

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.

COPYRIGHT © 2016

VIRGINIA
DEPARTMENT
OF
FORENSIC SCIENCE

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)