酸鋁, 耐火陶瓷纖維 (主要成分濃度於可變範圍內)	n.d.	0.05	CC2
鋁矽酸鋁, 耐火陶瓷纖維 (主要成分濃度於可變範圍內)	n.d.	0.05	CC2
三甘醇二甲醚 (CAS No.: 112-49-2)	n.d.	0.05	TRC2
乙二醇二甲醚 (EGDME) (CAS No.: 110-71-4)	n.d.	0.05	TRC2
甲醯胺 (CAS No.: 75-12-7)	n.d.	0.05	TRC2
甲基磺酸鉛 *** (CAS No.: 17570-76-2)	n.d.	-	TRC2
異氰尿酸三縮水甘油酯 (CAS No.: 2451-62-9)	n.d.	0.05	MC2
異氰尿酸β-三縮水甘油酯 (CAS No.: 59653-74-6) (※3)	n.d.	0.05	MC2
4,4'-二(N,N-二甲氨基)二苯甲酮 (米氏酮) (CAS No.: 90-94-8)	n.d.	0.05	CC2
4,4'-(對二甲氨基)二苯基甲烷 (米氏鹼) (CAS No.: 101-61-1)	n.d.	0.05	CC2
鹼性紫 3 [內含≥ 0.1% 的米氏酮或米氏鹼] (CAS No.: 548-62-9)	n.d.	0.05	CC2
鹼性藍 26 [內含≥ 0.1% 的米氏酮或米氏鹼] (CAS No.: 2580-56-5)	n.d.	0.05	CC2

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明, 此報告結果僅對測試之樣品負責。本報告未經本公司書面許可, 不可部分複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

測試報告 (SVHC)

號碼：CC/2012/90065A 日期：2012/09/17 頁數：5 of 12

中台興化學工業股份有限公司
新竹市牛埔南路105號



物質名稱	成品濃度 (%)	報告極限值 (%)	分類 【附錄 A】
溶劑藍 4 [內含 ≥ 0.1% 的米氏酮或米氏鹼] (CAS No.: 6786-83-0)	n.d.	0.05	CC2
三氧化二硼 *** (CAS No.: 1303-86-2)	n.d.	-	TRC2
α, α-二[(二甲氨基)苯基]-4-甲氨基苯甲醇 [內含 ≥ 0.1% 的米氏酮或米氏鹼] (CAS No.: 561-41-1)	n.d.	0.05	CC2

備註：

1. mg/kg = ppm ; 0.1wt% = 1000ppm
2. n.d.= not detected = below Reporting Limit / 未檢出
3. RL = Reporting Limit / 報告極限值
4. 列於附錄A中之分類定義是根據67/548/EE以及Regulation (EC) No 1907/2006.
5. "-" = Not Regulated (無規格值)
6. (*): 重鉻酸鈉二水合物(CAS No.: 7789-12-0)含量 = 重鉻酸鈉含量 × 1.1374
7. (**): 上述混合物的濃度是經由所獲得的成分比例介於被選擇標靶物及混合物所推估出來.
8. (*2): 水合硼酸鈉: 依照歐洲化學總署解釋以無水四硼酸二鈉數據作為代表(歐洲化學總署回信編號 Ref no.: INC 000000032519).
9. (*1): 鉻酸與重鉻酸的寡聚體: 因為其寡聚體是由未知數的鉻酸或與重鉻酸所組成, 而導致沒有固定分子量, 因此以單體鉻酸或重鉻酸較為重要並應被考慮。
10. ***: 該物質是由"三丁基錫"或各別元素 (例如: 砷、鉛、六價鉻、硼、鈷)之測試結果計算得知。

$$AX = A \times F$$

AX	A	F
五氧化二砷	砷	1.5339
三氧化二砷		1.3203
三乙基砷酸酯		3.0179
砷酸氫鉛		4.6332
砷酸鉛	鉛	1.6753
砷酸	砷	1.447
砷酸鈣		6.0025
三丁基錫氧化物		三丁基錫
甲基磺酸鉛	鉛	2.6566
苦味酸鉛		1.0276
中性斯蒂酚酸鉛		1.9179
疊氮化鉛		3.2017
		2.1732
	1.4056	

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明, 此報告結果僅對測試之樣品負責。本報告未經本公司書面許可, 不可部分複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/en/Terms-and-Conditions/Terms-e-Document. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

測試報告 (SVHC)

號碼：CC/2012/90065A 日期：2012/09/17 頁數：6 of 12

中台興化學工業股份有限公司
新竹市牛埔南路105號



AX = A × F

AX	A	F
重鉻酸鈉	六價鉻	2.5192
鉻酸鈉		3.1151
重鉻酸銨		2.4239
重鉻酸鉀		2.8289
鉻酸鉀		3.7347
三氧化鉻		1.9231
鉻酸		2.2696
重鉻酸		2.0963
鉻酸鋁		3.9159
八氫氧化五鉻酸鋅		11.1345
氫氧化鉻酸鋅鉀		4.0277
鉻酸鉻		2.8975
硼酸		硼
無水四硼酸二鈉	4.6531	
水合硼酸鈉(五水四硼酸二鈉)	6.7361	
水合硼酸鈉(十水四硼酸二鈉)	8.8191	
三氧化二硼	3.2199	
硫酸鈷(二價)	鈷	2.63
硝酸鈷(二價)		3.1042
碳酸鈷(二價)		2.0183
醋酸鈷(二價)		3.0038

測試結果如下：

物質名稱	成品濃度 (%)	報告極限值 (%)
三丁基錫 (TBT)	n.d.	0.05
砷	n.d.	0.005
鉛	n.d.	0.005
六價鉻	n.d.	0.005
硼	n.d.	0.005
鈷	n.d.	0.005

- (※1): 此砷鉛化合物之濃度是取砷及鉛兩者各別換算出砷鉛化合物濃度，並取其最小值做為最後出報告之依據。
- (※3): 由於TGIC本身含有β-TGIC，依照ECHA 技術文件 β-TGIC與 TGIC 約為 1:10 比例，因此β-TGIC將以1/10 的TGIC計算濃度。

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部分複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

測試報告 (SVHC)

號碼：CC/2012/90065A

日期：2012/09/17

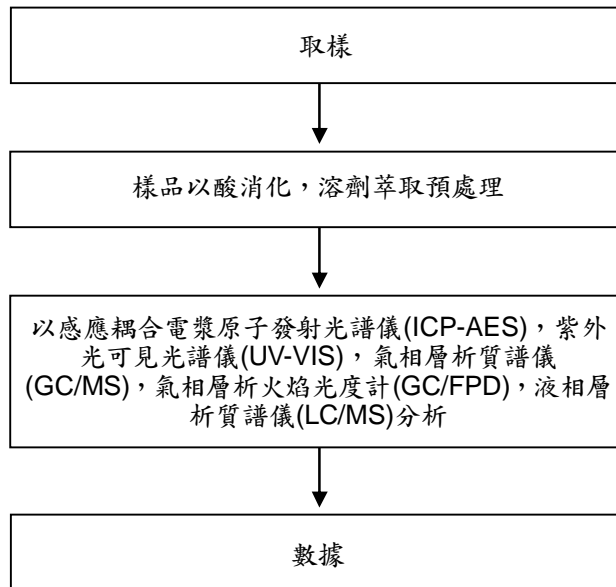
頁數：7 of 12

中台興化學工業股份有限公司
新竹市牛埔南路105號



SVHC 分析流程圖

- 1) 測試人員：翁賜彬/周穗華/楊登偉
- 2) 測試負責人：龔振裕



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部分複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/en/Terms-and-Conditions/Terms-e-Document. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

測試報告 (SVHC)

號碼：CC/2012/90065A 日期：2012/09/17 頁數：8 of 12

中台興化學工業股份有限公司
新竹市牛埔南路105號



* 照片中如有箭頭標示，則表示為實際檢測之樣品/部位。*

CC/2012/90065



SGSC12900650101

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部分複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/en/Terms-and-Conditions/Terms-e-Document. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

測試報告 (SVHC)

號碼：CC/2012/90065A 日期：2012/09/17 頁數：9 of 12

中台興化學工業股份有限公司
新竹市牛埔南路105號



【附錄 A】

分類	67/548/EEC以及Regulation (EC) No 1907/2006下的定義
CC1: 致癌物質 類別1	已知會對人類致癌的物質。有足夠的證據證明人體暴露於該物質和癌症發展之間有相互的關聯性。
CC2: 致癌物質 類別2	應被視為可能對人體會導致致癌的物質。有足夠的證據強力推論人體暴露於該物質可能導致癌症發展，上述基於下列研究所得之結果： - 適當的長期動物實驗。 - 其他相關資訊。
MC1: 導致基因突變 類別1	已知會對人類導致基因突變的物質。有足夠的證據證明人體暴露於該物質和遺傳基因損害之間有相互的關聯性。
MC2: 導致基因突變 類別2	應被視為是否對人體會導致基因突變的物質。有足夠的證據強力推論人體暴露於該物質可能導致遺傳基因損害，上述基於下列研究所得之結果： - 適當的動物實驗。 - 其他相關資訊。
TRC1: 對生殖系統有害 類別1	已知會損害人體生殖能力的物質。有足夠的證據證明人體暴露於該物質和生殖能力削弱之間有相互的關聯性。 已知會在人體引起毒性的物質。有足夠的證據證明人體暴露於該物質和其後產生之毒性對後代造成影響有相互之關聯性。
TRC2: 對生殖系統有害 類別2	應被視為可能會損害人體生殖能力的物質。有足夠的證據證明人體暴露於該物質可能導致損害人體生殖能力的有力推論，上述基於下列研究所得之結果： - 缺少毒性作用的生殖能力削弱動物實驗中的明顯證據，或在同使用量下其他毒性作用但不是其他毒性作用的輔助非特定結果的生殖能力削弱證據。 - 其他相關資訊。 應被視為可能在人體引起毒性發展的物質 有足夠的證據提供人體暴露於該物質可能引起毒性發展的有力推論，整體而言是基於： -在適當動物實驗研究所進行缺乏顯著母體毒性徵象或在同使用量下其他毒性作用但不是其他毒性作用的輔助非特定結果的生殖能力削弱證據觀察，所得到之明顯結果。 - 其他相關資訊。
PBT 長期生物蓄積性及毒性物質 & vPvB 高持久性和高生物蓄積性物質	長期生物蓄積性及毒性物質 (PBT) 或高持久性和高生物蓄積性物質 (vPvB) 造成化學安全管理上特別挑戰。這些物質在環境中無法用一個“安全”濃度建立足夠的可靠度。

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部分複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/en/Terms-and-Conditions/Terms-e-Document. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

測試報告 (SVHC)

號碼：CC/2012/90065A 日期：2012/09/17 頁數：10 of 12

中台興化學工業股份有限公司
新竹市牛埔南路105號



【附錄 B】

SVHC 調查表			
公司名稱	中台興化學工業股份有限公司		
樣品名稱	恐龍191防銹潤滑油		
產品/取樣重量	30 g		
報告號碼	CC/2012/90065A		
物質鑑定			
物質名稱	成品濃度 (%)	重量 (mg)	安全資訊的提供, 根據 Article 33
蔥	n.d.	N/A	No
4,4' - 二氨基二苯甲烷	n.d.	N/A	No
鄰苯二甲酸二丁酯 (DBP)	n.d.	N/A	No
鄰苯二甲酸甲苯基丁酯 (BBP)	n.d.	N/A	No
鄰苯二甲酸二(2-乙基己基)酯 (DEHP)	n.d.	N/A	No
二甲苯麝香	n.d.	N/A	No
六溴環十二烷及所有主要被辨別出的異構物 (HBCDD) (α -HBCDD, β -HBCDD, γ -HBCDD)	n.d.	N/A	No
短鏈氯化石蠟	n.d.	N/A	No
三丁基錫氧化物	n.d.	N/A	No
二氯化鈷	n.d.	N/A	No
五氧化二砷	n.d.	N/A	No
三氧化二砷	n.d.	N/A	No
三乙基砷酸酯	n.d.	N/A	No
砷酸氫鉛	n.d.	N/A	No
鉻酸鈉	n.d.	N/A	No
重鉻酸銨	n.d.	N/A	No
重鉻酸鉀	n.d.	N/A	No
鉻酸鉀	n.d.	N/A	No
重鉻酸鈉	n.d.	N/A	No
三氧化鉻	n.d.	N/A	No
從三氧化鉻與其它寡聚體生成的酸類: 鉻酸	n.d.	N/A	No
從三氧化鉻與其它寡聚體生成的酸類: 重鉻酸	n.d.	N/A	No
從三氧化鉻與其它寡聚體生成的酸類: 鉻酸與重鉻酸的寡聚體	n.d.	N/A	No
鉻酸鋇	n.d.	N/A	No

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明, 此報告結果僅對測試之樣品負責。本報告未經本公司書面許可, 不可部分複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/en/Terms-and-Conditions/Terms-e-Document. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

測試報告 (SVHC)

號碼：CC/2012/90065A 日期：2012/09/17 頁數：11 of 12

中台興化學工業股份有限公司
新竹市牛埔南路105號



物質名稱	成品濃度 (%)	重量 (mg)	安全資訊的提供, 根據 Article 33
蔥油	n.d.	N/A	No
蔥油, 蔥糊, 輕油	n.d.	N/A	No
蔥油, 蔥糊, 蔥餡分	n.d.	N/A	No
蔥油, 含蔥量少	n.d.	N/A	No
蔥油, 蔥糊	n.d.	N/A	No
煤瀝青, 高溫	n.d.	N/A	No
鄰苯二甲酸二異丁酯 (DIBP)	n.d.	N/A	No
2,4-二硝基甲苯	n.d.	N/A	No
磷酸三 (2-氯乙基) 酯 (TCEP)	n.d.	N/A	No
鉻酸鉛	n.d.	N/A	No
鉬鉻紅; 顏色索引: 顏料紅104	n.d.	N/A	No
鉻酸鉛; 顏色索引: 顏料黃34	n.d.	N/A	No
丙烯醯胺	n.d.	N/A	No
硼酸	n.d.	N/A	No
無水四硼酸二鈉	n.d.	N/A	No
水合硼酸鈉	n.d.	N/A	No
三氯乙烯	n.d.	N/A	No
硫酸鈷(二價)	n.d.	N/A	No
硝酸鈷(二價)	n.d.	N/A	No
碳酸鈷(二價)	n.d.	N/A	No
醋酸鈷(二價)	n.d.	N/A	No
乙二醇甲醚	n.d.	N/A	No
乙二醇乙醚	n.d.	N/A	No
乙二醇乙醚乙酸酯	n.d.	N/A	No
鄰苯二甲酸二 (C7-11支鏈與直鏈) 烷基酯	n.d.	N/A	No
聯氨	n.d.	N/A	No
N-甲基吡咯烷酮	n.d.	N/A	No
1,2,3-三氯丙烷	n.d.	N/A	No
鄰苯二甲酸二 (C6-8支鏈與直鏈) 烷基酯, 富C7 (DIHP)	n.d.	N/A	No
砷酸	n.d.	N/A	No
砷酸鈣	n.d.	N/A	No
砷酸鉛	n.d.	N/A	No
疊氮化鉛	n.d.	N/A	No
中性斯蒂酚酸鉛	n.d.	N/A	No

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明, 此報告結果僅對測試之樣品負責。本報告未經本公司書面許可, 不可部分複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

測試報告 (SVHC)

號碼：CC/2012/90065A 日期：2012/09/17 頁數：12 of 12

中台興化學工業股份有限公司
新竹市牛埔南路105號



物質名稱	成品濃度 (%)	重量 (mg)	安全資訊的提供, 根據 Article 33
苦味酸鉛	n.d.	N/A	No
鉻酸鉻	n.d.	N/A	No
氫氧化鉻酸鋅鉀	n.d.	N/A	No
八氫氧化五鉻酸鋅	n.d.	N/A	No
甲醛與苯胺的寡聚體	n.d.	N/A	No
鄰苯二甲酸二甲氧基乙酯	n.d.	N/A	No
鄰甲氧基苯胺	n.d.	N/A	No
對特辛基苯酚 / 辛基酚	n.d.	N/A	No
1,2-二氯乙烷	n.d.	N/A	No
双(2-甲氧基乙基)醚	n.d.	N/A	No
N,N-二甲基乙醯胺 (DMAC)	n.d.	N/A	No
4,4'-亞甲雙(2-氯苯胺) (MOCA)	n.d.	N/A	No
酚酞	n.d.	N/A	No
矽酸鋁, 耐火陶瓷纖維 (主要成分濃度於可變範圍內)	n.d.	N/A	No
鋁矽酸鋁, 耐火陶瓷纖維 (主要成分濃度於可變範圍內)	n.d.	N/A	No
三甘醇二甲醚	n.d.	N/A	No
乙二醇二甲醚 (EGDME)	n.d.	N/A	No
甲醯胺	n.d.	N/A	No
甲基磺酸鉛	n.d.	N/A	No
異氰尿酸三縮水甘油酯	n.d.	N/A	No
異氰尿酸β-三縮水甘油酯	n.d.	N/A	No
4,4'-二(N,N-二甲氨基)二苯甲酮 (米氏酮)	n.d.	N/A	No
4,4'-(對二甲氨基)二苯基甲烷 (米氏鹼)	n.d.	N/A	No
鹼性紫 3 [內含≥ 0.1% 的米氏酮或米氏鹼]	n.d.	N/A	No
鹼性藍 26 [內含≥ 0.1% 的米氏酮或米氏鹼]	n.d.	N/A	No
溶劑藍 4 [內含≥ 0.1% 的米氏酮或米氏鹼]	n.d.	N/A	No
三氧化二硼	n.d.	N/A	No
α, α'-二[(二甲氨基)苯基]-4-甲氨基苯甲醇 [內含≥ 0.1% 的米氏酮或米氏鹼]	n.d.	N/A	No

備註:

(A) N/A = 不適用

** 報告結尾 **

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明, 此報告結果僅對測試之樣品負責。本報告未經本公司書面許可, 不可部分複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/en/Terms-and-Conditions/Terms-e-Document. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.