

## APPENDIX D – INSTRUMENTS USED IN ANALYSIS

QM 5.5.4 requires that all equipment/instrumentation and software used in testing that is significant to the quality of the result will be identified in the analytical (case) file or section SOP, to include the unique instrument/equipment identifier. To that end the following instruments will be used by the listed people for all relevant examinations and analyses. If for any reason a different instrument is used by an examiner than those listed below, the examiner will identify the instrument in the case record and will notify the Firearms Section Supervisor of the event and the reason for the change.

### MEASUREMENT OF BARREL AND OVERALL LENGTHS OF LONG FIREARMS

All “measurements that matter” as defined by QM 5.4.6.2 and in the section on barrel and overall length measurements in the Firearms Identification SOP will be carried out using the firearm measuring box (containing a NIST traceable yardstick) and the barrel measuring rods provided with it. The certificate that is associated with the NIST traceable yardstick is located in the Firearms Instrument Records book.

### EXAMINATIONS AND MEASUREMENTS CONDUCTED BY TODD NORDHOFF

INSTRUMENT	MAKE	MODEL	SERIAL NUMBER
Comparison Microscope	Leica	UFM4	000239002JX0001
Stereomicroscope	Nikon	SMZ-2T	313772
Micrometer	Starrett	734XFL	01216622
Calipers	Sears Craftsman	Unknown – not listed	N5H 259
Balance	Denver Instrument	XL-500	B047125
Calibration Weight	Denver Instrument	820010.1	05-J13364-42

### EXAMINATIONS AND MEASUREMENTS CONDUCTED BY GENE RIVERA

INSTRUMENT	MAKE	MODEL	SERIAL NUMBER
Comparison Microscope	Leica	FSC	273915
Stereomicroscope	Nikon	SMZ645	1049275
Micrometer	Starrett	734XFL-1	03195337
Calipers	Starrett	721A	04177900
Balance	Denver Instrument	S-602	23051088
Calibration Weight(s)	Ohaus (?)	Unknown – not listed	FA-1

## EXAMINATIONS AND MEASUREMENTS CONDUCTED BY JENNIFER POHLHEBER

<b>INSTRUMENT</b>	<b>MAKE</b>	<b>MODEL</b>	<b>SERIAL NUMBER</b>
Comparison Microscope	Leica	FSC	308594
Stereomicroscope	Leica	S6E	10446345
Micrometer	Starrett	734XFL	98080513
Calipers	Summit	10/10	FA-2
Balance	Denver Instrument	APX-402	A42093034
Calibration Weight(s)	Fisher Scientific	Unknown – not listed	FA-3

## GENERAL RIFLING CHARACTERISTICS SOFTWARE

All examiners will use Scott Doyle's Rifling Data Search version 10.2b when searching for possible firearms as referenced in the GRC Utilization Section of the Firearms ID SOP.