

Test Report

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 號碼(No.): ETR21804109
 日期(Date): 26-Aug-2021
 頁數(Page): 1 of 5

 友嘉科技股份有限公司 (UNION OPTRONICS CORP.)
 桃園市楊梅區高獅路156號 (NO. 156, GAOSHIH RD., YANGMEI DIST., TAOYUAN CITY 326, TAIWAN (R. O. C.))

以下測試樣品係由申請廠商所提供及確認 (The following sample(s) was/were submitted and identified by/on behalf of the applicant as):

送樣廠商(Sample Submitted By) 樣品名稱(Sample Name) 樣品型號(Style/Item No.)	: : :	友嘉科技股份有限公司 (UNION OPTRONICS CORP.) SEMICONDUCTOR LASER DIODES THE SERIES OF RED LASER DIODE SMD
收件日(Sample Receiving Date) 測試期間(Testing Period)	:	19-Aug-2021 19-Aug-2021 to 26-Aug-2021
測試需求(Test Requested) :		依據客戶要求,參考美國毒管法(TSCA) 第 6(h) 章節,進行5項持久性生物累積毒 性物質 (PBTs) 測試,測試項目請參閱測試結果表格。 (As specified by client, the sample(s) was/were tested for 5 PBTs with reference to Regulation of Persistent, Bioaccumulative, Toxic (PBT) Chemicals under Toxic Substances Control Act (TSCA) Section 6(h). Please refer to result table for testing item(s).)
測試結果(Test Results) :		請參閱下一頁 (Please refer to following pages.)





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SGS Taiwan Ltd. 台灣檢驗科技股份有限公司



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測試部位敘述 (Test Part Description)

No.1 : 整體混測 (MIXED ALL PARTS)

測試結果 (Test Results)

測試項目	測試方法	單位	MDL	結果	限值
(Test Items)	(Method)	(Unit)		(Result)	(Limit)
				No.1	
+溴聯苯醚 (DecaBDE) (Decabromodiphenyl	參考US EPA 3550C: 2007,以氣相層析	mg/kg	5	n.d.	Prohibited
ether (DecaBDE)) (CAS No.: 1163-19-5)	儀/質譜儀分析。(With reference to US				/ N/A(*3)
	EPA 3550C: 2007, analysis was				
	performed by GC/MS.)				
異丙基化磷酸三苯酯 (PIP 3:1) (Phenol,	參考US EPA 3550C: 2007,以氣相層析	mg/kg	5	n.d.	Prohibited
isopropylated, phosphate (3:1) (PIP	儀/質譜儀分析。(With reference to US				/ N/A(*1)
3:1)) (CAS No.: 68937-41-7)	EPA 3550C: 2007, analysis was				
	performed by GC/MS.)				
2,4,6-三叔丁基酚 (2,4,6-TTBP) (2,4,6-	參考US EPA 3550C: 2007,以氣相層析	mg/kg	5	n.d.	3000 /
Tris(tert-butyl)phenol (2,4,6-TTBP))	儀/質譜儀分析。(With reference to US				N/A(*2)
(CAS No.: 732-26-3)	EPA 3550C: 2007, analysis was				
	performed by GC/MS.)				
五氯苯硫酚 (PCTP)	參考US EPA 3550C: 2007 · 以氣相層析	mg/kg	5	n.d.	10000
(Pentachlorothiophenol (PCTP)) (CAS	儀/質譜儀分析。(With reference to US				
No.: 133-49-3)	EPA 3550C: 2007, analysis was				
	performed by GC/MS.)				
六氯丁二烯 (HCBD)	參考US EPA 3550C: 2007 · 以氣相層析	mg/kg	5	n.d.	Prohibited
(Hexachlorobutadiene (HCBD)) (CAS	儀/質譜儀分析。(With reference to US				
No.: 87-68-3)	EPA 3550C: 2007, analysis was				
	performed by GC/MS.)				

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備註(Note):

- 1. mg/kg = ppm ; 0.1wt% = 1000ppm
- 2. MDL = Method Detection Limit (方法偵測極限值)
- 3. n.d. = Not Detected (未檢出); 小於MDL / Less than MDL
- 4. 詳細法規說明請點以下網址連結。(Detail explanation of the regulation is available at the following link.) https://www.epa.gov/assessing-and-managing-chemicals-under-tsca/persistent-bioaccumulative-and-toxic-pbt-chemicals-under
- 5. N/A(*1): 若產品/成品為以下,則不適用 (The submitted sample is exempted from the regulated scope if it is anyone of the following):
 - 航空或軍事用液壓油 (Hydraulic fluids for aviation or military)
 - 潤滑劑和油脂 (Lubricants and grease)
 - 汽車和航空航天器的新零件和替換零件 (New and replacement parts for motor and aerospace vehicles)
 - 在封閉系統中製造氰基丙烯酸酯粘合劑 (Manufacture of cyanoacrylate adhesives in closed systems)
 - 火車和船舶應用的專用發動機空氣濾清器 (Specialized engine air filters for locomotive and marine applications)
 - 從含PIP(3:1)的產品或成品中回收的塑料 (Plastic for recycling from PIP (3:1)-containing products or articles)
 - 從包含PIP(3:1)的產品或成品中回收的塑料製成的成品或成品 (Finished products or articles made of plastic recycled from PIP (3:1)-containing products or articles)
- 6. N/A(*2): 若產品為非作為潤滑油中添加劑,則不適用。(The submitted sample is exempted from the regulated scope if it is not oil and lubricant additives.)
- 7. N/A(*3): 若產品/成品為以下,則不適用 (The submitted sample is exempted from the regulated scope if it is anyone of the following):

從產品或成品進行加工和分銷含十溴二苯醚回收的塑料或者由這種再生塑料製成的含十溴二苯醚的產品或成品。 (Exempts processing and distribution for recycling of DecaBDE-containing plastic from products or articles and DecaBDE-containing products or articles made from such recycled plastic.)

8. 樣品的測試是基於申請人要求混合測試,報告中的混合測試結果不代表其中個別單一材質的含量。 The sample(s) was/were analyzed on behalf of the applicant as mixing sample in one testing. The above result(s) was/were only given as the informality value.

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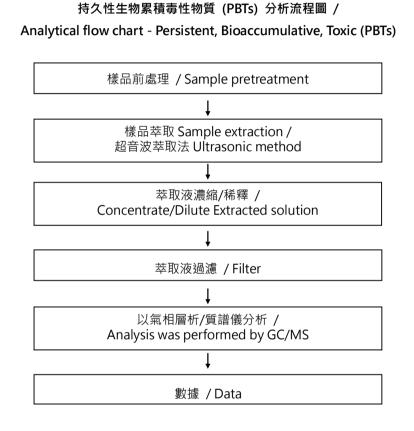
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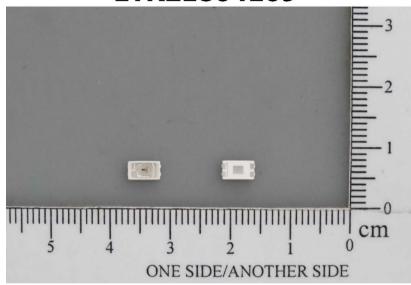
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照片中如有箭頭標示,則表示為實際檢測之樣品/部位. (The tested sample / part is marked by an arrow if it's shown on the photo.)



ETR21804109

** 報告結尾 (End of Report) **

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