

NO: SAMM 082

Page: 45 of 46

**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 E275:2013 and ASTM E925:2014
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 E275:2013 and ASTM E925:2014
Transmittance (Normal incidence)	380 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](http://www.ism.gov.my/cab-directories) for the current scope of accreditation**Signatories:**

1. **Seah Leong Ho**

NO: SAMM 082

Page: 46 of 46

**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 E275:2013 and ASTM E925:2014
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 E275:2013 and ASTM E925:2014
Smoke Meter	20 ~ 80% Opacity	1.0% Opacity	Opacity filter as reference
Tint Tester	20 ~ 90% Transmittance	1.0% Transmittance	Transmittance filter and glass standards as reference

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

1. **Seah Leong Ho**