

# 色水測試+紅外線熱像 測試報告一覽



## Appendix Y Descriptions of Test

### Part 1 - Descriptions of Infrared Thermography Test

Equipment	D384M Thermal Imager
Serial No.:	BD300057M
Detector Type	Longwave
IR Resolution	384 x 288
NETD	50mk
Next Calibration Date	22/7/2023
Method of Analysis	If the target area within a similar component has higher moisture content (wet condition) than other area of a same component, its thermal behavior will show comparatively lower in temperature than the other area within the same component. The detected wet area is described as "Low temperature zone" regarding to thermal interpretation.

#### 測試儀器

- 紅外線熱像測試儀器的資料
- 此數據是證明漏水源頭的其中一個重要證據。

### Part 2 - Descriptions of Moisture Content Measurement

Equipment	GE Protimeter Surveymaster
Serial No.:	BLD5365
Next Calibration Date	By calibration metal plate provided by manufacturer, confirm accuracy each time before test.
Method of Analysis	Joint Office (FEHD and BD) policy of wet is $\geq 35$ WME% and the manufacturer's recommendation.

#### 測試儀器

### Part 3 - Descriptions of Water Ponding Test and Colored Water Test

Agents	Sulforhodamine B (SRB) Brilliant Scarlet 4R (BS) Eosin Yellowish (EY) (*with fluorescent effect under UV light) Fluorescein Sodium (FS) (*with fluorescent effect under UV light) Rhodamine WT (RWT) Orange II (OII) Rhodamine B (RB)
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#### 測試色水

- 色水測試會同唔同顏色
- 這裡註明唔同顏色試劑的化學名稱

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## Appendix 1: Control reference at Location 1

### Part 1: Infrared Thermography Test of Location 1

#### Part 1.1: Test result

Thermogram	Photo Record
<p>No. IRI_20211206_111428 Emissivity 1.0</p>	
<p>No. IRI_20211206_111459 Emissivity 1.0</p>	

 - Indicated lower temperature zone

紅外線熱像圖像：  
做色水測試前的紅外線  
熱像做紀錄

#### Part 1.2: Test summary

Lower temperature zone was not observed.

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## Part 2.2: Photo Record



Photo record P1



Photo record P2

色水測試過程：  
做色水測試前的過程會  
作相片紀錄