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Quotation Number:	14642	Date:	18/10/2022
Job Number:	IN1297	Date:	05/12/2022

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ADDITIONAL:

Payment Terms:

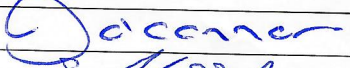
50% / 40% / 10%

Other: please specify

Penalty Clause Yes / No

Please specify:

Blue Book Completion:

Signed		Date	17/11/23
Verified		Date	17/11/23

6 - ABCA2 TEST / ACCEPTANCE SPECIFICATION

Customer:	Cerba		
Quotation Number:	14642	Date:	18/10/2022
Job Number:	IN1297	Date:	05/12/2022
Unit Serial Number			
Gas Box Serial Number			
Autosampler Serial Number			

13C				
Ref Gas Injection Precision	100% CO ₂ (n=5)	≤0.1‰ RECORD VALUE HERE 0.02	Test ☒	Install ☐
			Sheet ☐	Sheet ☐
Ref gas in tubes precision	10ml 5% CO ₂ (n=5)	≤0.1‰ RECORD VALUE HERE	Test ☐	Install ☐
			Sheet ☐	Sheet ☐
Breath Precision	Breath in Exetainer (n=5)	≤0.2‰ RECORD VALUE HERE 0.08	Test ☒	Install ☐
			Sheet ☐	Sheet ☐
Sensitivity	10ml 5% CO ₂ in Exetainer	Major beam 5e-9 with trap of 150 RECORD VALUE HERE	Test ☐	Install ☐
			Sheet ☐	Sheet ☐
Linearity	0.5% - 8.0% CO ₂ in Exetainer	≤0.3 % change RECORD VALUE HERE 0.26	Test ☒	Install ☐
			Sheet ☐	Sheet ☐
Peak Shape	Beam 1,2 and 2/1	Minimum 5V wide 2/1. Gradient acceptable due to single turbo pump	Test ☒	Install ☐
			Sheet ☐	Sheet ☐
Stability	2/1 ratio over 600 seconds	Flat, no spikes or variations. Slight gradient acceptable	Test ☒	Install ☐
			Sheet ☐	Sheet ☐
Software Test	All read backs Valves function Autosampler bed CETAC Firmware Version No.:	☒ ☒ ☒ 800.7.0.25575	Date 27/2/23	Initial SM.

Flow Meter S/N.....102744..... Leak Detector S/N.....118443.....

Multi-Meter S/N.....DUM1.....

Special Tests

Linearity to be better than 0.3‰ and recorded

Sales Signature: <i>Goldener</i>(Required)	Date: 27/2/23
Test Signature: <i>S. Hoer</i>(Completed)	Date: 27/2/23
Install Signature:(Completed)	Date:

Data to be transferred to:

\\CENTRAL-SERVER\\CentralFiles\\SER SPREADSHEETS\\Instrument Performance Spreadsheet.xls

7: ASSEMBLY AND TEST RECORD

Client:	Cerba		
Quotation Number:	14642	Date:	18/10/2022
Job Number:	IN1297	Date:	05/12/2022

PRODUCT:

VERSA 1 ASCA

SERIAL NUMBER:

60101/1-2023/1297

 ASSEMBLED:
 (Name)



Date:

20/1/23

 PRE-TEST
 INSPECTION:
 (Production name)



Date:

20/1/23

 PRE-TEST
 INSPECTION:
 (Test name)



Date:

20/1/23

 SYSTEM TEST:
 (Name)



Date:

27/2/23

 PRE-DESPATCH
 INSPECTION:
 (Name)



Date:

02/03/23

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

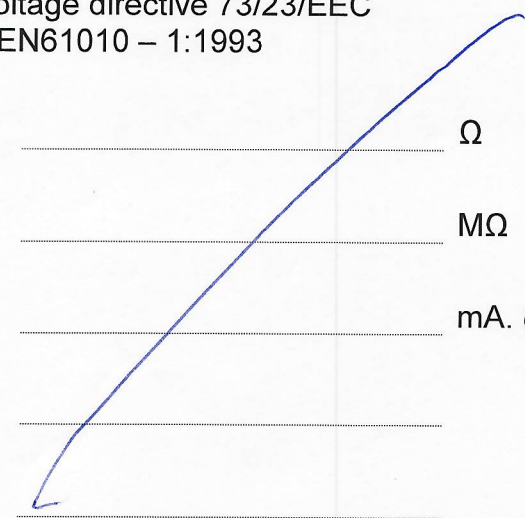
MΩ

Earth Leakage Current

mA. @ _____ kVA.

Tested by:

Date:



7: ASSEMBLY AND TEST RECORD

Client:	Cerba		
Quotation Number:	14642	Date:	18/10/2022
Job Number:	IN1297	Date:	05/12/2022

PRODUCT:

ABCA

SERIAL NUMBER:

20602/2023/1297

ASSEMBLED:

(Name)



Date:

20/1/23

PRE-TEST

INSPECTION:

(Production name)



Date:

20/1/23

PRE-TEST

INSPECTION:

(Test name)



Date:

20/1/23

SYSTEM TEST:

(Name)



Date:

27/2/23

PRE-DESPATCH

INSPECTION:

(Name)



Date:

02/03/23

P.A.T. Test results

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

Earth Continuity

0.074
 Ω

Insulation

>300
 $M\Omega$

Earth Leakage Current

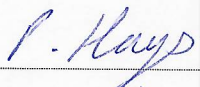
1.15

mA. @

0.05

kVA.

Tested by:



Date:

20/1/23

8 - Serial Numbers Record Document

Client:	Cerba		
Quotation Number:	14642	Date:	18/10/2022
Job Number:	IN1297	Date:	05/12/2022

Units	S/N
MS/ABCA	20602/2023/1297
Integra 2	/
Prep Unit 1	/
Prep Unit 2/Misc	/
Electronics Upgrade	/
CETAC	/
Gas Box	/
Autosampler	VERSA 60101/1-2023/1297
BCR	0910 00 57
Dual Heater Block	/

Pump Kit and Optics	S/N
Turbo pump S	1T2247C013
Turbo pump A	/
Rotary Pump	JP220SV035
Voltage	110 / (240)
Gauge S	L12223+033
Gauge A	/
Source	20101-206
Collector 1	20301-128
Collector 2	/
Magnet	21/12/22 - N9

Parts	S/N
Fan PSU	/
24V PSU	/

PCBs	S/N
Electronics Box	20230006
Prep PCB	/
VFC PCB	/
Watchdog PCB	/
Head Amp PCB 1	22018
Head Amp PCB 2	/
Electromagnet RP	/

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

PC	S/N
PC	3W2DQRB3
Monitor	2PMP8H3
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:

AGILENT