MONTHLY SEM MEASUREMENT QUALITY CONTROL

INSTRUMENT: _______________________________ DATE: ________________________ TIME: _________________________

OPERATOR: __________________________________________

Each month, an SEM micrograph of the NIST 484g or PTB 5272 SEM magnification standard is taken to demonstrate measurement
accuracy in the one micron size range. Operating conditions are those used during the manual review of an automated GSR run.

WORKING DISTANCE 15mm: ___________________

MAGNIFICATION 25KX: ___________________

ACCELERATING VOLTAGE: __________ (KV) SPOT SIZE: _________________ (%)

CLEAR OBJECTIVE LENS: ___________________ FILAMENT DRIVE: _______________

EMISSION CURRENT: _________________ (µA)

MEASURED SEGMENT 1.08 µm ± 0.1 µm: ___________ MEASURED SEGMENT 0.99 µm ± 0.1 µm: ___________

(NIST 484 STD) (PTB 5272 STD)