

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	Send for cal	Send for cal	Micro Precision	Joel Mamalateo Delayo	N	NA	Waters	Waters - Production	Y
2	0206	Electronic Weight Balance	AND	HR200	12305757	06 Months	09-Jul-20	09-Jan-21	Micro Precision	Joel Mamalateo Delayo	N	90891	Waters	Waters - Production	Y
3	0207	Column Heater	Waters	WAT091727	M03CHIM013R	12 Months	03-Apr-20	03-Apr-21	Internal	Joel Mamalateo Delayo	Y	81008	Waters	Waters 5th Floor	Y
4	0208	Column Heater	Waters	WAT091727	E01CHIM033R	12 Months	03-Apr-20	03-Apr-21	Internal	Joel Mamalateo Delayo	Y	81009	Waters	Waters 5th Floor	Y
5	0209	Column Heater	Waters	WAT091727	D01CHIM128R	12 Months	23-Jan-20	23-Jan-21	Internal	Joel Mamalateo Delayo	Y	81010	Waters	Waters - Production	Y
6	0210	Column Heater	Waters	WAT091727	K03CHIM938R	12 Months	23-Jan-20	23-Jan-21	Internal	Joel Mamalateo Delayo	Y	81011	Waters	Waters - Production	Y
7	0211	Column Heater	Waters	WAT091727	B03CHIM551R	12 Months	24-Jan-20	24-Jan-21	Internal	Joel Mamalateo Delayo	Y	81012	Waters	Waters - Production	Y
8	0212	Column Heater	Waters	WAT091727	F00CHIM238R	12 Months	24-Jan-20	24-Jan-21	Internal	Joel Mamalateo Delayo	Y	81013	Waters	Waters - Production	Y
9	0213	Column Heater	Waters	WAT091727	F00CHIM331R	12 Months	29-Jan-20	29-Jan-21	Internal	Joel Mamalateo Delayo	Y	81014	Waters	Waters - Production	Y
10	0216	Electronic Weight Balance	AND	HR200	12200404	06 Months	09-Jul-20	09-Jan-21	Micro Precision	Joel Mamalateo Delayo	N	90038	Waters	Waters - Production	Y
11	0217	Electronic Weight Balance	AND	HR200	12303279	06 Months	09-Jul-20	09-Jan-21	Micro Precision	Joel Mamalateo Delayo	N	90018	Waters	Waters - Production	Y
12	0221	1500 Series Pump Final Test Station	Waters	Pump	TER8705-2	06 Months	21-May-20	21-Nov-20	Internal	Joel Mamalateo Delayo	Y	TER8705-2	Waters	Waters - Production	Y
13	0222	515 Final Test Station	Waters	Pump	TER2534	06 Months	21-May-20	21-Nov-20	Internal	Joel Mamalateo Delayo	Y	TER2534	Waters	5th Floor	Y
14	0223	HPMV Tester	Waters	NA	TER8625-1	06 Months	16-Jul-20	16-Jan-21	Internal	Joel Mamalateo Delayo	Y	TER8625-1	Waters	Waters - Production	Y
15	0224	2600 Pump Head Tester	Waters	NA	TER2519	06 Months	22-May-20	22-Nov-20	Internal	Joel Mamalateo Delayo	Y	TER2519	Waters	Waters - Production	Y
16	0225	Injector Seal Pack Tester	Waters	TER8303-4	TER8303-4	06 Months	16-Jul-20	16-Jan-21	Internal	Joel Mamalateo Delayo	Y	TER8303-4	Waters	Waters - Production	Y
17	0226	Electronic Weight Balance	AND	HR200	12315717	06 Months	09-Jul-20	09-Jan-21	Micro Precision	Joel Mamalateo Delayo	N	90913	Waters	Waters - Production	Y
18	0233	Column Heater	Waters	WAT038040	H01CHIM352M	12 Months	29-Jan-20	29-Jan-21	Internal	Joel Mamalateo Delayo	Y	81020	Waters	Waters - Production	Y
19	0234	Column Heater	Waters	WAT038040	M00CHIM910M	12 Months	29-Jan-20	29-Jan-21	Internal	Joel Mamalateo Delayo	Y	81021	Waters	Waters - Production	Y
20	0235	Column Heater	Waters	WAT038040	H01CHIM333M	12 Months	29-Jan-20	29-Jan-21	Internal	Joel Mamalateo Delayo	Y	81022	Waters	Waters - Production	Y
21	0236	Column Heater	Waters	WAT038040	MX6IM7863M	12 Months	30-Jan-20	30-Jan-21	Internal	Joel Mamalateo Delayo	Y	81018	Waters	Waters - Production	Y
22	0237	Column Heater	Waters	WAT038040	L97CHIM711M	12 Months	30-Jan-20	30-Jan-21	Internal	Joel Mamalateo Delayo	Y	81019	Waters	Waters 5th Floor	Y
23	0238	Column Heater	Waters	WAT038040	MX6KX9444M	12 Months	02-Apr-20	02-Apr-21	Internal	Joel Mamalateo Delayo	Y	81017	Waters	Waters - Production	Y
24	0239	Column Heater	Waters	WAT038040	MX3MM5993M	12 Months	30-Jan-20	30-Jan-21	Internal	Joel Mamalateo Delayo	Y	81023	Waters	Waters - Production	Y
25	0244	Column Heater	Waters	WAT038040	MX6IM7867M	12 Months	30-Jan-20	30-Jan-21	Internal	Joel Mamalateo Delayo	Y	81016	Waters	Waters - Production	Y
26	0245	Digital Multimeter	Fluke	110	85730619	12 Months	16-Dec-19	16-Dec-20	TSIA	Joel Mamalateo Delayo	N	96263	Waters	Waters - Production	Y
27	0246	Digital Multimeter	Fluke	179	90240092	12 Months	13-Feb-20	13-Feb-21	TSIA	Joel Mamalateo Delayo	N	91368	Waters	Waters - Production	Y
28	0249	Electrical Safety Analyzer	Quatech	Guardian 6000	5037655	12 Months	08-Jan-20	08-Jan-21	Micro Precision	Joel Mamalateo Delayo	N	95037	Waters	Waters 5th Floor	Y
29	0256	Pressure Calibrator	Ametek	APC10KINDG	9093205	12 Months	22-Nov-19	21-Nov-20	Scientific Instruments	Joel Mamalateo Delayo	N	WT-TE-0331	Waters	5th Floor	Y
30	0259	Injector Seal Pack Tester	Waters	TER8303-5	TER8303-5	06 Months	27-Feb-20	27-Aug-20	Internal	Joel Mamalateo Delayo	Y	TER8303-05	Waters	Waters - Production	Y
31	0278	Electronic Weight Balance	AND	HR200	12316922	06 Months	09-Jul-20	09-Jan-21	Micro Precision	Joel Mamalateo Delayo	N	95206	Waters	Waters - Production	Y
32	0279	High Voltage Probe	Fluke	80K-6	89200011	12 Months	24-Sep-19	24-Sep-20	SGS	Joel Mamalateo Delayo	N	NA	Waters	Waters - Production	Y
33	0280	Clamp Meter	Kyritau	2033	66386	12 Months	Send for cal	Send for cal	Micro Precision	Joel Mamalateo Delayo	N	NA	Waters	Waters - Production	Y
34	0360	Electrical Safety Analyzer	Quatech	Guardian 6000	6069766	12 Months	28-Nov-19	28-Nov-20	Micro Precision	Joel Mamalateo Delayo	N	NA	Waters	Waters 5th Floor	Y
35	0431	Picoammeter	Kelley	485	435110	12 Months	18-Feb-20	18-Feb-21	Kysight Technologies	Joel Mamalateo Delayo	N	NA	Waters	5th Floor	Y
36	0432	Electrical Safety Analyzer	Quatech	Guardian 6000 Plus	08280865	12 Months	03-Oct-19	03-Oct-20	Micro Precision	Joel Mamalateo Delayo	N	NA	Waters	Waters - Production	Y
37	0458	Auto Pressure (Flowcell Tester)	Waters	NA	TE-8475-2	12 Months	09-Apr-20	09-Apr-21	Internal	Joel Mamalateo Delayo	Y	NA	Waters	5th Floor	Y
38	0497	Electronic Weight Balance	AND	HR200	12326186	06 Months	09-Jul-20	09-Jan-21	Micro Precision	Joel Mamalateo Delayo	N	90610	Waters	Waters - Production	Y

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

Prepared by: Chai Joon Loi Mj 13 Aug 2020 (Name/Signature/Date)

Approved by:

Michelle Koh Sui Hor 13 Aug 2020 (Name/Signature/Date)

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SN	Equipment ID	Equipment Description	Manufacturer	Model	Equipment Serial Number	Interval	Calibration Date	Due Date	Vendor	Equipment Owner	Customized Equip.	Customer ID	Customer	Location	Active
39	0499	Electronic Weight Balance	AND	HR200	12324733	06 Months	03-Jun-20	05-Dec-20	Micro Precision	Joel Mamalateo Deluyo	N	90605	Waters	Waters - Production	Y
40	0500	Electronic Weight Balance	AND	HR200	12326184	06 Months	15-Apr-20	15-Oct-20	Micro Precision	Joel Mamalateo Deluyo	N	90608	Waters	Waters - Production	Y
41	0501	Electronic Weight Balance	AND	HR200	12326187	06 Months	03-Jun-20	03-Dec-20	Micro Precision	Joel Mamalateo Deluyo	N	90604	Waters (1500 Pump)	Waters - Production	Y
42	0502	Electronic Weight Balance	AND	HR200	12326180	06 Months	03-Jun-20	03-Dec-20	Micro Precision	Joel Mamalateo Deluyo	N	90603	Waters	Waters - Production	Y
43	0503	Electronic Weight Balance	AND	HR200	12326190	06 Months	03-Jun-20	03-Dec-20	Micro Precision	Joel Mamalateo Deluyo	N	90600	Waters	Waters - Production	Y
44	0504	Electronic Weight Balance	AND	HR200	12326279	06 Months	03-Jun-20	03-Dec-20	Micro Precision	Joel Mamalateo Deluyo	N	90607	Waters	Waters - Production	Y
45	0502	Torque Wrench	Snip-on	QD211000	100932563	06 Months	04-Mar-20	04-Sep-20	Ming Deng	Phani	N	NA	Waters	5th Floor	Y
46	0504	Dial Depth Gauge	Mitutoyo	2904S / 7217S	LQY537 / 000943	06 Months	06-Mar-20	06-Sep-20	Ming Deng	Phani	N	NA	Waters	Waters - Production	Y
47	0505	Dial Indicator	Mitutoyo	2514S	JD1576	06 Months	06-Mar-20	06-Sep-20	Ming Deng	Phani	N	NA	Waters	Waters - Production	Y
48	0507	Mass Flow Meter	AALBORG	GFM17	170609-1	12 Months	08-Jul-20	08-Jul-21	Caltek	Joel Mamalateo Deluyo	N	NA	Waters	Waters - Production	Y
49	0877	Torque Wrench	Snip-on	QD1R200	0408302147	06 Months	04-Mar-20	04-Sep-20	Ming Deng	Gary Lai Yan Bee	N	NA	Waters	Waters - Production	Y
50	1109	Dual Wavelength Detector	Waters	TUV Detector	K03UPT479M	12 Months	31-Jan-20	31-Jan-21	Internal	Joel Mamalateo Deluyo	Y	91897	Waters	Waters - Production	Y
51	1394	2489 UV / Visible Detector	Waters	186248900	H1387E726A	12 Months	12-Jun-20	12-Jun-21	Internal	Joel Mamalateo Deluyo	Y	NA	Waters	Waters - Production	Y
52	1395	2489 UV / Visible Detector	Waters	186248900	H1387E727A	12 Months	09-Jul-20	09-Jul-21	Internal	Joel Mamalateo Deluyo	Y	NA	Waters	Waters - Production	Y
53	1396	2489 UV / Visible Detector	Waters	186248900	H1387E728A	12 Months	24-Jun-20	24-Jun-21	Internal	Joel Mamalateo Deluyo	Y	NA	Waters	Waters - Production	Y
54	1397	2489 UV / Visible Detector	Waters	186248900	H1387E729A	12 Months	20-Jul-20	20-Jul-21	Internal	Joel Mamalateo Deluyo	Y	NA	Waters	Waters - Production	Y
55	1398	2489 UV / Visible Detector	Waters	186248900	H1387E730A	12 Months	09-Jul-20	09-Jul-21	Internal	Joel Mamalateo Deluyo	Y	NA	Waters	Waters - Production	Y
56	1399	2489 UV / Visible Detector	Waters	186248900	H1387E731A	12 Months	04-Jun-20	04-Jun-21	Internal	Joel Mamalateo Deluyo	Y	NA	Waters	Waters - Production	Y
57	1400	2489 UV / Visible Detector	Waters	186248900	H1387E732A	12 Months	12-Jun-20	12-Jun-21	Internal	Joel Mamalateo Deluyo	Y	NA	Waters	Waters - Production	Y
58	1401	2489 UV / Visible Detector	Waters	186248900	H1387E733A	12 Months	12-Jun-20	12-Jun-21	Internal	Joel Mamalateo Deluyo	Y	NA	Waters	Waters - Production	Y
59	1402	2489 UV / Visible Detector	Waters	186248900	H1387E734A	12 Months	17-Jul-20	17-Jul-21	Internal	Joel Mamalateo Deluyo	Y	NA	Waters	Waters - Production	Y
60	1403	2489 UV / Visible Detector	Waters	186248900	H1387E735A	12 Months	08-Jul-20	08-Jul-21	Internal	Joel Mamalateo Deluyo	Y	NA	Waters	Waters - Production	Y
61	1404	2489 UV / Visible Detector	Waters	186248900	H1387E736A	12 Months	19-Jun-20	19-Jun-21	Internal	Joel Mamalateo Deluyo	Y	NA	Waters	Waters - Production	Y
62	1405	2489 UV / Visible Detector	Waters	186248900	H1387E737A	12 Months	09-Jul-20	09-Jul-21	Internal	Joel Mamalateo Deluyo	Y	NA	Waters	Waters - Production	Y
63	1428	2489 UV / Visible Detector	Waters	186248900	H1387E710A	12 Months	09-Jul-20	09-Jul-21	Internal	Joel Mamalateo Deluyo	Y	NA	Waters	Waters - Production	Y
64	1429	2489 UV / Visible Detector	Waters	186248900	D1387E759A	12 Months	09-Apr-20	09-Apr-21	Internal	Joel Mamalateo Deluyo	Y	NA	Waters	Waters - Production	Y
65	1430	2489 UV / Visible Detector	Waters	186248900	D1387E763A	12 Months	09-Apr-20	09-Apr-21	Internal	Joel Mamalateo Deluyo	Y	NA	Waters	Waters - Production	Y
66	1431	2489 UV / Visible Detector	Waters	186248900	D1387E765A	12 Months	09-Apr-20	09-Apr-21	Internal	Joel Mamalateo Deluyo	Y	NA	Waters	Waters - Production	Y
67	1432	2489 UV / Visible Detector	Waters	186248900	D1387E766A	12 Months	03-Apr-20	03-Apr-21	Internal	Joel Mamalateo Deluyo	Y	NA	Waters	Waters - Production	Y
68	1433	2489 UV / Visible Detector	Waters	186248900	C1387E713M	12 Months	08-Apr-20	08-Apr-21	Internal	Joel Mamalateo Deluyo	Y	NA	Waters	Waters - Production	Y
69	1492	Electrical Safety Analyzer	Chroma	19032	19032G000182	12 Months	26-Oct-19	26-Oct-20	Micro Precision	Joel Mamalateo Deluyo	N	NA	Waters	Waters - Production	Y
70	1515	2489 UV / Visible Detector	WATERS	186248900	B1587E607A	12 Months	26-Dec-19	26-Dec-20	Internal	Joel Mamalateo Deluyo	Y	NA	Waters	Waters - Production	Y
71	1516	2489 UV / Visible Detector	WATERS	186248900	B1587E608A	12 Months	27-Dec-19	27-Dec-20	Internal	Joel Mamalateo Deluyo	Y	NA	Waters	Waters - Production	Y
72	1519	2489 UV / Visible Detector	WATERS	186248900	B1587E609A	12 Months	27-Dec-19	27-Dec-20	Internal	Joel Mamalateo Deluyo	Y	NA	Waters	Waters - Production	Y
73	1520	2489 UV / Visible Detector	WATERS	186248900	B1587E610A	12 Months	26-Dec-19	26-Dec-20	Internal	Joel Mamalateo Deluyo	Y	NA	Waters	Waters - Production	Y
74	1577	Macbeth Lighting	X-Rite	Judge II	C61093261217	12 Months	04-Sep-19	04-Sep-20	Xrite	Hayati Binte Isahak	N	NA	Waters	Clungti South - IQA	Y
75	1781	Column Heater	WATERS	WAT091727	C13CHM795K	12 Months	17-Jul-20	17-Jul-21	Internal	Joel Mamalateo Deluyo	Y	NA	Waters	Waters - Production	Y
76	1782	Column Heater	WATERS	WAT091727	D12CHM299R	12 Months	17-Jul-20	17-Jul-21	Internal	Joel Mamalateo Deluyo	Y	NA	Waters	Waters - Production	Y

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Prepared by: ChaiJoan Loi Wai 13 Aug 2020 (Name/Signature/Date)

Approved by:

Michael G. Poh Sui Noi 13 Aug 2020 (Name/Signature/Date)This Document is controlled in FlexQ. All Copies (electronic or printed) are considered uncontrolled.
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77	1783	Column Heater	WATERS	WAT091727	K14CHM398R	12 Months	17-Jul-20	17-Jul-21	Internal	Joel Mamilaleo Deluyo	Y	NA	Waters	Waters - Production	Y
78	1784	Column Heater	WATERS	WAT091727	L14CHM438R	12 Months	17-Jul-20	17-Jul-21	Internal	Joel Mamilaleo Deluyo	Y	NA	Waters	Waters - Production	Y
79	1787	Column Heater	WATERS	WAT091727	D15CHM641R	12 Months	17-Jul-20	17-Jul-21	Internal	Joel Mamilaleo Deluyo	Y	NA	Waters	Waters - Production	Y
80	2035	Electronic Weigh Balance	AND	HF200	1236741	06 Months	15-Oct-20	15-Oct-20	Micro Precision	Joel Mamilaleo Deluyo	N	NA	Waters (BSM/QSM)	Waters - Production	Y
81	2092	Electronic Weigh Balance	AND	HF200	1237042	06 Months	15-Apr-20	15-Oct-20	Micro Precision	Joel Mamilaleo Deluyo	N	92207	Waters (Pump Series)	Waters - Production	Y
82	2094	Load Box	Chroma	S14-03	1435465	12 Months	12-Dec-19	12-Dec-20	TSIA	Joel Mamilaleo Deluyo	N	86080	Waters (Generic)	Waters - Production	Y
83	2095	Load Box	Chroma	S14-03	14354681	12 Months	06-Mar-20	06-Mar-21	Micro Precision	Joel Mamilaleo Deluyo	N	86079	Waters (Generic)	Waters - Production	Y
84	2096	Load Box	Chroma	S14-03	14354691	12 Months	02-May-20	02-May-21	Micro Precision	Joel Mamilaleo Deluyo	N	86085	Waters (Generic)	Waters - Production	Y
85	2097	Load Box	Chroma	S14-03	7322788	12 Months	02-May-20	02-May-21	Micro Precision	Joel Mamilaleo Deluyo	N	95515	Waters	Waters - Production	Y
86	2217	Benchtop Measuring Machine	Quality Vision International	Star Lite 150	RSL1002609	12 Months	30-Mar-20	30-Mar-21	Internal	Joel Mamilaleo Deluyo	Y	NA	Waters (eAlliance)	Waters - Production	Y
87	2348	2489 UV / Visible Detector	Waters	186248900	C1887E101A	12 Months	20-Mar-20	20-Mar-21	Internal	Joel Mamilaleo Deluyo	Y	NA	Waters (eAlliance)	Waters - Production	Y
88	2349	2489 UV / Visible Detector	Waters	186248900	C1887E103A	12 Months	20-Mar-20	20-Mar-21	Internal	Joel Mamilaleo Deluyo	Y	NA	Waters (eAlliance)	Waters - Production	Y
89	2350	2489 UV / Visible Detector	Waters	186248900	C1887E106A	12 Months	13-Mar-20	13-Mar-21	Internal	Joel Mamilaleo Deluyo	Y	NA	Waters (eAlliance)	Waters - Production	Y
90	2351	2489 UV / Visible Detector	Waters	186248900	D1887E275A	12 Months	08-Apr-21	08-Apr-21	Internal	Joel Mamilaleo Deluyo	Y	NA	Waters (eAlliance)	Waters - Production	Y
91	2352	Column Heater Module	Waters	WAT038040	M17CHM834M	12 Months	12-Jun-20	12-Jun-21	Internal	Joel Mamilaleo Deluyo	Y	NA	Waters (eAlliance)	Waters - Production	Y
92	2353	Column Heater Module	Waters	WAT038040	M17CHM835M	12 Months	12-Jun-20	12-Jun-21	Internal	Joel Mamilaleo Deluyo	Y	NA	Waters (eAlliance)	Waters - Production	Y
93	2354	Column Heater Module	Waters	WAT038040	M17CHM839M	12 Months	12-Jun-20	12-Jun-21	Internal	Joel Mamilaleo Deluyo	Y	NA	Waters (eAlliance)	Waters - Production	Y
94	2355	Column Heater Module	Waters	WAT038040	M17CHM840M	12 Months	12-Jun-20	12-Jun-21	Internal	Joel Mamilaleo Deluyo	Y	NA	Waters (eAlliance)	Waters - Production	Y
95	2769	Electronic Weigh Balance	AND	HF200	1203631	06 Months	09-Jul-20	09-Jan-21	Micro Precision	Joel Mamilaleo Deluyo	N	82184	Waters	Waters - Production	Y

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Prepared by: Christion Loi Wji 13 Aug 2020

(Name/Signature/Date)

Approved by:

Michelle Bern gar Noi

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13 Aug 2020

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