

CONTENTS PAGE

Client:	Institute of Northeast Geography C/O: LabTech, China		
Quotation Number:	18778	Date:	07/03/2025
Job Number:	IN1361	Date:	30/05/2025

- ☒ 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
- ☒ 10 PACKING LIST_S035b_v6
- ☒ 11 INSTALLATION REPORT_S057_v6 *n/a*
- ☒ 12 INSTALLATION ACCEPTANCE AND WARRANTY CERTIFICATE_S071_v3 *n/a*

ADDITIONAL:

Payment Terms:

50% / 50%

Other: please specify

Penalty Clause Yes / No

Please specify:

Blue Book Completion:

Signed	<i>[Signature]</i>	Date	02/09/25
Verified	<i>[Signature]</i>	Date	02/9/25

Quotation

To: LabTech Corporation, Inc
 No.6 Anqing Street, Area B
 Airport Industrial Park
 Shunyi District
 Beijing, 101300
 P. R. China
 VAT No. 91 110 113 799 019 7

Quotation Date: 07/03/2025
Quotation Reference: 18778
Customer Ref:
Account Ref: LAB014
Quotation Validity: 06/06/2025

Quantity	Product Code	Product Description	Unit Price £	Discount £	Net Price £
Proposal for EA IRMS system					
Agent Pricing					
1	20402/4	HS2022 + Hd Collector + E-Mag + Trap Loop Continuous flow isotope ratio mass spectrometer. Including high sensitivity source, electro magnet and HD collector Innovative trapping loop technology included, which allows the source to be tuned and delta values to be calculated without the need for a reference gas. System configured for m/z 28 to 64 for the analysis of H ₂ , CO ₂ , N ₂ , N ₂ O, NO, O ₂ , SO, SO ₂ , CO and CH ₄ (converted to CO ₂). Windows based data system. 70201-1 - Analyser spares kit includes a filament, copper gaskets, source tool kit, pump oil, snoop and ferrules	80,500.000	0.00	80,500.00
1	10202/11	iso-Earth High performance elemental analyser including TCD. Flexible system can be configured for CN or S analysis. Includes autosampler for solids. 70501-3 - Includes sample preparation kit - micro spatula, mirror, forceps, sample tray and syringe 70501-1 - Includes start up consumables kit for C and N combustion Requires Trapping Loop for S	25,900.000	0.00	25,900.00
1	SI2789	Tray 2 - Sercon Autosampler Extra 50 Position Carousel Positions 50 - 98	805.000	0.00	805.00
1	70601-1	Sulphur Start Up Kit Dangerous goods in excepted quantities	550.000	0.00	550.00
1	70601-2	Sulphur Consumables Kit for 1000 Samples Dangerous goods in excepted quantities	380.000	0.00	380.00
1	WARR2	2 year warranty	0.000	0.00	0.00

This quotation is issued in Pound Sterling

Total Net Amount £ 103,135.00

Total VAT Amount £ 0.00

Order Total £ 103,135.00

* The price quoted does not include any local taxes or duties
 See separate document for terms and conditions

Payment Details:-

50% with order, 40% on delivery and 10% installation
 Payment is required within 30 DAYS of invoice date by bank transfer.
 All bank transfer charges are the responsibility of the customer.

Sercon Bank Details:-

National Westminster Bank, 36 High Street,
 Nantwich, Cheshire CW5 5GA U.K.

Sterling: IBAN: GB74NWBK54101736755133
 Euro: IBAN: GB14NWBK60721013806831
 US Dollar: IBAN: GB94NWBK60730113806556
 BIC: NWBKGB2LXXX

PURCHASE ORDER

Purchase Order: 20250500306

Date: May 28, 2025

Page: 1

To: Sercon Limited

Unit 3B Crewe Trade Park, Gateway, Crewe, CW1 6JT U.K.

Tel: +44 (0) 1270 580008 Fax: +44 (0) 1270 252310

Attn: Laura

Bill To: LABTECH HONG KONG LIMITED

No. 6 Anqing Street, Area B, Airport Industrial
Zone, Shunyi District, Beijing 101300 P. R. Ch
ina

Ship To: LABTECH HONG KONG LIMITED

No. 6 Anqing Street, Area B, Airport Industrial
Zone, Shunyi District, Beijing 101300 P. R. Ch
ina

Ship via: Airfreight

Quotation NO.18778

Payment: Net 30

Shipping Mark: 25CERNET/HLD00640HK

HARBIN, CHINA

Shipment Expected: ASAP

Item	PN	Description	Qty.	U/M	Amount(GBP)
1	20402/4	HS2022 + Hd Collector + E-Mag + Trap Loop Continuous flow isotope ratio mass spectrometer. Including high sensitivity source, electro magnet and HD collector Innovative trapping loop technology included, which allows the source to be tuned and delta values to be calculated without the need for a reference gas. System configured for m/z 28 to 64 for the analysis of H2, CO2, N2, N2O, NO, O2, SO, SO2, CO and CH4 (converted to CO2). Windows based data system. 70201-1 - Analyser spares kit includes a filament, copper gaskets, source tool kit, pump oil, snoop and ferrules	1	Ea	80,500.00
2	10202/11	iso-EArth High performance elemental analyser including TCD. Flexible system can be configured for CN or S analysis. Includes autosampler for solids. 70501-3 - Includes sample preparation kit - micro spatula, mirror, forceps, sample tray and syringe 70501-1 - Includes start up consumables kit for C and N combustion Requires Trapping Loop for S	1	Ea	25,900.00

PURCHASE ORDER

3	SI2789	Tray 2 - Sercon Autosampler Extra 50 Position Carousel Positions 50 - 98	1	Ea	805.00
4	70601-1	Sulphur Start Up Kit Without Dangerous goods	1	Ea	550.00
5	70601-2	Sulphur Consumables Kit for 1000 Samples Without Dangerous goods	1	Ea	380.00
6	WARR2	2 year warranty	1	Ea	0.00
Total Value: GBP 103,135.00					

1. Please advise us by fax or email your proposed shipment date before dispatch.

Note: Please confirm transportation before shipment.

For and on behalf of LABTECH HONG KONG LIMITED

Elena Fan

Authorized Signature

3 - MACHINE SPECIFICATION

Client:	Institute of Northeast Geography C/O: LabTech, China		
Quotation Number:	18778	Date:	07/03/2025
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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 HT Furnace Upgrade	
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	

Ref No.	Product Description	Required
S027_v11		
*** When ordered alone IN no. / Blue book NOT required		

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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		
21802/3	GEO 20-22 + E-Mag +Hd		
21802/4	GEO 20-22 Inlet		

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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	
SPECIFICATION REQUIREMENTS		
Voltage	Volts 50/60Hzs	

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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		

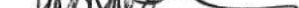


3 - MACHINE SPECIFICATION

Client:	Institute of Northeast Geography C/O: LabTech, China		
Quotation Number:	18778	Date:	07/03/2025
Job Number:	IN1361	Date:	30/05/2025

SPECIAL REQUIREMENTS (DETAILED SPECIFICATION)

[illegible]

Approved by Sales: (Name)		Date: 08/04/25
Approved by Tech.: (Name)		Date: 08/04/25 08/04/25

4 - LOG SHEET

Client:	Institute of Northeast Geography C/O: LabTech, China		
Quotation Number:	18778	Date:	07/03/2025
Job Number:	IN1361	Date:	30/05/2025

Date	Action Taken	By Whom
16/7/25	ISO connected to PC with mass spec. Gases connected, Clamps set. Flows set, autosampler leak tight. Heating furnaces - not heating, 240V (AC) on furnace relays - production looking in.	AD/HIC
17/7/25	Running ref gas specs. CO ₂ ref gas precision and linearity passes. N ₂ ref gas precision and linearity passes Furnaces re-wired, now heating tubes in	AD
18/7/25	Heating furnaces to full temp. Leak checking, weld on reduction furnace line leaking - replaced for now. Pressure testing system - pass System connected to mass spec, flow measured out of pigtail Running blanks - 2.8×10^{-10} Background in e-11's Autosampler slider wrong way around - turned Sampler not moving ball pin adjusted.	AD
21/7/25	Test sample dropped, windows adjusted. Dual C+N run precision running - N pass C failed at 0.16 - running ref gases CO ₂ ref gas ok, N ₂ ref gas ok Autosampler not moving unless 4 nuts are loose, but flow is lost - changed for another Pressure test passes, background ok. Blanks 1.9×10^{-10} Samples running - CO ₂ not passed	AD

Date	Action Taken	By Whom
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4 - LOG SHEET

Client:	Institute of Northeast Geography C/O: LabTech, China		
Quotation Number:	18778	Date:	07/03/2025
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22/7/25	Baking GC out Background with iso shut looks OK Cystine precision passes both N ₂ + CO ₂ Set system up on trapping loop and Swapped GC for Sulphur column	AD
23/7/25	Swapped outer cables on GFS 2 - flow now reading Tuning for Sulphur - green beam not behaving as normal (smaller than blue) but peak shape good. Changed reduction tube for new. Pressure test good with new tube. NO change to green beam, changing water tap for new Re-tuned for SO ₂ found beam, magnet moved, ref gas specs need checking	AD
24/7/25	Ref gas Specs pass. Running Sulphur precision - passes Putting C+N column back in GC to re run precision. Pressure test with GC Swap - pass Bake out GC column for 15 mins to remove background. Blank run C+N precision run left overnight	AD
25/7/25	TCD wired backwards (blue into green on 4 way connector) Swapped around so now peaks are not negative. TCD Switch on prep opposite way - down is mass spec, labels need changing. Running TCD data test. TCD works OK	AD
Date	Action Taken	By Whom

5 - FAULT REPORTING

Client:	Institute of Northeast Geography C/O: LabTech, China		
Quotation Number:	18778	Date:	07/03/2025
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Fault(s)	Action Taken	By Whom	Total Time Taken to Resolve
AD/Hc 15 Jul 25	No loop to add trickle flow Crimp. Build made aware for the future	AD/Hc	
16/7/25	Purge and carrier flow plumbed backwards - drawing wrong. Re-making carrier line as it was crimped	AD/Hc	5 mins
16 Jul 25	Compressed Air line backwards	AD/Hc	5 mins
16/8/25	He and O ₂ MFCs wrong way around - Swapping	AD/Hc	30 mins
16/7/25	GFS2 connection loose and G-FS1 connection wrong way around	OW	10 mins
16/Jul/25	Jumpers in wrong position	AD/Hc	10 mins
16 Jul 25	GC SSR wiring wrong way around Furnaces had 240V powering them Production taking unit back Set up to be a 110v unit, wired correctly	HC/AD/Wm PH	15 mins
17/7/25	Re-wired furnaces completely too much voltage going to relays and also switching the breakers	OW	3 hrs
18/7/25	weld on furnace link leaking replaced for new	HR	10 mins
23/7/25	GFS2 wired wrong way around outer cables swapped position	AD	5 mins
25/7/25	TCD blue and green wires backward, and switch wrong way around - only changed blue and green wires	AD	5 mins

6 - TEST / ACCEPTANCE SPECIFICATION

Customer:	Institute of Northeast Geography C/O: LabTech, China		
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HS20-22				
Reference Gas Precision (n=5) x5 Ref gas pulses of 5 seconds to be used.				
¹³ C	(CO ₂)	0.06	0.05	✓
¹⁵ N		0.06	0.03	✓
¹⁸ O	(CO ₂)	0.06	0.03	✓
³⁴ S	(SO ₂)	0.1		
² H		0.4		

Reference Gas Linearity ref gas pulses ranging from 1-second trough to 10 seconds				
¹³ C	≤0.02‰/nA	STD Deviation <0.30	0.05	✓
¹⁵ N	≤0.02‰/nA	STD Deviation <0.30	0.10	✓

IsoEarth & PyroEarth						
Combustion (n=5) (For NCS use 0.3mg of Cystine) (Pyrolysis use silver caps) 0.4mg of Cystine for ¹⁸ O and 4 mg of Cystine for H ₂						
¹³ C	100 µg C	0.1		10 µg C	0.8	
¹⁵ N	100 µg N	0.15		10 µg N	1.5	
³⁴ S	25 µg S	0.3	0.09	✓	10 µg S	1.0
Dual	400 µg C	0.1	0.10	✓	100 µg N	0.15
					0.06	✓
¹⁸ O	100 µg or 1 µl water	0.3				
² H	200 µg H or 1 µl water	1.0				



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Sercon Ltd, Europa House, Coppicemere Drive,
Crewe, Cheshire CW1 6GZ, UK
Tel: +44 (0)1270 580008
Company Registration No. 4290072 Vat No. 771 1100 74

Test acceptance - 6

6 - TEST / ACCEPTANCE SPECIFICATION

Customer:	Institute of Northeast Geography C/O: LabTech, China		
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EArth

Solid specs to be completed using 2mg methionine calibration against 1,2,3mg (n=3) cystine. Combustion (n=5)

		Accuracy (avg)	Precision (std dev)
¹³ C		+/- 0.4%	0.2
¹⁵ N		+/- 0.4%	0.2
² H		+/- 0.4%	0.2
³⁴ S		+/- 0.4%	0.2
¹⁸ O	Pyrolysis	+/- 0.4%	0.2

Liquid injections n=5 using 5µl methanol calibrated against 2,4,6µl injections of ethanol

		Accuracy (avg)	Precision (std dev)
¹⁸ O	Pyrolysis	+/- 0.4%	0.2

Integra2

Specs to be completed using AS beet mix 400C/100N for precision & 250C/100N for linearity

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	
Dual	100 µg N & 250 µg C	0.5	

HT-EA (Pyrolysis use silver caps)

0.4mg of Cystine for ¹⁸O and 4 mg of Cystine for H₂

Pyrolysis (n=5)

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



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Test acceptance - 6

6 - TEST / ACCEPTANCE SPECIFICATION

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Quotation Number:	18778	Date:	07/03/2025
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Aqua, μ Carbs & GasBox					
Equilibrations (n=5)					
^{18}O	0.2 ml water	0.1			
^2H	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
^2H	0.5 ml H_2	1.5			
^{15}N	0.5 ml N_2	0.1		100 ppm N_2O	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			

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



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Test acceptance - 6

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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					

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)						



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Company Registration No. 4290072 Vat No. 771 1100 74

Test acceptance - 6

6 - TEST / ACCEPTANCE SPECIFICATION

Customer:	Institute of Northeast Geography C/O: LabTech, China		
Quotation Number:	18778	Date:	07/03/2025
Job Number:	IN1361	Date:	30/05/2025

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	

Special tests



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Test acceptance - 6

6 - TEST / ACCEPTANCE SPECIFICATION

Customer:	Institute of Northeast Geography C/O: LabTech, China		
Quotation Number:	18778	Date:	07/03/2025
Job Number:	IN1361	Date:	30/05/2025

Sales Signature: 	Date: 25/7/25
Test Signature: 	Date: 25/7/25

7: ASSEMBLY AND TEST RECORD

Client:	Institute of Northeast Geography C/O: LabTech, China		
Quotation Number:	18778	Date:	07/03/2025
Job Number:	IN1361	Date:	30/05/2025

PRODUCT: ISO-EARTH
10202/11

SERIAL NUMBER: 10202/11-2025/1361

ASSEMBLED: Muy Date: 16/7/25
 (Name)

PRE-TEST INSPECTION: P. Hayes Date: 16/7/25
 (Production name)

PRE-TEST INSPECTION: AS Date: 16/7/25
 (Test name)

SYSTEM TEST: AS Date: 25/7/25
 (Name)

PRE-DESPATCH INSPECTION: [Signature] Date: 31/7/25
 (Name)

P.A.T. Test results

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

Earth Continuity 0.078 Ω

Insulation 162 $M\Omega$

Earth Leakage Current 0.85 mA. @ 0.5 kVA.

Tested by: [Signature]

Date: 20/06/25

7: ASSEMBLY AND TEST RECORD

Client:	Institute of Northeast Geography C/O: LabTech, China		
Quotation Number:	18778	Date:	07/03/2025
Job Number:	IN1361	Date:	30/05/2025

 PRODUCT: HS2022

 SERIAL NUMBER: 20402/4-2025/1361

 ASSEMBLED:
 (Name) STOVS L

 Date: 28/10/24

 PRE-TEST
 INSPECTION:
 (Production name) P. Hayes

 Date: 28/10/24

 PRE-TEST
 INSPECTION:
 (Test name) [Signature]

 Date: 28/10/24

 SYSTEM TEST:
 (Name) [Signature]

 Date: 25/7/25

 PRE-DESPATCH
 INSPECTION:
 (Name) [Signature]

 Date: 31/7/25

P.A.T. Test results

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

 Earth Continuity 0.070 Ω

 Insulation 2300 $M\Omega$

 Earth Leakage Current 0.60 mA. @ 0.05 kVA.

 Tested by: [Signature]

 Date: 28/10/24

8 - Serial Numbers Record Document

Client:	Institute of Northeast Geography C/O: LabTech, China		
Quotation Number:	18778	Date:	07/03/2025
Job Number:	IN1361	Date:	30/05/2025

Units	S/N
MS/ABCA	20402/4 - 2025/1361
Integra 2	
Prep Unit 1	10202/4 - 2025/1361
Prep Unit 2/Misc	
Electronics Upgrade	
CETAC	
Gas Box	
Autosampler	42688
BCR	
Dual Heater Block	

Pump Kit and Optics	S/N
Turbo pump S	240333372
Turbo pump A	240333328
Rotary Pump	240262819
Voltage	110 / (240)
Gauge S	240753490
Gauge A	240342651
Source	2010245-261
Collector 1	20301 - 171
Collector 2	20501 - 079
Magnet	148

Parts	S/N
Fan PSU	
24V PSU	

PCBs	S/N
Electronics Box	20250006
Prep PCB	20230013
VFC PCB	24010
Watchdog PCB	
Head Amp PCB 1	24021
Head Amp PCB 2	25002
Electromagnet RP	VNA/8

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

PC	S/N
PC	2W68T74
Monitor	
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:



Packing List

Customer Reference: 20250500306

Shipper / Exporter:

Sercon Limited
Europa House
Coppicemere Drive
Crewe
CW1 6GZ
UK

Tel: +44 (0)1270 580008
Reference: IN1361

Consignee:

LabTech Corporation Inc
No. 6 Anqing Street, Area B
Airport Industrial Park
Shunyi District
Beijing, 101300
P.R. CHINA

Contact Name: Elena Fan
Contact Tel Number: 0086-10-8048 6450

BOX: 1

Quantity	Product Code	Product Description	Serial Number: if available
☒ 1	20402/4	HS2022	20402/4-2025/1361

Packed by:

Date:

29/07/25

Claims for damage or shortages must be made within 3 days



S035b_v6

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19/01/2017



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LabTech Corporation Inc
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Airport Industrial Park
Shunyi District
Beijing, 101300
P.R. CHINA

Contact Name: Elena Fan
Contact Tel Number: 0086-10-8048 6450

BOX: 2

Quantity	Product Code	Product Description	Serial Number: if available
☒ 1	10202/11	ISO-EARTH	10202/11-2025/1361

Packed by:

Date:

29/04/25

Claims for damage or shortages must be made within 3 days



S035b_v6

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Consignee:

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Shunyi District
Beijing, 101300
P.R. CHINA

Contact Name: Elena Fan
Contact Tel Number: 0086-10-8048 6450

BOX: 3

Quantity	Product Code	Product Description	Serial Number: if available
☒ 1	SI0103	Rotary pump	240262819
☒ 1	SI2737	Autosampler	42688
☒ 1	SI2918	PC	2W68T74
☒ 1	SI2391	Monitor	26FGJ74
☒ 1	SI0685	Electromagnet	148
☒ 1	70201-1	Analyser Spares kit	
☒ 1	70501-3	Sample Preparation kit	
☒ 1	70501-1	Start-up Consumable kit for C and N	
☒ 1	70601-1	Sulphur Start-up kit	
☒ 1	70601-2	Sulphur Consumables kit	
☒ 1		Mains cable bag	
☒ 1		External cables and external pipes bag	
☒ 1	SI2789	Sercon Autosampler Extra 50 position carousel	

Packed by: 

Date: 29/07/25

Claims for damage or shortages must be made within 3 days