

S/N	Equipment ID	Equipment Description	Manufacturer	Model	Equipment Serial Number	Interval	Calibration Date	Due Date	Vendor	Equipment-Owner	Customized Equip.	Customer ID	Customer	Location	Active
1	0196	Digital Thermometer with Probe (K type)	Fluke	51 II	89280141	12 Months	30-Jul-19	30-Jul-20	Micro Precision	Joel Mamalateo Deduyo	N	NA	Waters	Waters - Production	Y
2	0206	Electronic Weigh Balance	AND	HR200	12305757	06 Months	13-Jan-20	13-Jul-20	Micro Precision	Joel Mamalateo Deduyo	N	90891	Waters	Waters - Production	Y
3	0207	Column Heater	Waters	WAT091727	M03CHM015R	12 Months	03-Apr-20	03-Apr-21	Internal	Joel Mamalateo Deduyo	Y	81008	Waters	Waters 5th Floor	Y
4	0208	Column Heater	Waters	WAT091727	E01CHM203R	12 Months	03-Apr-20	03-Apr-21	Internal	Joel Mamalateo Deduyo	Y	81009	Waters	Waters 5th Floor	Y
5	0209	Column Heater	Waters	WAT091727	D01CHM128R	12 Months	23-Jan-20	23-Jan-21	Internal	Joel Mamalateo Deduyo	Y	81010	Waters	Waters - Production	Y
6	0210	Column Heater	Waters	WAT091727	K03CHM1938R	12 Months	23-Jan-20	23-Jan-21	Internal	Joel Mamalateo Deduyo	Y	81011	Waters	Waters - Production	Y
7	0211	Column Heater	Waters	WAT091727	B03CHM551R	12 Months	24-Jan-20	24-Jan-21	Internal	Joel Mamalateo Deduyo	Y	81012	Waters	Waters - Production	Y
8	0212	Column Heater	Waters	WAT091727	F00CHM528R	12 Months	24-Jan-20	24-Jan-21	Internal	Joel Mamalateo Deduyo	Y	81013	Waters	Waters - Production	Y
9	0213	Column Heater	Waters	WAT091727	F00CHM531R	12 Months	29-Jan-20	29-Jan-21	Internal	Joel Mamalateo Deduyo	Y	81014	Waters	Waters - Production	Y
10	0216	Electronic Weigh Balance	AND	HR200	12200404	06 Months	13-Jan-20	13-Jul-20	Micro Precision	Joel Mamalateo Deduyo	N	90038	Waters	Waters - Production	Y
11	0217	Electronic Weigh Balance	AND	HR200	12303279	06 Months	13-Jan-20	13-Jul-20	Micro Precision	Joel Mamalateo Deduyo	N	90018	Waters	Waters - Production	Y
12	0221	1500 Series Pump Final Test Station	Waters	Pump	TE82705-2	06 Months	26-Nov-19	26-May-20	Internal	Joel Mamalateo Deduyo	Y	TE82705-2	Waters	Waters - Production	Y
13	0222	515 Final Test Station	Waters	Pump	TE82534	06 Months	26-Nov-19	26-May-20	Internal	Joel Mamalateo Deduyo	Y	TE82534	Waters	5th Floor	Y
14	0223	HPMV Tester	Waters	NA	TE82625-1	06 Months	16-Jan-20	16-Jul-20	Internal	Joel Mamalateo Deduyo	Y	TE82625-1	Waters	Waters - Production	Y
15	0224	2690 Pump Head Tester	Waters	NA	TE82519	06 Months	27-Nov-19	27-May-20	Internal	Joel Mamalateo Deduyo	Y	TE82519	Waters	5th Floor	Y
16	0225	Injector Seal Pack Tester	Waters	TE82503-4	TE82503-4	06 Months	16-Jan-20	16-Jul-20	Internal	Joel Mamalateo Deduyo	Y	TE82503-4	Waters	Waters - Production	Y
17	0226	Electronic Weigh Balance	AND	HR200	12315717	06 Months	13-Jan-20	13-Jul-20	Micro Precision	Joel Mamalateo Deduyo	N	90913	Waters	Waters - Production	Y
18	0233	Column Heater	Waters	WAT038040	H01CHM352M	12 Months	29-Jan-20	29-Jan-21	Internal	Joel Mamalateo Deduyo	Y	81020	Waters	Waters - Production	Y
19	0234	Column Heater	Waters	WAT038040	M00CHM910M	12 Months	29-Jan-20	29-Jan-21	Internal	Joel Mamalateo Deduyo	Y	81021	Waters	Waters - Production	Y
20	0235	Column Heater	Waters	WAT038040	H01CHM335M	12 Months	29-Jan-20	29-Jan-21	Internal	Joel Mamalateo Deduyo	Y	81022	Waters	Waters - Production	Y
21	0236	Column Heater	Waters	WAT038040	MX6JM7863M	12 Months	30-Jan-20	30-Jan-21	Internal	Joel Mamalateo Deduyo	Y	81018	Waters	Waters - Production	Y
22	0237	Column Heater	Waters	WAT038040	L97CHM711M	12 Months	30-Jan-20	30-Jan-21	Internal	Joel Mamalateo Deduyo	Y	81019	Waters	Waters 5th Floor	Y
23	0238	Column Heater	Waters	WAT038040	MX6KM9444M	12 Months	02-Apr-20	02-Apr-21	Internal	Joel Mamalateo Deduyo	Y	81017	Waters	Waters 5th Floor	Y
24	0239	Column Heater	Waters	WAT038040	MX5MM5993M	12 Months	30-Jan-20	30-Jan-21	Internal	Joel Mamalateo Deduyo	Y	81023	Waters	Waters - Production	Y
25	0244	Column Heater	Waters	WAT038040	MX6JM7867M	12 Months	30-Jan-20	30-Jan-21	Internal	Joel Mamalateo Deduyo	Y	81016	Waters	Waters - Production	Y
26	0245	Digital Multimeter	Fluke	110	85730619	12 Months	16-Dec-19	16-Dec-20	Micro Precision	Joel Mamalateo Deduyo	N	96263	Waters	Waters - Production	Y
27	0246	Digital Multimeter	Fluke	179	90240092	12 Months	13-Feb-20	13-Feb-21	Micro Precision	Joel Mamalateo Deduyo	N	91368	Waters	Waters - Production	Y
28	*** 0249	Electrical Safety Analyzer	Quadtech	Guardian 6000	5037655	12 Months	08-Jan-20	08-Jan-21	Micro Precision	Joel Mamalateo Deduyo	N	95037	Waters	Waters 5th Floor	Y
29	0256	Pressure Calibrator	Ametek	APC10KINDG	9093205	12 Months	22-Nov-19	21-Nov-20	Micro Precision	Joel Mamalateo Deduyo	N	WT-TE-0331	Waters	5th Floor	Y
30	0259	Injector Seal Pack Tester	Waters	TE82503-5	TE82503-5	06 Months	27-Feb-20	27-Aug-20	Internal	Joel Mamalateo Deduyo	Y	TE82503-05	Waters	Waters - Production	Y
31	0278	Electronic Weigh Balance	AND	HR200	12316922	06 Months	13-Jan-20	13-Jul-20	Micro Precision	Joel Mamalateo Deduyo	N	95206	Waters	Waters - Production	Y
32	0279	High Voltage Probe	Fluke	80K-6	89200011	12 Months	24-Sep-19	24-Sep-20	Micro Precision	Joel Mamalateo Deduyo	N	NA	Waters	5th Floor	Y
33	0280	Clamp Meter	Kyoritsu	2033	66386	12 Months	30-Jul-19	30-Jul-20	Micro Precision	Joel Mamalateo Deduyo	N	NA	Waters	Waters - Production	Y
34	*** 0360	Electrical Safety Analyzer	Quadtech	Guardian 6000	6069766	12 Months	28-Nov-19	28-Nov-20	Micro Precision	Joel Mamalateo Deduyo	N	NA	Waters	Waters 5th Floor	Y
35	0431	Picoammeter	Keithley	485	435110	12 Months	18-Feb-20	18-Feb-21	Keysight Technologies	Joel Mamalateo Deduyo	N	NA	Waters	5th Floor	Y
36	*** 0432	Electrical Safety Analyzer	Quadtech	Guardian 6000 Plus	08280865	12 Months	03-Oct-19	03-Oct-20	Micro Precision	Joel Mamalateo Deduyo	N	NA	Waters	Waters - Production	Y
37	0458	Auto Pressure (Flowcell Tester)	Waters	NA	TE-82475-2	12 Months	09-Apr-20	09-Apr-21	Internal	Joel Mamalateo Deduyo	Y	NA	Waters	5th Floor	Y
38	0481	Liquilaz	Particle Measuring Systems	E20P	51053	12 Months	21-Aug-19	21-Aug-20	Particle Measuring Systems	Joel Mamalateo Deduyo	N	NA	Waters	5th Floor	Y
39	0497	Electronic Weigh Balance	AND	HR200	12326186	06 Months	31-Jan-20	31-Jul-20	Micro Precision	Joel Mamalateo Deduyo	N	90610	Waters	Waters - Production	Y
40	0499	Electronic Weigh Balance	AND	HR200	12324733	06 Months	16-Dec-19	16-Jun-20	Micro Precision	Joel Mamalateo Deduyo	N	90605	Waters	Waters - Production	Y
41	0500	Electronic Weigh Balance	AND	HR200	12326184	06 Months	15-Apr-20	15-Oct-20	Micro Precision	Joel Mamalateo Deduyo	N	90608	Waters	Waters - Production	Y
42	0501	Electronic Weigh Balance	AND	HR200	12326187	06 Months	16-Dec-19	16-Jun-20	Micro Precision	Joel Mamalateo Deduyo	N	90604	Waters (1500 Pump)	Waters - Production	Y
43	0502	Electronic Weigh Balance	AND	HR200	12326180	06 Months	16-Dec-19	16-Jun-20	Micro Precision	Joel Mamalateo Deduyo	N	90603	Waters	Waters - Production	Y
44	0503	Electronic Weigh Balance	AND	HR200	12326190	06 Months	16-Dec-19	16-Jun-20	Micro Precision	Joel Mamalateo Deduyo	N	90600	Waters	Waters - Production	Y
45	0504	Electronic Weigh Balance	AND	HR200	12326279	06 Months	16-Dec-19	16-Jun-20	Micro Precision	Joel Mamalateo Deduyo	N	90607	Waters	Waters - Production	Y
46	0592	Torque Wrench	Snap-on	QD2R1000	1009032663	06 Months	04-Mar-20	04-Sep-20	Micro Precision	Phani	N	NA	Waters	5th Floor	Y
47	0594	Dial Depth Gauge	Mitutoyo	2904S / 7217S	LQY537 / 000943	06 Months	06-Mar-20	06-Sep-20	Micro Precision	Phani	N	NA	Waters	Waters - Production	Y
48	0595	Dial Indicator	Mitutoyo	2514S	JDY576	06 Months	06-Mar-20	06-Sep-20	Micro Precision	Phani	N	NA	Waters	Waters - Production	Y
49	0597	Mass Flow Meter	AALBORG	GFM17	170609-1	12 Months	15-Jul-19	15-Jul-20	Caltek	Joel Mamalateo Deduyo	N	NA	Waters	Waters - Production	Y
50	0877	Torque Wrench	Snap-on	QD1R200	0408302147	06 Months	04-Mar-20	04-Sep-20	Micro Precision	Gary Lai Yam Bee	N	NA	Waters	Waters - Production	Y
51	1109	Dual Wavelength Detector	Waters	TUV Detector	K05UPT479M	12 Months	31-Jan-20	31-Jan-21	Internal	Joel Mamalateo Deduyo	Y	91897	Waters	Waters - Production	Y
52	1394	2489 UV / Visible Detector	Waters	186248900	H1387E726A	12 Months	12-Jun-19	12-Jun-20	Internal	Joel Mamalateo Deduyo	Y	NA	Waters	Waters - Production	Y
53	1395	2489 UV / Visible Detector	Waters	186248900	H1387E727A	12 Months	10-Jul-19	10-Jul-20	Internal	Joel Mamalateo Deduyo	Y	NA	Waters	Waters - Production	Y
54	1396	2489 UV / Visible Detector	Waters	186248900	H1387E728A	12 Months	28-Jun-19	28-Jun-20	Internal	Joel Mamalateo Deduyo	Y	NA	Waters	Waters - Production	Y
55	1397	2489 UV / Visible Detector	Waters	186248900	H1387E729A	12 Months	19-Jul-19	19-Jul-20	Internal	Joel Mamalateo Deduyo	Y	NA	Waters	Waters - Production	Y
56	1398	2489 UV / Visible Detector	Waters	186248900	H1387E730A	12 Months	11-Jul-19	11-Jul-20	Internal	Joel Mamalateo Deduyo	Y	NA	Waters	Waters - Production	Y
57	1399	2489 UV / Visible Detector	Waters	186248900	H1387E731A	12 Months	03-Jun-19	03-Jun-20	Internal	Joel Mamalateo Deduyo	Y	NA	Waters	Waters - Production	Y
58	1400	2489 UV / Visible Detector	Waters	186248900	H1387E732A	12 Months	11-Jun-19	11-Jun-20	Internal	Joel Mamalateo Deduyo	Y	NA	Waters	Waters - Production	Y
59	1401	2489 UV / Visible Detector	Waters	186248900	H1387E733A	12 Months	13-Jun-19	13-Jun-20	Internal	Joel Mamalateo Deduyo	Y	NA	Waters	Waters - Production	Y
60	1402	2489 UV / Visible Detector	Waters	186248900	H1387E734A	12 Months	19-Jul-19	19-Jul-20	Internal	Joel Mamalateo Deduyo	Y	NA	Waters	Waters - Production	Y
61	1403	2489 UV / Visible Detector	Waters	186248900	H1387E735A	12 Months	10-Jul-19	10-Jul-20	Internal	Joel Mamalateo Deduyo	Y	NA	Waters	Waters - Production	Y
62	1404	2489 UV / Visible Detector	Waters	186248900	H1387E736A	12 Months	21-Jun-19	21-Jun-20	Internal	Joel Mamalateo Deduyo	Y	NA	Waters	Waters - Production	Y
63	1405	2489 UV / Visible Detector	Waters	186248900	H1387E737A	12 Months	11-Jul-19	11-Jul-20	Internal	Joel Mamalateo Deduyo	Y	NA	Waters	Waters - Production	Y
64	1428	2489 UV / Visible Detector	Waters	186248900	H1387E710A	12 Months	11-Jul-19	11-Jul-20	Internal	Joel Mamalateo Deduyo	Y	NA	Waters	Waters - Production	Y
65	1429	2489 UV / Visible Detector	Waters	186248900	D1387E759A	12 Months	09-Apr-20	09-Apr-21	Internal	Joel Mamalateo Deduyo	Y	NA	Waters	Waters - Production	Y

Notes: *** Accreditation Body logo and number required in Calibration Certificate.

Prepared by: Chang Mei Lan

Name / Sign / Date

Approved by: Michelle Koh Sai Noi

Name / Sign / Date

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S/N	Equipment ID	Equipment Description	Manufacturer	Model	Equipment Serial Number	Interval	Calibration Date	Due Date	Vendor	Equipment-Owner	Customized Equip.	Customer ID	Customer	Location	Active
66	1430	2489 UV / Visible Detector	Waters	186248900	D1387E763A	12 Months	09-Apr-20	09-Apr-21	Internal	Joel Mamalateo Deduyo	Y	NA	Waters	Waters - Production	Y
67	1431	2489 UV / Visible Detector	Waters	186248900	D1387E765A	12 Months	09-Apr-20	09-Apr-21	Internal	Joel Mamalateo Deduyo	Y	NA	Waters	Waters - Production	Y
68	1432	2489 UV / Visible Detector	Waters	186248900	D1387E766A	12 Months	03-Apr-20	03-Apr-21	Internal	Joel Mamalateo Deduyo	Y	NA	Waters	Waters - Production	Y
69	1433	2489 UV / Visible Detector	Waters	186248900	C1387E135M	12 Months	08-Apr-20	08-Apr-21	Internal	Joel Mamalateo Deduyo	Y	NA	Waters	Waters - Production	Y
70	*** 1492	Electrical Safety Analyzer	Chroma	19032	19032G000182	12 Months	26-Oct-19	26-Oct-20	Micro Precision	Joel Mamalateo Deduyo	N	NA	Waters	Waters - Production	Y
71	1515	2489 UV / Visible Detector	WATERS	186248900	B1587E607A	12 Months	26-Dec-19	26-Dec-20	Internal	Joel Mamalateo Deduyo	Y	NA	Waters	Waters - Production	Y
72	1516	2489 UV / Visible Detector	WATERS	186248900	B1587E608A	12 Months	27-Dec-19	27-Dec-20	Internal	Joel Mamalateo Deduyo	Y	NA	Waters	Waters - Production	Y
73	1519	2489 UV / Visible Detector	WATERS	186248900	B1587E609A	12 Months	27-Dec-19	27-Dec-20	Internal	Joel Mamalateo Deduyo	Y	NA	Waters	Waters - Production	Y
74	1520	2489 UV / Visible Detector	WATERS	186248900	B1587E610A	12 Months	26-Dec-19	26-Dec-20	Internal	Joel Mamalateo Deduyo	Y	NA	Waters	Waters - Production	Y
75	1577	Macbeth Lighting	X-Rite	Judge II	C61093261217	12 Months	04-Sep-19	04-Sep-20	Xrite	Hayati Binte Isshak	N	NA	Waters	Changi South - IQA	Y
76	1781	Column Heater	WATERS	WAT091727	C13CHM795R	12 Months	17-Jul-19	17-Jul-20	Internal	Joel Mamalateo Deduyo	Y	NA	Waters	Waters - Production	Y
77	1782	Column Heater	WATERS	WAT091727	D12CHM299R	12 Months	17-Jul-19	17-Jul-20	Internal	Joel Mamalateo Deduyo	Y	NA	Waters	Waters - Production	Y
78	1783	Column Heater	WATERS	WAT091727	K14CHM398R	12 Months	18-Jul-19	18-Jul-20	Internal	Joel Mamalateo Deduyo	Y	NA	Waters	Waters - Production	Y
79	1784	Column Heater	WATERS	WAT091727	L14CHM438R	12 Months	19-Jul-19	19-Jul-20	Internal	Joel Mamalateo Deduyo	Y	NA	Waters	Waters - Production	Y
80	1787	Column Heater	WATERS	WAT091727	D15CHM641R	12 Months	19-Jul-19	19-Jul-20	Internal	Joel Mamalateo Deduyo	Y	NA	Waters	Waters - Production	Y
81	2035	Electronic Weigh Balance	AND	HR200	12336741	06 Months	15-Apr-20	15-Oct-20	Micro Precision	Joel Mamalateo Deduyo	N	NA	Waters (BSM/QSM)	Waters - Production	Y
82	2092	Electronic Weigh Balance	AND	HR200	12337042	06 Months	15-Apr-20	15-Oct-20	Micro Precision	Joel Mamalateo Deduyo	N	92207	Waters (Pump Series)	Waters - Production	Y
83	*** 2094	Load Box	Chroma	S14-03	14354695	12 Months	12-Dec-19	12-Dec-20	Micro Precision	Joel Mamalateo Deduyo	N	86080	Waters (Generic)	Waters - Production	Y
84	*** 2095	Load Box	Chroma	S14-03	14354681	12 Months	06-Mar-20	06-Mar-21	Micro Precision	Joel Mamalateo Deduyo	N	86081	Waters (Generic)	Waters - Production	Y
85	*** 2096	Load Box	Chroma	S14-03	14354691	12 Months	Send for cal	Send for cal	Micro Precision	Joel Mamalateo Deduyo	N	86079	Waters (Generic)	Waters - Production	Y
86	*** 2097	Load Box	Chroma	S14-03	7322788	12 Months	Send for cal	Send for cal	Micro Precision	Joel Mamalateo Deduyo	N	86085	Waters (Generic)	Waters - Production	Y
87	2217	Benchtop Measuring Machine	Quality Vision International	StarLite 150	RSL10022609	12 Months	30-Mar-20	30-Mar-21	Micro Precision	Joel Mamalateo Deduyo	N	95515	Waters	Waters - Production	Y
88	2348	2489 UV / Visible Detector	Waters	186248900	C1887E101A	12 Months	20-Mar-20	20-Mar-21	Internal	Joel Mamalateo Deduyo	Y	NA	Waters (eAlliance)	Waters - Production	Y
89	2349	2489 UV / Visible Detector	Waters	186248900	C1887E103A	12 Months	20-Mar-20	20-Mar-21	Internal	Joel Mamalateo Deduyo	Y	NA	Waters (eAlliance)	Waters - Production	Y
90	2350	2489 UV / Visible Detector	Waters	186248900	C1887E106A	12 Months	13-Mar-20	13-Mar-21	Internal	Joel Mamalateo Deduyo	Y	NA	Waters (eAlliance)	Waters - Production	Y
91	2351	2489 UV / Visible Detector	Waters	186248900	D1887E275A	12 Months	08-Apr-20	08-Apr-21	Internal	Joel Mamalateo Deduyo	Y	NA	Waters (eAlliance)	Waters - Production	Y
92	2352	Column Heater Module	Waters	WAT038040	M17CHM834M	12 Months	13-Jun-19	13-Jun-20	Internal	Joel Mamalateo Deduyo	Y	NA	Waters (eAlliance)	Waters - Production	Y
93	2353	Column Heater Module	Waters	WAT038040	M17CHM835M	12 Months	13-Jun-19	13-Jun-20	Internal	Joel Mamalateo Deduyo	Y	NA	Waters (eAlliance)	Waters - Production	Y
94	2354	Column Heater Module	Waters	WAT038040	M17CHM839M	12 Months	13-Jun-19	13-Jun-20	Internal	Joel Mamalateo Deduyo	Y	NA	Waters (eAlliance)	Waters - Production	Y
95	2355	Column Heater Module	Waters	WAT038040	M17CHM840M	12 Months	13-Jun-19	13-Jun-20	Internal	Joel Mamalateo Deduyo	Y	NA	Waters (eAlliance)	Waters - Production	Y
96	2769	Electronic Weigh Balance	AND	HR200	12303631	06 Months	07-Feb-20	07-Aug-20	Micro Precision	Joel Mamalateo Deduyo	N	82184	Waters	Waters - Production	Y

Notes: *** Accreditation Body logo and number required in Calibration Certificate.

Prepared by: Chang Mei Lan

Name / Sign / Date

05 MAY 2020

Approved by: Michelle Koh Sai Noi

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05 May 2020