

CONTENTS PAGE

Client:	University of York		
Quotation Number:	15685	Date:	11/04/2022
Job Number:	IN1284	Date:	09/06/2022

- ☐ 1 QUOTATION ✓
- ☐ 2 CUSTOMER ORDER ✓
- ☐ 3 MACHINE SPECIFICATION DOCUMENT_S027_v11 ✓
- ☐ 4 LOG SHEET_S028_v3 ✓
- ☐ 5 FAULT REPORTING DOCUMENT_S029_v3 ✓
- ☐ 6 TEST ACCEPTANCE SPECIFICATION_S030_v9 ✓
- ☐ 7 ASSEMBLY AND TEST RECORD_S023_v5 ✓
- ☐ 8 SERIAL NUMBER FORM_S053_v4 ✓
- ☐ 9 TEST DATA - ON USB
- ☐ 10 PACKING LIST_S035b_v6 ✓
- ☐ 11 INSTALLATION REPORT_S057_v6
- ☐ 12 INSTALLATION ACCEPTANCE AND WARRANTY CERTIFICATE_S071_v3 ✓

ADDITIONAL:

Payment Terms:
 50% / 40% / 10%
Other: please specify

Penalty Clause Yes / No

Please specify: _____

Blue Book Completion:

Signed	<i>[Signature]</i>	Date	20/3/24
Verified	<i>[Signature]</i>	Date	20/3/24

3 - MACHINE SPECIFICATION

Client:	University of York		
Quotation Number:	15685	Date:	11/04/2022
Job Number:	IN1284	Date:	09/06/2022

Ref No.	Product Description	Required
HS2022 (continuous flow)		
20402/1	HS2022 Ref Gas + P Mag	
20402/2	HS2022 Ref Gas + E-Mag	
20402/3	HS2022 Ref Gas + Hd Collector + E-Mag	
20402/4	HS2022 Ref Gas + Hd Collector+E-Mag+Trap Loop	✓
20501	Hd Collector Assy ***	
50101/2	Trapping Loop Assy	
70201-1	70201-1 Analyser spares kit - Included	✓
EA Units		
10202/11	iso-EArth	
10202/13	iso-EArth+	
10202/14	iso-Earth with furnace upgrade Pyro (mo'c)	✓
10202/15	Iso-Earth (Without Autosampler)	
11802/1	Earth+PC	
11802/2	EArth+Clarity+PC	
70501-1	Consumables for C and N for Combustion Only	
70501-11	Simultaneous CNS Consumables Kit (approx. 10000 analysis)	
70501-3	Sample Prep Kit (Inc.)	✓
70501-4	GSL Combustion and Gas C & N Start Up Kit	
70501-5	Simultaneous NCS Consumables Kit	✓
70501-6	C&N Combustion Only Consumables Kit (approx. 5000 samples)	
70501-8	Simultaneous CNS Consumables Kit (approx. 5000 samples)	
70601-1	Sulphur Start Up Kit (Inc. with Sercon EA Systems)	
70601-2	Sulphur Consumables Kit for 1000 Samples	
70601-4	Sulphur Consumables Kit (approx. 5000 Samples)	
70801-2	Pyrolysis Consumables Kit-Low temp for Solids	
71701-1	Sub Microgram Nitrogen Analysis Start Up Kit	
SI2040	PN150 Pneumatic Autosampler with one no.50 pos, carousel	
SI2345	ME Micro Balance	
SI2737/A	Sercon 50 Position Autosampler Assy	
SI2789	Extra 50 Position Carousel	✓
SI2744	Automatic Liquid Sampler 15 Position	
SI2743	Liquid Sampler Mounting Plate	
Headspace Equilibration		
10202/10	XYZ Gas Sampling Control Box	
10302/1	Aqua System	
11103	µCarbs for CF	✓
11103-1	µCarbs for DI	
11601	200 Place Dual Heated Block 240 Volt	
11801	Sercon XYZ Gas Autosampler	
71107-1	CF oxygen-18 equilibration kit	
71107-2	DI Oxygen-18 Equilibration kit	
71201-1	CF deuterium equilibration kit	
71201-2	DI Deuterium Equilibration kit	
71801-1	WES-DI start up kit (Inc. with WES-DI)	
GC Units		
10402/2	Orchid module 1500C (Will run Hd 70901-1 C Spares Kit Inc)	
10901	Nitrogen Option (71301-1 N Spares kit Included)	
HP7890/1	Agilent 7890B GC System	
HP7890/2	Agilent 7890B GC with Auto Injector	
HP7890/3	Agilent 7890B GC + Auto Injector + 150 Vial Sample Tray	
SI2561	Nexis GC 2010 Plus	

3 - MACHINE SPECIFICATION

Client:	University of York		
Quotation Number:	15685	Date:	11/04/2022
Job Number:	IN1284	Date:	09/06/2022

Ref No.	Product Description	Required
GC Units <i>continued</i>		
SI2564	Nexis GC-2030	
70901-3	GC Pyrolysis H and O Start Up Kit	
70901-4	GC Pyrolysis H Spares Kit	
70901-5	GC Combustion C Spares Kit (approx. 5000 samples)	
70901-6	GC Pyrolysis h Start Up Kit (approx. 5000 samples)	
71301-1	GC N Spares kit	
ABCA2 Units		
10502/1	ABCA2 Sercon XYZ Autosampler	
10602	ABCA2 Gas Box	
20602	Complete Sercon ABCA2 system	
20603	ABCA IR Analyser	
70101-1	ABCA2 spares kit (Inc. With ABCA2)	
70101-2	ABCA2 Spares Kit for AB Analitica Systems	
70101-3	ABCA2 Autosampler Upgrade Kit	
SI1767	CVL505 – Barcode Reader	
SC9973	13C Urea breath test kit for Helicobacter pylori infection	
SC9974	Helicobacter Test kit for children age 3-11 (45mg)	
Integra2 Units		
20802/4	Integra2	
70201-2	Integra2 analyser spares kit - Included	
70401-1	Integra-2 consumables (Inc. With Integra2)	
Trace Gas Systems		
10802/4	CryoPrep	
10802/5	Automated LN refiller	
10802/6	CryoFlex (TOC)	
10802/7	CryoGas	
10802/8	CryoFlex (LA)	
SI2533	Silicon Carbide Vertical Furnace	
SI2731	213nm Laser Ablation System	
SI2733	isoScell 100 sampler chamber	
71001-1	Cryoprep Spares Kit	
71001-5	CryoGas Consumables Kit	
TOC Units		
14001	Thermalox Environmental TOC-IRMS	
14002	Thermalox Environmental TOC-Standalone	
14003	Thermalox Environmental TOC-Standalone No Sampler	
SI2772	CO2 Detector, High sensitivity Option	
SI2773	NOx detector Option	
SI2774	Vacuum pump Option	
SI2775	Stirred Vial rack Option	
72101-1	TOC Start Up Kit	
72101-2	TOC Chem Pack	
72101-3	TOC & TN Instrument with heavy usage - one year	
72101-4	TOC only - economy holding	
GEO 20-22 (dual inlet)		
10702	GEO 20-22 Water Equilibration System (D & 18O)	
21802/1	GEO 20-22	
21802/2	GEO 20-22 + E-Mag	

3 - MACHINE SPECIFICATION

Client:	University of York		
Quotation Number:	15685	Date:	11/04/2022
Job Number:	IN1284	Date:	09/06/2022

21802/3	GEO 20-22 + E-Mag +Hd	
21802/4	GEO 20-22 Inlet	
70301-1	GEO start up kit - Included	
70301-3E	Comprehensive GEO 20-22 spares kit for 5 years operation	

HT-EA

11501/4	HT-EA (With Autosampler)	
11501/5	HT-EA With Liquid Option	
11501/6	HT-EA Stand Alone	
11501/7	HT-EA (Without Autosampler)	
SI2622	CTC PAL3-LSI-L-S	
SI2624	CTC PAL3-Kit-Standalone	
70801-1	Pyrolysis Consumables Kit-High Temp for Solids	
71501-1	HT-EA Pyrolysis Start Up kit O and H	
71501-2	HT-EA Pyrolysis Kit for Water injections	
71501-3	HT-EA Sensitivity Start Up Kit for O & H in small samples	
71501-4	HT-EA Sensitivity Consumables Kit for O & H in small samples	
71501-5	HT-EA Sensitivity Kit for O&H in Small Samples (5000 samples)	
71501-7	HT-EA Kit for Room Temp Equilibration	
71501-8	HT-EA Pyrolysis Kit for Water injections (approx. 1 year kit)	

Ref No.	Product Description	Required
Upgrades		
12101	Evacuation System ***	
12102	2 Ref Gas+ Dilutor Box ***	
20101	Standard Source Assy ***	
20102	HS Source Assy ***	
20301	Standard Collector Assy ***	
30202/1	System Control Upgrade (Pmag) installation not included	Edwards Or Pfeiffer
30202/2	System Controller Upgrade (Emag) installation not included	Edwards Or Pfeiffer
10202/7	Preparation PCB Upgrade	
30202/3	Hijack Box ***	
30302/4	nEXT85 Edwards Pumping System Upgrade Single - installation not included	
30302/5	nEXT85 Edwards Pumping System Upgrade Dual - installation not included	
30302/6	nEXT85 Edwards Pumping System Upgrade Triple- installation not included	
SI2542	ABCA2 Upgrade Kit	
CALLISTOW	Callisto software upgrade ***	
Specials		
11702	LC-I interface	
12202	Leco Interface Unit	
SI2320	Agilent 1260 Series Refractive Index Detection HPLC System	
71401-1	ABCA-G Start Up/Spares Kit	
71401-2	ABCA-G Equilibration Spares Kit - Room temp O only	
71401-3	ABCA-G Equilibration Spares Kit - Room Temp O & H	
71601-1	LC Interface Spares Kit	
ADDITIONS		
PC	Windows 7 based PC System with Callisto Software	✓
Printer	Printer	✓
INST1	Installation and start up training at customer's site by Sercon Engineer	✓
INST2	Installation and start up training at customer's site by Agents Engineer	
WARR	1 year warranty	
WARR2	2 year warranty	✓
TRAIN	Training in UK for one person for 3 days	
SCONTRACT	Maintenance Service Contract - 1 year	

3 - MACHINE SPECIFICATION

Client:	University of York		
Quotation Number:	15685	Date:	11/04/2022
Job Number:	IN1284	Date:	09/06/2022

SPECIFICATION REQUIREMENTS			
Voltage	Volts 50/60Hzs	<i>230 volts</i>	
Plug Type	SI2510 3 Metre USA/Japan plug to IEC C 13		
	SI2511 2.5 Metre Australian plug to IEC C 13		
	SI2512 3 Metre UK 13 amp Fused plug to IEC C 13		✓
	SI2523 3metre Schuko (Euro) Plug to IEC C13 Socket		
	SI2514 2.5 metre Chinese mains to IEC C13		
Pallet	Stamped for export heat treated for 30 min @ 56 °C		
	Complies with all Export Requirements		✓

3 - MACHINE SPECIFICATION

Client:	University of York		
Quotation Number:	15685	Date:	11/04/2022
Job Number:	IN1284	Date:	09/06/2022

SPECIAL REQUIREMENTS (DETAILED SPECIFICATION)

Customer has quoted in their old unit.

Also on order. is SI 2832 Tray 3

KIT 71107-5 is also included with the

mCombs. CF.

Approved by Sales: (Name) <i>G Armstrong</i>	Date: <i>9/6/22</i>
Approved by Tech.: (Name) <i>M. O'Connor</i>	Date: <i>9/6/22</i>

4 - LOG SHEET

Client:	University of York		
Quotation Number:	15685	Date:	11/04/2022
Job Number:	IN1284	Date:	09/06/2022

Date	Action Taken	By Whom
28/9/22	Instrument Pumping down Pumps on 14.00	SM
	PyroEarth communicating appears to be an issue with V2 + V4	
	Temps appear to set and control as do most values SM	
①	GC won't heat up - wrong Fuse size 4Amp Should be 6Amp	SM
	New Controls	SM
29/9/22	reg gas crimps Set + ref Isolation crimp Set up	
	Carrier Flow rate Set to 15ml/min	SM
	* Instrument has old energy Supply on config Set to 1400 needs changing back when new one arrives to 18000	SM
30/9/22	N ₂ Peak + Stability good N ₂ ref gas Prec run - 0.03 ✓ N ₂ ref gas Lin - 0.12 ✓	SM
	CO ₂ peak ok, Stability also ok ✓ CO ₂ ref gas precision - 0.03 CO ₂ ref gas Linearity - 0.50	SM
3/10/22	HP Tuning - Peak is a little narrow Stability is ok	
	Ref gas Precision batch - 0.22 ✓ Ref gas Specs complete	SM

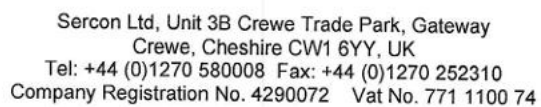
4 - LOG SHEET

Client:	University of York		
Quotation Number:	15685	Date:	11/04/2022
Job Number:	IN1284	Date:	09/06/2022

Date	Action Taken	By Whom
4/10/22	Both MFC were faulty both had different issues the Helium one would set a flow but readback incorrectly the Oxygen one was full scale regardless of what was set	SM
②	Both MFC replaced now works correctly	SM
	Instrument Flows now set and appears to be leak tight	
	reaction tubes made up Furnace heated up overnight	SM
6/10/22	Pyro furnace cooled and cooper wires checked: No sign of melting! system leak checked: Zero pressure drop over 5 minutes	SB
7/10/22	Reduction tube replaced due to cracking System leak checked and furnace flows ramped up to working temp leak checked main flow path from V6 - V9 M.S.: Zero pressure drop over 5+ mins. Ramp started @ 9am.	SB
16-10-22	Pressure tested both O ₂ and carrier line: Neither dropped in pressure over 10 minutes.	SB
14-10-22	Adjusted H.T. to SO ₂ settings and run pump/sul crystal to achieve good peak shape	SB

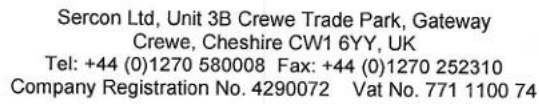


19/01/2017



Client:	University of York		
Quotation Number:	15685	Date:	11/04/2022
Job Number:	IN1284	Date:	09/06/2022

[illegible]

19/01/2017

6 - TEST / ACCEPTANCE SPECIFICATION

Customer:	University of York		
Quotation Number:	15685	Date:	11/04/2022
Job Number:	IN1284	Date:	09/06/2022

HS20-22				
Reference Gas Precision (n=5)				
¹³ C	(CO ₂)	0.06	0.03	✓
¹⁵ N		0.06	0.03	✓
¹⁸ O	(CO ₂)	0.06	0.03	✓
³⁴ S	(SO ₂)	0.1		
² H		0.4	0.22	✓

Reference Gas Linearity				
¹³ C	≤0.02‰/nA	0.30	STD Dev	✓
¹⁵ N	≤0.02‰/nA	0.12	STD Dev	✓

IsoEarth & IsoEarth+					
Combustion (n=5)					
¹³ C	100 µg C	0.1	0.08	✓	10 µg C 0.8
¹⁵ N	100 µg N	0.15	0.15	✓	10 µg N 1.5
³⁴ S	25 µg S	0.3	0.04	✓	10 µg S 1.0
Dual	400 µg C	0.1			100 µg N 0.15

Integra2			
¹³ C	100 µg C	0.2	
¹⁵ N	100 µg N	0.3	
Dual	100 µg N & 400 µg C	0.4 & 0.15	
³⁴ S	30 µg S	0.5	
¹⁸ O	100 µg O	0.5	



6 - TEST / ACCEPTANCE SPECIFICATION

Customer:	University of York		
Quotation Number:	15685	Date:	11/04/2022
Job Number:	IN1284	Date:	09/06/2022

HT-EA

Pyrolysis (n=5)

¹⁸ O	100 µg O or 1 µl water	0.3	0.29	✓
² H	200 µg H or 1 µl water	1.0	1.0	✓

Aqua, µCarbs & GasBox

Equilibrations (n=5)

¹⁸ O	0.2 ml water	0.1	
² H	0.2 ml water	2.0	

Carbonates (n=5)

¹³ C	100 µg CaCO ₃	0.08	
¹⁸ O	100 µg CaCO ₃	0.1	

Gas Analysis (n=5)

¹³ C	5% CO ₂	0.1		Air CO ₂	0.1	
¹⁸ O	5% CO ₂	0.1		Air CO ₂	0.2	
² H	0.5 ml H ₂	1.5				
¹⁵ N	0.5 ml N ₂	0.1		100 ppm N ₂ O	0.5	
¹³ C	Breath (12 ml)	0.1				

DIC (n=5)

¹³ C	15ppm (0.5ml)	0.15	
-----------------	---------------	------	--

LC-I

(n=5)

¹³ C		0.2	
-----------------	--	-----	--

6 - TEST / ACCEPTANCE SPECIFICATION

Customer:	University of York		
Quotation Number:	15685	Date:	11/04/2022
Job Number:	IN1284	Date:	09/06/2022

GC Orchid						
Combustion (n=3 for each analyte)						
¹³ C	3 Alkanes	100 ng C	0.2		10 ng C	0.5
¹⁵ N	2 Amines	100 ng N	0.5		14 ng N	1.5
Pyrolysis (n=3 for each analyte)						
² H	3 Alkanes	250 ng H	3.0		25 ng H	10.0
¹⁸ O	3 FAMES	100 ng O	0.5		20 ng O	2.0
Water pyrolysis (n=5)						
² H	0.1 µl water	3.0				
¹⁸ O	0.1 µl water	0.4				

CryoRange						
(n=5)						
¹³ C	Air CO ₂ (12ml)	0.1		Air CH ₄ (125ml)	0.2	
¹⁵ N	Air N ₂ (1ml)	0.1		Air N ₂ O (125ml)	0.4	
¹⁸ O	Air CO ₂ (12ml)	0.15		Air N ₂ O (125ml)	0.7	
¹⁸ O	Air O ₂ (1ml)	0.1				
² H	Air CH ₄	3.0				
¹³ C	TOC (5ppm)	0.4				
¹³ C	Laser					

6 - TEST / ACCEPTANCE SPECIFICATION

Customer:	University of York		
Quotation Number:	15685	Date:	11/04/2022
Job Number:	IN1284	Date:	09/06/2022

Geo2			
Internal precision (no change overs)			
² H	200 Bar µl	0.15	
¹³ C	100 Bar µl	0.01	
¹⁵ N	100 Bar µl	0.01	
¹⁸ O	100 Bar µl	0.015	
³⁴ S	100 Bar µl	0.015	
Single cold finger volumes (10 change overs)			
¹³ C	20 Bar µl	0.01	
¹⁸ O	20 Bar µl	0.015	
¹³ C	3 Bar µl	0.02	
¹⁸ O	3 Bar µl	0.03	
CAPS (n=5)			
¹³ C	50 µg CaCO ₃	0.03	
¹⁸ O	50 µg CaCO ₃	0.06	
WES (n=5)			
² H		1.0	
¹⁸ O		0.05	
Manifold (10 tubes)			
² H		0.5	
¹³ C		0.02	
¹⁵ N		0.02	
¹⁸ O		0.03	
³⁴ S		0.03	

6 - TEST / ACCEPTANCE SPECIFICATION

Customer:	University of York		
Quotation Number:	15685	Date:	11/04/2022
Job Number:	IN1284	Date:	09/06/2022

Special tests

Sales Signature: <i>J. O'Connor</i>	Date: <i>16/11/22</i>
Test Signature: <i>S. Mather</i>	Date: <i>16/11/22</i>

7: ASSEMBLY AND TEST RECORD

Client:	University of York		
Quotation Number:	15685	Date:	11/04/2022
Job Number:	IN1284	Date:	09/06/2022

PRODUCT:

20/22 - EMAY-T-Loop

SERIAL NUMBER:

20402/4-2022/1284

 ASSEMBLED:
 (Name)

James Han

Date:

16/9/22

 PRE-TEST
 INSPECTION:
 (Production name)

P. Hayes

Date:

16/9/22

 PRE-TEST
 INSPECTION:
 (Test name)

S. Meeley

Date:

16/9/22

 SYSTEM TEST:
 (Name)

S. Meeley

Date:

14/11/22

 PRE-DESPATCH
 INSPECTION:
 (Name)

Ben James Han

Date:

16/11/22
P.A.T. Test results

 In compliance with Low Voltage directive 73/23/EEC
 To Low Voltage standard EN61010 – 1:1993

Earth Continuity

25A 0.075Ω

Insulation

> 300 MΩ

Earth Leakage Current

0.30 mA. @ 0.05 kVA.

Tested by:

P. Hayes

Date:

16/9/22

7: ASSEMBLY AND TEST RECORD

Client:	University of York		
Quotation Number:	15685	Date:	11/04/2022
Job Number:	IN1284	Date:	09/06/2022

PRODUCT:

PYRO EARTH.

SERIAL NUMBER:

10202/14-2022/1284

ASSEMBLED:
(Name)

ABorn

Date:

16/9/22

PRE-TEST
INSPECTION:
(Production name)

P. Hayls

Date:

16/9/22

PRE-TEST
INSPECTION:
(Test name)

S. Messer

Date:

16/9/22

S. Messer

Date:

14/11/22

SYSTEM TEST:
(Name)

PRE-DESPATCH
INSPECTION:
(Name)

ABorn

Date:

16/11/22

P.A.T. Test results

In compliance with Low Voltage directive 73/23/EEC
To Low Voltage standard EN61010 – 1:1993

16AMP

Earth Continuity

Ω

Insulation

MΩ

Earth Leakage Current

mA. @ _____ kVA.

Tested by:

Date:

7: ASSEMBLY AND TEST RECORD

Client:	University of York		
Quotation Number:	15685	Date:	11/04/2022
Job Number:	IN1284	Date:	09/06/2022

PRODUCT:

Carbs system for CF

SERIAL NUMBER:

11103-2022/1284

 ASSEMBLED:
 (Name)

James Hume

Date:

16/9/22

 PRE-TEST
 INSPECTION:
 (Production name)

P. Hays

Date:

16/9/22

 PRE-TEST
 INSPECTION:
 (Test name)

S. Mascher

Date:

16/9/22

 SYSTEM TEST:
 (Name)

S. Mascher

Date:

14/11/22.

 PRE-DESPATCH
 INSPECTION:
 (Name)

ABN James Hume

Date:

16/11/22

P.A.T. Test results

 In compliance with Low Voltage directive 73/23/EEC
 To Low Voltage standard EN61010 – 1:1993

Earth Continuity

 _____ Ω

Insulation

 _____ $M\Omega$

Earth Leakage Current

_____ mA. @ _____ kVA.

Tested by:

Date:

8 - Serial Numbers Record Document

Client:	University of York		
Quotation Number:	15685	Date:	11/04/2022
Job Number:	IN1284	Date:	09/06/2022

Units	S/N	PCBs	S/N
MS/ABCA	20402/4-2022/1284	Electronics Box	20190019
Integra 2	-	Prep PCB	20220002
Prep Unit 1	10202/14-2022/1284	VFC PCB	22007
Prep Unit 2/Misc	11/03/2022/1284	Watchdog PCB	-
Electronics Upgrade	-	Head Amp PCB 1	22006
CETAC	-	Head Amp PCB 2	22003
Gas Box	-	Electromagnet RP	22007
Autosampler	42660		
BCR	-		
Dual Heater Block	-		

VCA/B/S

Pump Kit and Optics	S/N
Turbo pump S	220023399
Turbo pump A	220254083
Rotary Pump	220205719
Voltage	110 / (240)
Gauge S	220451400
Gauge A	220505194
Source	20102HS-197
Collector 1	20301-119
Collector 2	20501-047
Magnet	127

Parts	S/N
Fan PSU	-
24V PSU	-

Furnaces	S/N
Combustion	-
Reduction	-
HT-EA	-
GC Oven	-
Furnace 1	-
Furnace 2	-

PC	S/N
PC	C9LJYP3
Monitor	C0YM9M3
Printer	-

Key

Pumps:	E: Edwards P: Pfeiffer
Furnaces:	V/S: Vecstar E: Elite
Magnet:	E: Electromagnet S: Standard
Turbos & Gauges:	S: Source A: Analyser
Collectors:	Std: Standard S: Sulphur HD: Hydrogen Deuterium

Additional System Info:

7: ASSEMBLY AND TEST RECORD

Client:	University of York		
Quotation Number:	15685	Date:	11/04/2022
Job Number:	IN1284	Date:	09/06/2022

PRODUCT:

XYZ GAS SAMPLING CON BOX

SERIAL NUMBER:

10202/10-2022/1284

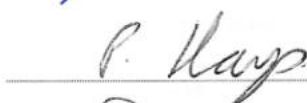
 ASSEMBLED:
 (Name)



Date:

16/9/22

 PRE-TEST
 INSPECTION:
 (Production name)



Date:

16/9/22

 PRE-TEST
 INSPECTION:
 (Test name)



Date:

16/9/22

 SYSTEM TEST:
 (Name)



Date:

14/11/22

 PRE-DESPATCH
 INSPECTION:
 (Name)



Date:

16/11/22

P.A.T. Test results

 In compliance with Low Voltage directive 73/23/EEC
 To Low Voltage standard EN61010 – 1:1993

Earth Continuity

Ω

Insulation

MΩ

Earth Leakage Current

mA. @

kVA.

Tested by:

Date: