

NO: SAMM 082(Issue 2, 18 May 2018 replacement
of SAMM 082 dated 8 December 2017)

Page: 39 of 40

SCOPE OF CALIBRATION: OPTICAL AND PHOTOMETRIC MEASUREMENTS

Instrument Calibrated/ Measurement Parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty(\pm)*	Remarks
Spectrophotometer (UV- Visible Range)			
a) Wavelength	240 nm to 645 nm	0.2 nm	Calibrated using Holmium perchlorate as standard based on ASTM E275:2008(2013) and ASTM E925:2009(2014)
b) Absorbance (230 nm to 640 nm)	0.2 to 1.0	0.006	Calibrated using Potassium Dichromate and Neutral Density Filter as standard based on ASTM E275:2008(2013) and ASTM E925:2009(2014)
Transmittance (Normal incidence)	240 nm to 780 nm	0.94 %	Calibrated using Agilent Cary 7000 Spectrophotometer based on ASTM D1746:2015 and ISO 9050:2003

Scan QR Code or visit www.ism.gov.my/cab-directories for the current scope of accreditation**Signatories:**

1. **Seah Leong Ho**
2. **Teo Kok Siong**

NO: SAMM 082(Issue 2, 18 May 2018 replacement
of SAMM 082 dated 8 December 2017)

Page: 40 of 40

SCOPE OF CALIBRATION: OPTICAL AND PHOTOMETRIC MEASUREMENTS**SITE: CATEGORY I**

Instrument Calibrated/ Measurement Parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty(\pm)*	Remarks
Spectrophotometer (UV-Visible Range)			
a) Wavelength	240 nm to 645 nm	0.2 nm	Calibrated using Holmium perchlorate as standard based on ASTM E275:2008(2013) and ASTM E925:2009(2014)
b) Absorbance (230 nm to 640 nm)	0.2 to 1.0	0.006	Calibrated using Potassium Dichromate and Neutral Density Filter as standard based on ASTM E275:2008(2013) and ASTM E925:2009(2014)

Signatories:

1. **Seah Leong Ho**
2. **Teo Kok Siong**