

Test Report 測試報告

Applicant 申請廠商: LUNGCHEN CAPACITOR COMPANY
瓏晟興業股份有限公司
No. 3, Ln. 9, Cising St.,
Houli Dist., Taichung City 421, Taiwan,
R.O.C.
台中市后里區七星街 9 巷 3 號

Number : TWNC00797618
報告號碼

Date 日期 : Jun 13, 2019

Sample Description 樣品敘述:

One (1) group of submitted samples said to be :

以下測試樣品乃供應商所提供及確認 :

Sample Description : Metallized film capacitor
樣品名稱

Style / Item No. : Box(B),Round(R),Axial(MA,MT)
產品型號

Date Sample Received : Jun 06, 2019
收件日期

Date Test Started : Jun 06, 2019
開始測試日期

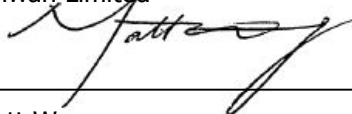
Test Conducted 測試執行 :

As requested by the applicant, for details please refer to attached pages.
依申請商之要求, 細節請參考附頁.

Tested Components 測試元件

- (1) Yellow plastic tape (white plastic roll was excluded)
- (2) Black plastic
- (3) Grey plastic
- (4) White cable jacket
- (5-1) Black plastic
- (5-2) Yellow plastic

Authorized By:
On behalf of Intertek Testing Services
Taiwan Limited



Matt Wang
Sr. Manager



Signed by:



Thomas Chou
Manager



Test Conducted 測試內容 :

Test Result Summary 測試結果 :

Test Item 測試項目	Unit 單位	Test Method 測試方法	Result 結果			RL
			(1)	(2)	(3)	
Phthalates 鄰苯二甲酸酯						
Di(2-ethylhexyl) Phthalate (DEHP) 鄰苯二甲酸二(2-乙基己基)酯	ppm	With reference to IEC 62321-8:2017, by solvent extraction and determined by GC-MS. 參考 IEC 62321-8:2017, 以溶劑萃取並用氣相層析質譜儀分析。	ND	ND	ND	50
Dibutyl Phthalate (DBP) 鄰苯二甲酸二丁酯	ppm		ND	ND	ND	50
Benzyl Butyl Phthalate (BBP) 鄰苯二甲酸苯基丁酯	ppm		ND	ND	ND	50
Diisobutyl Phthalate (DIBP) 鄰苯二甲酸二異丁酯	ppm		ND	ND	ND	50

Test Item 測試項目	Unit 單位	Test Method 測試方法	Result 結果		RL
			(4)	(5-1/5-2)	
Phthalates 鄰苯二甲酸酯					
Di(2-ethylhexyl) Phthalate (DEHP) 鄰苯二甲酸二(2-乙基己基)酯	ppm	With reference to IEC 62321-8:2017, by solvent extraction and determined by GC-MS. 參考 IEC 62321-8:2017, 以溶劑萃取並用氣相層析質譜儀分析。	ND	ND	50
Dibutyl Phthalate (DBP) 鄰苯二甲酸二丁酯	ppm		ND	ND	50
Benzyl Butyl Phthalate (BBP) 鄰苯二甲酸苯基丁酯	ppm		ND	ND	50
Diisobutyl Phthalate (DIBP) 鄰苯二甲酸二異丁酯	ppm		ND	ND	50

Remarks: ppm = Parts per million based on weight of tested sample = mg/kg
備註 百萬分之一, 依據測試樣品重量計算 = 毫克/公斤
ND = Not detected 未檢測出
RL = Reporting limit, quantitation limit of analyte in sample
報告極限, 測試樣品之定量偵測極限

Responsibility of Chemist 分析人員 : Vita Fu

Date Sample Received 樣品收件日期 : Jun 06, 2019
Test Period 樣品測試期間 : Jun 06, 2019 to Jun 13, 2019

RoHS Limit RoHS 限值

Restricted Substances 限用物質	Limits 限值
Di(2-ethylhexyl) Phthalate (DEHP) 鄰苯二甲酸二(2-乙基己基)酯	0.1% (1000ppm)
Dibutyl Phthalate (DBP) 鄰苯二甲酸二丁酯	0.1% (1000ppm)
Benzyl Butyl Phthalate (BBP) 鄰苯二甲酸苯基丁酯	0.1% (1000ppm)
Diisobutyl Phthalate (DIBP) 鄰苯二甲酸二異丁酯	0.1% (1000ppm)

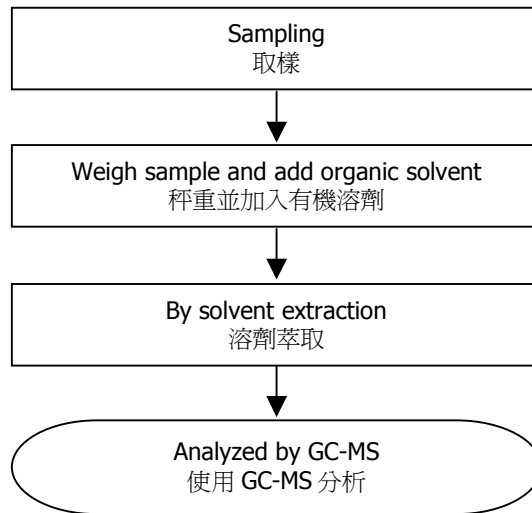
The limits were quoted from Annex II of 2011/65/EU amended by (EU) 2015/863 for homogeneous material.
本限值是依據歐盟指令 2011/65/EU 及其更新指令(EU) 2015/863 之附錄二針對均質材質所訂定。



Test Conducted 測試內容 :

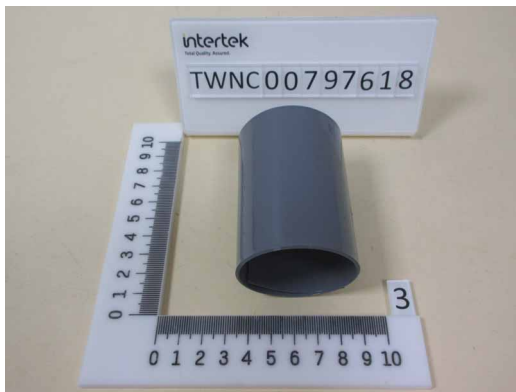
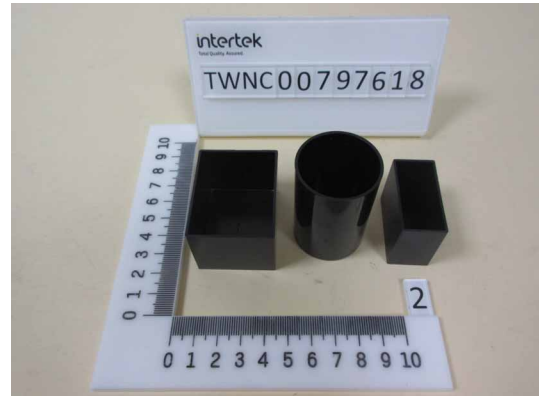
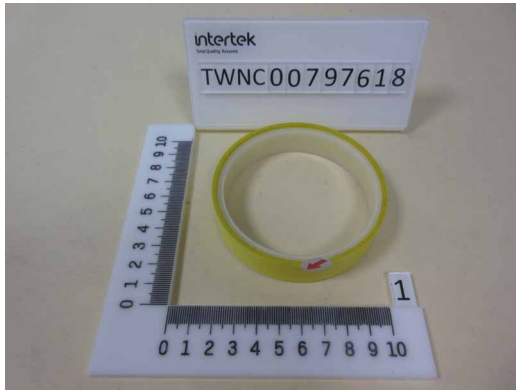
Measurement Flowchart 測試流程圖:

Test for Phthalates Content 鄰苯二甲酸酯測試
Reference Method 參考方法: IEC 62321-8:2017



Sample photo 樣品照片 :

The tested part is indicated with the red arrow on the sample photo
樣品中紅色箭頭表示實際測試樣品部位



End of Report

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