

CEI LIMITED  
INSTRUMENT MASTER LIST

| S/N | Equipment ID    | Equipment Description                         | Manufacturer         | Model   | Equipment Serial Number | Interval  | Calibration Date | Due Date  | Vendor                              | Equipment Owner | Customized Equipment | Customer ID | Customer | Location          | Active          |
|-----|-----------------|-----------------------------------------------|----------------------|---------|-------------------------|-----------|------------------|-----------|-------------------------------------|-----------------|----------------------|-------------|----------|-------------------|-----------------|
| 1   | 90221           | Keithley Source Measurement Unit              | Keithley             | 236     | 0782275                 | 12 months | 15.Jan.19        | 31.Jan.20 | ESSCO Calibration Laboratory        | N.A             | NO                   | N.A         | Waters   | Millford          | out for service |
| 2   | 90239           | 6½ Digit VXI Multimeter ID#92239 12MO V019    | Racal Inc            | 4152A   | US38010180              | 12 months | 26.Mar.19        | 26.Mar.20 | Tra-Cal, LLC                        | N.A             | NO                   | N.A         | Waters   | Millford          | out for service |
| 3   | 98205           | 3151 VXI Waveform Generator ID#98205 V019 CEI | Racal Inc            | 3151A+  | 0305800                 | 12 months | 26.Mar.19        | 26.Mar.20 | Tra-Cal, LLC                        | N.A             | NO                   | N.A         | Waters   | Millford          | out for service |
| 4   | 92241 12MO V019 | VXI Counter Card                              | Racal Inc            | 2461-CD | 1100                    | 12 months | 26.Mar.19        | 26.Mar.20 | Tra-Cal, LLC                        | N.A             | NO                   | N.A         | Waters   | Millford          | out for service |
| 5   |                 | HP66103A DC Power Module 35V/4.5A             | Agilent Technologies | 66103A  | US34212664              | 12 months | 15.Aug.19        | 15.Aug.20 | Tech systems Services & integration | N.A             | NO                   | N.A         | Waters   | Waters Production | Y               |
| 6   |                 | HP66103A DC Power Module 35V/4.5A             | Agilent Technologies | 66103A  | US34212667              | 12 months | 15.Aug.19        | 15.Aug.20 | Tech systems Services & integration | N.A             | NO                   | N.A         | Waters   | Waters Production | Y               |
| 7   |                 | HP66103A DC Power Module 35V/4.5A             | Agilent Technologies | 66103A  | US34212669              | 12 months | 15.Aug.19        | 15.Aug.20 | Tech systems Services & integration | N.A             | NO                   | N.A         | Waters   | Waters Production | Y               |
| 8   |                 | HP66103A DC Power Module 35V/4.5A             | Agilent Technologies | 66103A  | US34212672              | 12 months | 15.Aug.19        | 15.Aug.20 | Tech systems Services & integration | N.A             | NO                   | N.A         | Waters   | Waters Production | Y               |
| 9   |                 | HP66101A DC Power Module 8V/16A               | Agilent Technologies | 66101A  | US34442070              | 12 months | 16.Aug.19        | 16.Aug.20 | Tech systems Services & integration | N.A             | NO                   | N.A         | Waters   | Waters Production | Y               |
| 10  |                 | HP66101A DC Power Module 8V/16A               | Agilent Technologies | 66101A  | MY40000535              | 12 months | 16.Aug.19        | 16.Aug.20 | Tech systems Services & integration | N.A             | NO                   | N.A         | Waters   | Waters Production | Y               |
| 11  |                 | HP66103A DC Power Module 35V/4.5A             | Agilent Technologies | 66103A  | US34212670              | 12 months | 16.Aug.19        | 16.Aug.20 | Tech systems Services & integration | N.A             | NO                   | N.A         | Waters   | Waters Production | Y               |
| 12  | 92222 12MO WP72 | Electronic Load                               | HP                   | 60502B  | US37244128              | 12 months | 15.Aug.19        | 15.Aug.20 | Tech systems Services & integration | N.A             | NO                   | N.A         | Waters   | Waters Production | Y               |
| 13  | 92224 12MO WP72 | Electronic Load                               | HP                   | 60502B  | US37244138              | 12 months | 15.Aug.19        | 15.Aug.20 | Tech systems Services & integration | N.A             | NO                   | N.A         | Waters   | Waters Production | Y               |
| 14  | 92225 12MO WP72 | Electronic Load                               | HP                   | 60502B  | US37244141              | 12 months | 15.Aug.19        | 15.Aug.20 | Tech systems Services & integration | N.A             | NO                   | N.A         | Waters   | Waters Production | Y               |

|    |                |                                               |                      |                   |                 |           |           |           |                                     |     |    |     |        |                   |   |
|----|----------------|-----------------------------------------------|----------------------|-------------------|-----------------|-----------|-----------|-----------|-------------------------------------|-----|----|-----|--------|-------------------|---|
| 15 |                | Tektronics 4-Channel Digitizing Oscilloscope  | Tektronics           | TDS460A           | B071897         | 12 months | 15.Aug.19 | 15.Aug.20 | Tech systems Services & Integration | N.A | NO | N.A | Waters | Waters Production | Y |
| 16 | 90246WP72      | Electronic Load                               | HP                   | 60502B            | US37243391      | 12 months | 15.Aug.19 | 15.Aug.20 | Tech systems Services & Integration | N.A | NO | N.A | Waters | Waters Production | Y |
| 17 | 90245WP72      | Electronic Load                               | HP                   | 60502B            | US37244144      | 12 months | 15.Aug.19 | 15.Aug.20 | Tech systems Services & Integration | N.A | NO | N.A | Waters | Waters Production | Y |
| 18 | 90242WP72      | Electronic Load                               | HP                   | 60502A            | 3011A-01246     | 12 months | 15.Aug.19 | 15.Aug.20 | Tech systems Services & Integration | N.A | NO | N.A | Waters | Waters Production | Y |
| 19 |                | Keithley Source Measurement Unit #2           | Keithley             | 236               | 0786386         | 12 months | 22.Aug.19 | 22.Aug.20 | Tektronix Southeast Asia Pte. Ltd   | N.A | NO | N.A | Waters | Waters Production | Y |
| 20 | 95168          | Programmable DC Power supply                  | TDK Lambda           | GENH30-25         | 09M1019A        | 12 months | 21.Apr.20 | 21.Apr.21 | Micro Precision Calibration PTE LTD | N.A | NO | N.A | Waters | Waters Production | Y |
| 21 | 95169          | Programmable DC Power supply                  | TDK Lambda           | GENH30-25         | 09M1020A        | 12 months | 21.Apr.20 | 21.Apr.21 | Micro Precision Calibration PTE LTD | N.A | NO | N.A | Waters | Waters Production | Y |
| 22 | 95153          | 6½ DIGITAL MULTIMETER                         | Agilent Tech         | 34411A            | MY46000358      | 12 months | 21.Apr.20 | 21.Apr.21 | Micro Precision Calibration PTE LTD | N.A | NO | N.A | Waters | Waters Production | Y |
| 23 | 95158          | 4 CH 500MHz OSCILLOSCOPE                      | TEKTRONIX            | TDS3054C          | C011085         | 12 months | 21.Apr.20 | 21.Apr.21 | Micro Precision Calibration PTE LTD | N.A | NO | N.A | Waters | Waters Production | Y |
| 24 | 91745          | NI [ M series ] MULTIFUNCTION DAQ Device      | National Instruments | PXI-6229          | 145DF14         | 12 months | 21.Apr.20 | 21.Apr.21 | Micro Precision Calibration PTE LTD | N.A | NO | N.A | Waters | Waters Production | Y |
| 25 | 91744          | NI [ M series ] MULTIFUNCTION DAQ Device      | National Instruments | PXI-6229          | 145DF42         | 12 months | 21.Apr.20 | 21.Apr.21 | Micro Precision Calibration PTE LTD | N.A | NO | N.A | Waters | Waters Production | Y |
| 26 | 95176          | Programmable DC Power supply                  | TDK Lambda           | GENH60-12.5       | 09M1026A        | 12 months | 21.Apr.20 | 21.Apr.21 | Micro Precision Calibration PTE LTD | N.A | NO | N.A | Waters | Waters Production | Y |
| 27 | 95177          | Programmable DC Power supply                  | TDK Lambda           | GENH60-12.5       | 09M1028A        | 12 months | 21.Apr.20 | 21.Apr.21 | Micro Precision Calibration PTE LTD | N.A | NO | N.A | Waters | Waters Production | Y |
| 28 | 95173          | Programmable DC Power supply                  | TDK Lambda           | GENH60-12.5       | 09M1029A        | 12 months | 21.Apr.20 | 21.Apr.21 | Micro Precision Calibration PTE LTD | N.A | NO | N.A | Waters | Waters Production | Y |
| 29 | 95172          | Programmable DC Power supply                  | TDK Lambda           | GENH60-12.5       | 09M1032A        | 12 months | 21.Apr.20 | 21.Apr.21 | Micro Precision Calibration PTE LTD | N.A | NO | N.A | Waters | Waters Production | Y |
| 30 | 91746          | NI Programmable DC Power supply               | National Instruments | PXI-4130          | 1450264         | 12 months | 21.Apr.20 | 21.Apr.21 | Micro Precision Calibration PTE LTD | N.A | NO | N.A | Waters | Waters Production | Y |
| 31 | 91773          | 20MHZ FUNCTION/ARBITRARY WAVEFORM GENERATOR   | Agilent Tech         | 33220A            | MY44046858      | 12 months | 21.Apr.20 | 21.Apr.21 | Micro Precision Calibration PTE LTD | N.A | NO | N.A | Waters | Waters Production | Y |
| 32 | 95195          | DC ELECTRONIC LOAD MODULE 0-60 A, 80 V, 300 W | CHROMA               | 63103             | 631030017022    | 12 months | 22.Apr.20 | 22.Apr.21 | Micro Precision Calibration PTE LTD | N.A | NO | N.A | Waters | Waters Production | Y |
| 33 | 95193          | DC ELECTRONIC LOAD MODULE 0-60 A, 80 V, 300 W | CHROMA               | 63103             | 631030017023    | 12 months | 22.Apr.20 | 22.Apr.21 | Micro Precision Calibration PTE LTD | N.A | NO | N.A | Waters | Waters Production | Y |
| 34 | 95192          | DC ELECTRONIC LOAD MODULE 0-60 A, 80 V, 300 W | CHROMA               | 63103             | 631030017042    | 12 months | 22.Apr.20 | 22.Apr.21 | Micro Precision Calibration PTE LTD | N.A | NO | N.A | Waters | Waters Production | Y |
| 35 | 95194          | DC ELECTRONIC LOAD MODULE 0-60 A, 80 V, 300 W | CHROMA               | 63103             | 631030017030    | 12 months | 22.Apr.20 | 22.Apr.21 | Micro Precision Calibration PTE LTD | N.A | NO | N.A | Waters | Waters Production | Y |
| 36 | 93188          | NI [ M series ] MULTIFUNCTION DAQ Device      | National Instruments | PXI-6229          | 17E3258         | 12 months | 28.Apr.20 | 28.Apr.21 | Micro Precision Calibration PTE LTD | N.A | NO | N.A | Waters | Waters Production | Y |
| 37 | 93244 12M WP72 | 20MHz Function Arbitrary Waveform Generator   | Agilent Technologies | 33220A            | MY44052037      | 12 months | 28.Apr.20 | 28.Apr.21 | Micro Precision Calibration PTE LTD | N.A | NO | N.A | Waters | Waters Production | Y |
| 38 | 93190          | NI Programmable DC Power supply Power SMU     | National Instruments | PXI-4130          | 160892C         | 12 months | 28.Apr.20 | 28.Apr.21 | Micro Precision Calibration PTE LTD | N.A | NO | N.A | Waters | Waters Production | Y |
| 39 | 93168          | DC Electronic Load 6A/60A/80V 300W            | Chroma               | 63103A            | 63103A005460    | 12 months | 28.Apr.20 | 28.Apr.21 | Micro Precision Calibration PTE LTD | N.A | NO | N.A | Waters | Waters Production | Y |
| 40 | 93178          | DC Electronic Load 6A/60A/80V 300W            | Chroma               | 63103A            | 63103A005457    | 12 months | 28.Apr.20 | 28.Apr.21 | Micro Precision Calibration PTE LTD | N.A | NO | N.A | Waters | Waters Production | Y |
| 41 | 93179          | DC Electronic Load 6A/60A/80V 300W            | Chroma               | 63103A            | 63103A005485    | 12 months | 28.Apr.20 | 28.Apr.21 | Micro Precision Calibration PTE LTD | N.A | NO | N.A | Waters | Waters Production | Y |
| 42 | 93180          | DC Electronic Load 6A/60A/80V 300W            | Chroma               | 63103A            | 63103A005472    | 12 months | 28.Apr.20 | 28.Apr.21 | Micro Precision Calibration PTE LTD | N.A | NO | N.A | Waters | Waters Production | Y |
| 43 | 93246 12M WP72 | Agilent 61/2 Digit Multimeter                 | Agilent              | 34411A            | MY48003752      | 12 months | 28.Apr.20 | 28.Apr.21 | Micro Precision Calibration PTE LTD | N.A | NO | N.A | Waters | Waters Production | Y |
| 44 | 93185          | Programmable DC Power supply                  | TDK Lambda           | GENH60-12.5-LAN-U | 09M1038A        | 12 months | 28.Apr.20 | 28.Apr.21 | Micro Precision Calibration PTE LTD | N.A | NO | N.A | Waters | Waters Production | Y |
| 45 | 93189          | NI [ M series ] MULTIFUNCTION DAQ Device      | National Instruments | PXI-6229          | 17E3259         | 12 months | 28.Apr.20 | 28.Apr.21 | Micro Precision Calibration PTE LTD | N.A | NO | N.A | Waters | Waters Production | Y |
| 46 | 93186          | Programmable DC Power supply                  | TDK Lambda           | GENH30-25         | 12M4062Z        | 12 months | 28.Apr.20 | 28.Apr.21 | Micro Precision Calibration PTE LTD | N.A | NO | N.A | Waters | Waters Production | Y |
| 47 | 93187          | Programmable DC Power supply                  | TDK Lambda           | GENH30-25         | 12M4063Z        | 12 months | 28.Apr.20 | 28.Apr.21 | Micro Precision Calibration PTE LTD | N.A | NO | N.A | Waters | Waters Production | Y |
| 48 | 93182          | Programmable DC Power supply                  | TDK Lambda           | GENH60-12.5       | 12M4064Z        | 12 months | 28.Apr.20 | 28.Apr.21 | Micro Precision Calibration PTE LTD | N.A | NO | N.A | Waters | Waters Production | Y |
| 49 | 93183          | Programmable DC Power supply                  | TDK Lambda           | GENH60-12.5       | 12M4068Z        | 12 months | 28.Apr.20 | 28.Apr.21 | Micro Precision Calibration PTE LTD | N.A | NO | N.A | Waters | Waters Production | Y |
| 50 | 93184          | Programmable DC Power supply                  | TDK Lambda           | GENH60-12.5       | 12M4069Z        | 12 months | 28.Apr.20 | 28.Apr.21 | Micro Precision Calibration PTE LTD | N.A | NO | N.A | Waters | Waters Production | Y |
| 51 | 93246 12M WP72 | 4 CH 500MHz OSCILLOSCOPE                      | TEKTRONIX            | TDS3054C          | C012641         | 12 months | 28.Apr.20 | 28.Apr.21 | Micro Precision Calibration PTE LTD | N.A | NO | N.A | Waters | Waters Production | Y |
| 52 | 91743          | PXI PROGRAMMABLE RESISTOR MODULE              | GEOTEST              | GX 1164-01        | 002061-BH-BA-00 | 24 months | 21.Apr.20 | 21.Apr.22 | Micro Precision Calibration PTE LTD | N.A | NO | N.A | Waters | Waters Production | Y |
| 53 | 11640241       | PXI PROGRAMMABLE RESISTOR MODULE              | GEOTEST              | GX 1164-01        | IZ-8K-BA-000    | 24 months | 29.Apr.20 | 29.Apr.22 | Micro Precision Calibration PTE LTD | N.A | NO | N.A | Waters | Waters Production | Y |

Reviewed by :

Meryl

Date:

08.May.20