

測試報告 Test Report

號碼(No.) : CE/2018/B4857 日期(Date) : 2018/12/05 頁數(Page) : 1 of 4

默克先進科技材料股份有限公司
MERCK PERFORMANCE MATERIALS LTD.
桃園市觀音工業區經建一路39號

NO. 39, CHING CHIEN 1ST RD., KUANYIN IND. PARK, TAOYUAN CITY 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) : 默克先進科技材料股份有限公司 (MERCK PERFORMANCE MATERIALS LTD.)
樣品名稱(Sample Description) : TFT-TN TYPE LC MIXTURE
收件日期(Sample Receiving Date) : 2018/11/27
測試期間(Testing Period) : 2018/11/27 TO 2018/12/05

測試需求(Test Requested) : 依據客戶指定，於送測樣品中檢測鹵素-氯、溴含量。(As specified by client, to test Halogen-Chlorine, Bromine in the submitted sample.)

測試方法(Test Method) : 請參閱下一頁 (Please refer to following pages).

測試結果(Test Results) : 請參閱下一頁 (Please refer to following pages).


Troy Chang, Manager, Tech
Signed for and on behalf of
SGS TAIWAN LTD.
Chemical Laboratory - Taipei

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Termse-Documents.aspx>. 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 instruction, 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. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

測試報告

Test Report

號碼(No.) : CE/2018/B4857 日期(Date) : 2018/12/05 頁數(Page) : 2 of 4

默克先進科技材料股份有限公司

MERCK PERFORMANCE MATERIALS LTD.

桃園市觀音工業區經建一路39號

NO. 39, CHING CHIEN 1ST RD., KUANYIN IND. PARK, TAOYUAN CITY TAIWAN, R. O. C.



測試結果(Test Results)

測試部位(PART NAME) No. 1 : 半透明液體 (TRANSLUCENT LIQUID)

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	MDL	結果 (Result)
				No. 1
鹵素 (氯) / Halogen-Chlorine (Cl) (CAS No. : 22537-15-1)	mg/kg	參考BS EN 14582 (2016), 以離子 層析儀分析. / With reference to BS EN 14582 (2016). Analysis was performed by IC.	50	n. d.
鹵素 (溴) / Halogen-Bromine (Br) (CAS No. : 10097-32-2)	mg/kg	參考BS EN 14582 (2016), 以離子 層析儀分析. / With reference to BS EN 14582 (2016). Analysis was performed by IC.	50	n. d.

備註(Note) :

1. mg/kg = ppm ; 0.1wt% = 1000ppm
2. n. d. = Not Detected (未檢出)
3. MDL = Method Detection Limit (方法偵測極限值)

測試報告 Test Report

號碼(No.) : CE/2018/B4857 日期(Date) : 2018/12/05 頁數(Page) : 3 of 4

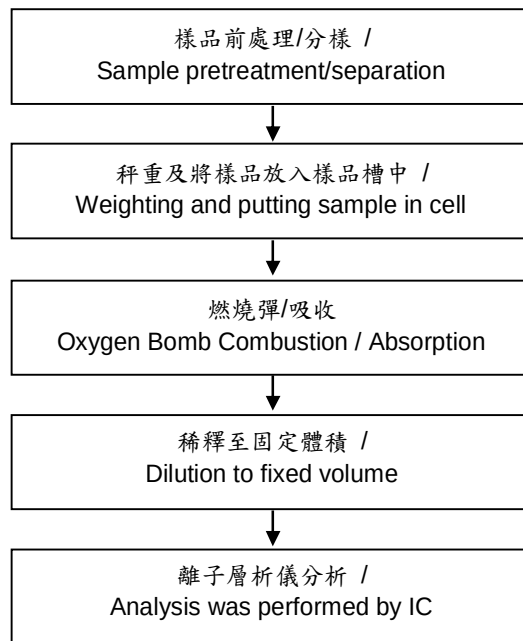
默克先進科技材料股份有限公司
MERCK PERFORMANCE MATERIALS LTD.
桃園市觀音工業區經建一路39號

NO. 39, CHING CHIEN 1ST RD., KUANYIN IND. PARK, TAOYUAN CITY TAIWAN, R. O. C.



鹵素分析流程圖 / Analytical flow chart - Halogen

- 測試人員：陳恩臻 / Technician: Rita Chen
- 測試負責人：張啟興 / Supervisor: Troy Chang



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Termse-Document.aspx>. 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 instruction, 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. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

測試報告 Test Report

號碼(No.) : CE/2018/B4857 日期(Date) : 2018/12/05 頁數(Page) : 4 of 4

默克先進科技材料股份有限公司
MERCK PERFORMANCE MATERIALS LTD.
桃園市觀音工業區經建一路39號

NO. 39, CHING CHIEN 1ST RD., KUANYIN IND. PARK, TAOYUAN CITY TAIWAN, R. O. C.



* 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.)

CE/2018/B4857



** 報告結尾(End of Report) **