

## 宏明科技校正實驗室

Hong-Ming Technology Calibration Laboratory

# 校正報告書

## Report of Calibration

報告編號(Report Number): CRXXXXXXXX

報告日期(Report Date):XXXXXXXX

申請者 Applicant	XXXXXXXXXXXXXXXXXXXXXXXXXXXX				
申請者地址 Address	XXXXXXXXXXXXXXXXXXXXXXXXXXXX				
儀器名稱 Equipment	XXXXXXXXXXXXXXXXXXXXXXXXXXXX				
製造商 Manufacturer	型號 Model No.	序號 Serial No.	收件日期 Received Date	校正日期 Calibration Date	校正地點 Calibration Location
HMT	MFS-630-TR	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	實驗室

- 上述委託儀器經本實驗室校正，結果如內文。  
The calibration results of the above equipment calibrated by HMT Calibration Laboratory are indicated in the following pages.
- 本校正報告含封面共 3 頁，分離視同無效。  
This calibration report consists of 3 pages including the cover page. Single page is deemed invalid.
- 未經本實驗室書面同意，本報告任何部分不得以任何形式或任何方式摘錄、複製、轉載或修改。  
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校正實驗室主管

Calibration Laboratory Manager

## 宏明科技校正實驗室

Hong-Ming Technology Calibration Laboratory

### 校正說明

#### Description of Calibration

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實驗室環境條件 Environmental Conditions					
環境溫度(Temperature): (25 ± 5) °C 相對溼度(Humidity): (60 ± 10) %					
校正用標準件 Calibration Standard					
標準件/型號 Certified Reference Material / Model No.	序號 Serial No.	追溯單位 Traceability	文件編號 File No.	校正日期 Calibration Date	有效日期 Expiration Date
Starna Neutral Density Filter Set/ RM-N1N35N	15315	UKAS Calibration Laboratory (0659)	5983	2015.10.02	2017.10.02

1. 校正程序依據 MFS-630 校正程序書(文件編號: HM-SOP-72-002)。  
Calibration procedure is according to the MFS-630 calibration procedure (File No: HM-SOP-72-002).
2. 穿透率標準值 (%) = 標準件之穿透率數值  
穿透率器示值 (%) = 送校件之穿透率量測值平均  
穿透率器差值 (%) = 穿透率器示值-穿透率標準值  
Transmittance standard values (%) = Transmittance values of Certified reference material  
Transmittance measurement values (%) = Average of Transmittance measurement values  
Transmittance deviation values (%) = Transmittance measurement values minus Transmittance standard values
3. 擴充不確定度計算依據 MFS-630 校正系統評估書(文件標號:HM-PM-72-07)。  
擴充不確定度為組合標準量測不確定度與涵蓋因子(k = 2, 信賴水準約 95%)的乘積。  
Expanded uncertainty is calculated from the MFS-630 calibration system evaluation (File No. HM-PM-72-07).  
The reported expanded uncertainty is based on the combined standard measurement uncertainty multiplied by a coverage factor k = 2, providing a coverage probability of approximately 95%.

## 宏明科技校正實驗室

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### 校正結果

#### Results of Calibration

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波長(nm) Wavelength	穿透率標準值 (%) Transmittance Standard Values	穿透率器示值 (%) Transmittance Measurement Values	穿透率器差值 (%) Transmittance Deviation Values	擴充不確定度(%) Expanded Uncertainty
440	46.20	46.3	0.1	1.1
465	50.36	50.0	-0.4	1.1
546.1	50.06	49.9	-0.2	1.1
590	47.61	47.6	-0.1	1.1
635	47.11	47.1	-0.1	1.1
850	34.94	35.2	0.3	1.1
950	27.61	27.2	-0.4	1.1

(本頁以下空白 Null below)

校正者

Calibration performed by

報告簽署人

Approved Signatory