

DGP Equipment Maintenance/ Calibration Masterlist

Note: (1) DGP may apply company's QMS procedure for calibration / verification / validation accepted by Waters in this form. (2) DGP shall conduct necessary revalidation / verification if the equipments require repairs or are relocated. (3) Any amendment to the form shall be updated in the footnote and notify Waters for signatory.											UPDATED ON :		05-Mar-20		
S/N*	PO#	EQUIPMENT ID/ SN	EQUIPMENT DESCRIPTION	MODEL	*Validation/ Verification Required? Y/ N.A	PM/CAL Warranty/Contract Details	PM/CAL Interval	(PM) Periodic Maintenance Required Y/ N.A	(PM) Last Maintenance Date	(PM) Next Maintenance Date	(CAL) Calibration Required Y/ N.A	(CAL) Last Calibration Date	(CAL) Next Calibration Date	REMARKS	
1 - MAINTENANCE / CALIBRATION - TEMPERATURE - STORING AND MONITORING EQUIPMENT															
101	2016-305	COOLER 1 / 51.16 1065027	Laboratory Refrigerator	LR1400	Y - Validated by Installation and Operational Qualification (IQ/OQ)	PM for Fridge: Warranty Period: 19 Jul 2017 to 18 Jul 2018 Under contract: 15 Mar 2020 to 14 Mar 2021 (Refer to PO# 2019-460) Calibration for Sensor: N.A (Renew in 2020)	Annually	Yes - under warranty / contract (For fridge) * Verification for the temperature sensor is required during PM	28-Aug-19	27-Aug-20	Y - For sensor only	05-Mar-20	05-Mar-21		
102	2016-305	FREEZER 1 / 51.16 1065028	Laboratory Freezer	LF1400					28-Aug-19	27-Aug-20		05-Mar-20	05-Mar-21		
111	2019-147	COOLER 2 / 19191091783	Laboratory Refrigerator	LR1400	Pending for Installation Qualification (IQ) VAL001446	PM for Fridge: Under warranty: 05 Aug 2019 to 04 Aug 2020 Under contract: 05 Aug 2020 to 04 Aug 2023 (Refer to PO# 2019-147)			N.A	27-Aug-20		N.A	06-Apr-20	This is a newly installed equipment. Next PM & CAL date based on equipment installation date on 05 Aug 2019.	
112	2019-147	FREEZER 2 / 19191091782	Laboratory Freezer	LF1400	Pending for Installation Qualification (IQ) VAL001447	Calibration for Sensor: N.A (Renew in 2020)			N.A	27-Aug-20		N.A	06-Apr-20	This is a newly installed equipment. Next PM & CAL date based on equipment installation date on 05 Aug 2019.	
103	2016-305	LOGGER# 1 / 1216-00095	Dual Channel Temperature Transmitter with LCD Display (Used on Freezer 1)	Monitoring System RL4000 RL4002-434.075	Y - Validated by Performance Qualification (PQ)	PM: Under contract: N.A (Renew in 2020)	Annually	Y	06-Sep-19	05-Sep-20	Y	21-Sep-19	20-Sep-20	Temperature Range: -40°C to +60°C Probe Part# JO97-05 Channel A - SN# 1116-00911 Channel B - SN# 1116-00912	
104	2016-305	LOGGER# 2 / 1216-00096	Dual Channel Temperature Transmitter with LCD Display (Used on Cooler 1)			06-Sep-19			05-Sep-20	21-Sep-19		20-Sep-20	Temperature Range: -40°C to +60°C Probe Part# JO97-05 Channel A - SN# 1116-01070 Channel B - SN# 1116-01075		
105	2016-305	LOGGER# 3 / 1216-00099	Dual Channel Temperature Transmitter with LCD Display (Used on Freezer 1)		Y - Performance Verification completed for Cooler 1 & Freezer 1	Calibration: Under contract: N.A (Renew in 2020)			06-Sep-19	05-Sep-20		05-Oct-19	04-Oct-20	Temperature Range: -40°C to +60°C Probe Part# JO97-05 Channel A - SN# 1116-01079 Channel B - SN# 1116-01080	
107	2016-220	LOGGER# 4 / 0716-00964	Dual Channel Temperature Transmitter with LCD Display (Used on Cooler 1)		Y - Performance Verification required after calibration done				06-Sep-19	05-Sep-20		05-Oct-19	04-Oct-20	Temperature Range: -40°C to +60°C Probe Part# JO97-05 Channel A - SN# 0216-00505 Channel B - SN# 0816-00061	
113	2016-304	LOGGER# 5 / 1216-00090	Dual Channel Temperature Transmitter with LCD Display		Equipment are not in used currently	Calibration: Under contract: N.A (Renew in 2020)			10-Jul-17	N.A		01-Mar-19	N.A	Temperature Range: -40°C to +60°C Probe Part# JO97-05 Channel A - SN# 1116-00899 Channel B - SN# 1116-00901	
114	2016-304	LOGGER# 6 / 1216-00091	Dual Channel Temperature Transmitter with LCD Display						10-Jul-17	N.A		01-Mar-19	N.A	Temperature Range: -40°C to +60°C Probe Part# JO97-05 Channel A - SN# 1116-00903 Channel B - SN# 1116-00904	
115	2016-304	LOGGER# 7 / 1216-00094	Dual Channel Temperature Transmitter with LCD Display						10-Jul-17	N.A		01-Mar-19	N.A	Temperature Range: -40°C to +60°C Probe Part# JO97-05 Channel A - SN# 1116-00908 Channel B - SN# 1116-00910	
108	2016-305	192.168.1.13 / 1016-01128	Synergy Device Smart Receiver	SR2-E-P4	N.A	PM: Under contract: N.A (Renew in 2020)	Annually	Y	06-Sep-19	05-Sep-20	Y	N.A			
109	2016-305	1116-00354	Synergy Device External Transmitter	RX434.075					06-Sep-19	05-Sep-20					
110	2016-305	192.168.1.19 / 20-00-00-96	Notion Pro SMS Alert	IN-TA001					06-Sep-19	05-Sep-20					
106	N.A	90100084	Fridge	SMR-T330(SG)	Y - one time verified working condition, currently use for general chilling / freezing of goods require to store under chill / freeze - calibration is not required.	N.A	Weekly Cleaning		N.A			N.A			

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S/N#	PO#	EQUIPMENT ID/ SN	EQUIPMENT DESCRIPTION	MODEL	*Validation/ Verification Required? Y/ N.A	PM/CAL Warranty/Contract Details	PM/CAL Interval	(PM) Periodic Maintenance Required Y/ N.A	(PM) Last Maintenance Date	(PM) Next Maintenance Date	(CAL) Calibration Required Y/ N.A	(CAL) Last Calibration Date	(CAL) Next Calibration Date	REMARKS										
2 - ELECTRONICS - IT INFRASTRUCTURE																								
201	N.A	CN-OU274R-61180-04P-1E1M (SG3PLARA)	Monitor	E1910C	N.A	N.A																		
202	2016-450	CN-OUJPKM-72872-69H-CYCB-AOO (SG3PLLLWA)		E2216H																				
203	2016-450	94Z81H2 (SG3PLARA)	CPU	Optiplex 7040																				
204	2016-450	95141H2 (SG3PLLLWA)																						
207	2016-305	BB6MBX1	CPU	VOSTRO 270											No Warranty									
208	2016-305	635LM190EKA0613	19" TFT -LCD Monitor	GLM190ELM											N.A									
2 - ELECTRONICS - IT INFRASTRUCTURE (SERVER RACK)																								
212	N.A	10.249.17.254 / 0017C54431F8	Sonicwall TZ210	APL20-063	N.A	N.A																		
213	N.A	48575443D325AD18	Optical Network Terminal	EchoLife HG8040																				
214	N.A	RZLZ1G3000310	Wireless AC1750 Dual-Band Gigabit Cloud Router	DIR-868L																				
215	N.A	10.249.17.203 / LBNNTMMD510EGN	Ethernet Routing Switch	4524GT-PWR																				
216	2012-030	Unmarked	17U Network Cabinet (W600 x D600 x H945)	AS6617																				
2 - ELECTRONICS - PRINTER																								
225	2017-323	DGP1 / CNDXJG6D7	Printer with BarDimm	HP LaserJet Enterprise 600 M605dn	N.A	N.A																		
226	2017-323	DGP3 / CNDKK75769	Printer																					
219	2011-352	08J1116000322	Thermal Barcode Label Printer (SAP)	ZM400																				
2 - ELECTRONICS - HANDHELD SCANNING DEVICE																								
220	2011-352	11322520900508	Wireless Access Port with Antennas	AP-5131	N.A	N.A																		
227	N.A	8107000500272 <i>*Not in working condition</i>	Handheld Scanner (Catamaran v11)	MC9090																				
228	N.A	9186000502122																						
230	N.A	9186000502136																						
231	N.A	1409300504822													MC92N0									
223	2011-352	1132900503110	1-Dock Charger	CRD9000-1000																				
229	N.A	8290000501608 <i>*Not in working condition</i>		CRD9000-1000																				
3 - STORAGE																								
301	2015-362	Unmarked	Racking System - 12 Rack (Dimension 122 x 61 x 244 cm)	N.A																				
302	2015-362	Unmarked	Racking System - 8 Rack (Dimension 122 x 61 x 244 cm)	N.A																				
303	2015-362	Unmarked	Flammable Cabinet 2 DR Manual 60G	WA810600																				
3 - MHE - MATERIAL HANDLING																								
304	2015-344	LT-01	Step Ladder Trolley c/w 2 Platform	LT-Step03																				
305	N.A	Ladder	Ladder	N.A																				
3 - SIGNAGE AND STAMP																								
306	N.A	1pc	Self-Inking Stamp, 50mm X 17mm (Zack Lin's Signatory)	SUN Printers Group Pte Ltd																				

Any changes made are to be updated below:-
 101 PM contract details / Last and next CAL date updated
 102 PM contract details / Last and next CAL date updated
 111 next CAL date updated
 112 next CAL date updated