

測試報告 Test Report

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士登實業股份有限公司

PEACCO ENTERPRISE CORP.

台北縣新莊市雙鳳路123號5樓

5F, NO. 123, SHUAN FONG ROAD, SINJHUANG CITY, TAIPEI

COUNTY 24261, TAIWAN, R. O. C.



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 (The following samples was/were submitted and identified by/on behalf of the client as) :

樣品名稱(Sample Description) : 比可無鉻耐蝕金屬表面處理液 (PEACCO NON-CHROMATE METAL SURFACE TREATMENT SOLUTIONS)
樣品型號(Style/Item No.) : N7111-1
收件日期(Sample Receiving Date) : 2008/12/09
測試期間(Testing Period) : 2008/12/09 TO 2008/12/16

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測試需求(Test Requested) : 15項高關注物質(SVHC)篩檢以及額外的環十二烷是依客戶特定要求
高關注物質(SVHC)清單是根據歐洲化學總署(ECHA)於2008年10月28日，就關於REACH之
Regulation (EC) No 1907/2006的公告。/ Fifteen (15) Substances of Very High
Concern (SVHC) screening in addition of cyclododecane by specific client's
request.

SVHC list based on the publication by European Chemicals Agency (ECHA) on 2008
October 28, regarding Regulation (EC) No 1907/2006 concerning the REACH.

測試方法(Test Method) : 請見下一頁 (Please refer to next pages).

測試結果(Test Results) : 請見下一頁 (Please refer to next pages).

Chenyu Kung / Operation Manager

Signed for and on behalf of

SGS TAIWAN LTD.

Chemical Laboratory – Taipei

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測試結果(Test Results)

測試部位(PART NAME) NO.1 : 透明液體 (TRANSPARENT LIQUID)

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	方法偵測 極限值 (MDL)	結果 (Result)
				NO.1
蒽/ Anthracene (CAS No.: 000120-12-7)	mg/kg	參考ZLS standard ZEK 01.1-08方法, 以氣相層析質譜儀檢測. / With reference to ZEK 01.1-08. Analyzed by GC/MS.	0.2	n.d.
4,4' - 二氨基二苯甲烷 / 4,4' - Diaminodiphenylmethane (CAS No.: 000101-77-9)	mg/kg	參考EN 14362-1: 2003方法, 以氣相層析質譜儀檢測. / With reference to EN 14362-1: 2003. Analyzed by GC/MS.	20	n.d.
鄰苯二甲酸二丁酯 / Dibutyl phthalate (DBP) (CAS No.: 000084-74-2)	mg/kg	參考EN 14372:2004, 以氣相層析儀質譜儀檢測. / With reference to EN 14372: 2004. Analyzed by GC/MS.	30	n.d.
鄰苯二甲酸丁酯苯甲酯 / Benzyl butyl phthalate (BBP) (CAS No.: 000085-68-7)	mg/kg	參考EN 14372:2004, 以氣相層析儀質譜儀檢測. / With reference to EN 14372: 2004. Analyzed by GC/MS.	30	n.d.
鄰苯二甲酸二(2-乙基己基)酯 / Bis (2-ethylhexyl) phthalate (DEHP) (CAS No.: 000117-81-7)	mg/kg	參考EN 14372:2004, 以氣相層析儀質譜儀檢測. / With reference to EN 14372: 2004. Analyzed by GC/MS.	30	n.d.
二甲苯麝香 / 5-tert-butyl-2,4,6-trinitro- m-xylene (Musk Xylene) (CAS No.: 000081-15-2)	mg/kg	參考US EPA 3550C:1996方法, 以氣相層析質譜儀檢測. / With reference to US EPA 3550C:1996. Analyzed by GC/MS.	10	n.d.
六溴環十二烷及所有主要被辨別出的異構物 / Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α - HBCDD, β - HBCDD, γ - HBCDD) (CAS No.: 025637-99-4 and 003194-55-6 (134237-51-7, 134237-50-6, 134237-52-8))	mg/kg	參考US EPA 3540C:1996方法, 以氣相層析質譜儀檢測. / With reference to US EPA 3540C:1996. Analyzed by GC/MS.	5	n.d.

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測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	方法偵測 極限值 (MDL)	結果 (Result)
				NO.1
短鏈氯化石蠟 / Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) (CAS No.: 085535-84-8)	mg/kg	參考US EPA 3540C:1996方法, 以氣相層析質譜儀檢測。 / With reference to US EPA 3540C:1996. Analyzed by GC/MS.	100	n.d.
三丁基錫氧化物 / Bis(tributyltin)oxide*** (CAS No.: 000056-35-9)	mg/kg	參考ISO 17353:2004-9方法, 以氣相層析質譜儀檢測。 / With reference to BS ISO 17353:2004. Analyzed by GC/MS.	30	n.d.
氯化鈷 / Cobalt dichloride*** (CAS No.: 007646-79-9)	mg/kg	參考US EPA 3052:1996方法, 用感應耦合電漿原子發射光譜儀檢測。 / With reference to US EPA 3052:1996. Analyzed by ICP-AES.	2	n.d.
五氧化二砷 / Diarsenic pentaoxide*** (CAS No.: 001303-28-2)	mg/kg	參考US EPA 3052:1996方法, 用感應耦合電漿原子發射光譜儀檢測。 / With reference to US EPA 3052:1996. Analyzed by ICP-AES.	10	n.d.
三氧化二砷 / Diarsenic trioxide*** (CAS No.: 001327-53-3)	mg/kg	參考US EPA 3052:1996方法, 用感應耦合電漿原子發射光譜儀檢測。 / With reference to US EPA 3052:1996. Analyzed by ICP-AES.	10	n.d.
三乙基砷酸鹽 / Triethyl arsenate*** (CAS No.: 015606-95-8)	mg/kg	參考US EPA 3052:1996方法, 用感應耦合電漿原子發射光譜儀檢測。 / With reference to US EPA 3052:1996. Analyzed by ICP-AES.	10	n.d.
砷酸氫鉛 / Lead hydrogen arsenate*** (CAS No.: 007784-40-9)	mg/kg	參考US EPA 3052:1996方法, 用感應耦合電漿原子發射光譜儀檢測。 / With reference to US EPA 3052:1996. Analyzed by ICP-AES.	10	n.d.
重鉻酸鈉 / Sodium dichromate*** (CAS No.: 00234-190-3 (007789-12-0))	mg/kg	參考US EPA 3060A:1996方法, 用UV-VIS做分析。 / With reference to US EPA 3060A:1996. Analyzed by UV-Vis.	2	n.d.

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除歐洲化學總署(ECHA)於2008年10月28日所公告的SVHC範圍外, 客户要求以下額外的篩檢(Additional screening by client's request outside the scope of SVHC as published by ECHA on 2008 October 28):

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	方法偵測 極限值 (MDL)	結果 (Result)
				NO.1
環十二烷 / Cyclododecane (CAS No.: 000294-62-2)	mg/kg	參考US EPA 5021方法, 以氣相層析質譜儀檢測. / With reference to US EPA 5021. Analyzed by GC/MS.	5	n.d.

備註(Note):

1. mg/kg = ppm; 0.1wt% = 1000ppm
2. n.d.= not detected = below Method detection Limit / 未檢出
3. MDL = Method Detection Limit (方法偵測極限值)
4. ***: 該物質是由"三丁基錫"或各別元素 (例如: 砷、鉛、鈷或六價鉻)之測試結果計算得知。其MDL是針對"三丁基錫"或元素(例如: 砷、鉛、鈷或六價鉻)之評估。 /
The substance is calculated by the test results of Tributyl Tin or element (Ex. Arsenic, Lead, Cobalt or Cr (VI) respectively).
The MDL is evaluated for Tributyl Tin or element (Ex. Arsenic, Lead, Cobalt or Cr (VI) respectively).

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** 報告結尾(End of Report) **

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