sercon
innovators in isotopes

Sercon Ltd, Unit 3B Crewe Trade Park, Gateway
Crewe, Cheshire CW1 6JT, UK
Tel: +44 (0)1270 580008 Fax: +44 (0)1270 252310
Company Registration No. 4290072 Vat No. 771 1100 74

7: ASSEMBLY AND TEST RECORD

Client:	Public Procurement Service (PPS) C/O: Saram International Co Ltd		
Quotation Number:	14465	Date:	08/07/2020
Job Number:	IN1247	Date:	10/11/2020

PRODUCT: TOC THERMALOG SYSTEM

SERIAL NUMBER: 14002/2020/1247

ASSEMBLED: (Name) P. Mayo - I Davis Date: 14/12/20

PRE-TEST INSPECTION: (Production name) P. Mayo. Date: 14/12/20

PRE-TEST INSPECTION: (Test name) Date:

SYSTEM TEST: (Name) Date:

PRE-DESPATCH INSPECTION: (Name) P. Mayo Date: 21/12/20

P.A.T. Test results

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

Earth Continuity 0.061 Ω

Insulation 51.8. MΩ

Earth Leakage Current 1.35. mA. @ 0.07 kVA.

Tested by: P. Mayo

Date: 18/12/20.

IN1247

ate: 17/12/2020
ime: 16:41:52

Sercon Limited

Batch Picking List

Works Order Number	WO01179	**Sales Order No.**	**Quantity**	**DueDate**
BOM Reference	14002			
BOM Description	Thermalox Environmental TOC-Standalone			
Qty Required	1.000			
Qty Outstanding	1.000			
Manuf.Instructions				
Works Order Notes				

Booked IN 21/12/20

Drawings

Reference/Description	Valid From	ValidTo	Revision Number	Date

Required By

Works Order No.	BOM Reference	Quantity

Seq	Product Code	Qty Required	Qty Allocated	Qty Issued	To Issue	Bin Location/UOM
930.0(	72101-1 TOC Start Up Kit	1.000	0.000	0.000	1.000	Each
500.0(	SI2583 DC Axial Fan 24v, 80 x 80 x 25mm, 52.7m³/h	1.000	0.000	0.000	1.000	Each
850.0(	SI2760 Ovens c/w Duplex Thermocouple	2.000	0.000	0.000	2.000	Each
860.0(	SI2764 Peltier Cooler Assy. Standard	1.000	0.000	0.000	1.000	Each
870.0(	SI2769 Sampler accessories TOC	1.000	0.000	0.000	1.000	Each
880.0(	SI2770 Autosampler c/w syringe pump	1.000	0.000	0.000	1.000	Each
890.0(	SI2771 CO2 Detector, Standard sensitivity	1.000	0.000	0.000	1.000	Each
10.00	SI2798 Quartz Tube	2.000	0.000	0.000	2.000	Each
20.00	SI2801 Septum Holder	2.000	0.000	0.000	2.000	Each
30.00	SI2802 Septum Nut	2.000	0.000	0.000	2.000	Each
40.00	SI2803 "O" Ring, White Silicon, size 7/16 x 5/8	2.000	0.000	0.000	2.000	Each
50.00	SI2804 "O" Ring, White Silicon, size 3/4 x 9/16	2.000	0.000	0.000	2.000	Each
60.00	SI2805 "O" Ring, White Silicon, size 7/8 x 11/16	2.000	0.000	0.000	2.000	Each
70.00	SI2806 1/8" to 5/16-24 Stud Coupling O seal	2.000	0.000	0.000	2.000	Each

120.0(	SI2808 AKZ 1.5 Terminals	65.000	0.000	0.000	65.000	Each
130.0(	SI2809 AP End Section	8.000	0.000	0.000	8.000	Each
140.0(	SI2810 EW End-bracket	6.000	0.000	0.000	6.000	Each
150.0(	SI2811 Jumper Bar - 10 way for AKZ terminal pack of 5	5.000	0.000	0.000	5.000	Each
160.0(	SI2812 Miniature DIN Rail; 2m, 15x5mm, symetric, pack 5	0.100	0.000	0.000	0.100	Each
170.0(	SI2813 Diode	1.000	0.000	0.000	1.000	Each
180.0(	SI2814 9-Pin Female Dsub Connector, Metal Body. Solder bucket	1.000	0.000	0.000	1.000	Each
190.0(	SI2815 9-Pin Male Dsub Connector, Metal Body. Solder bucket	1.000	0.000	0.000	1.000	Each
200.0(	SI2816 25-Pin Female Dsub Connector, Metal Body. Solder bucket	1.000	0.000	0.000	1.000	Each
210.0(	SI2817 Sub-miniature 710 series, 3 way Panel plug	1.000	0.000	0.000	1.000	Each
220.0(	SI2818 Sub-miniature 710 series, 3 way Panel skt	1.000	0.000	0.000	1.000	Each
230.0(	SI2819 Screw Lock Assy's (Including nuts & washers) pack 2	3.000	0.000	0.000	3.000	Each
240.0(	SI2820 Mini circular '680' conn: 5-way Panel Skt 09 0316 00 05	2.000	0.000	0.000	2.000	Each
250.0(	SI2821 MUSBD111M0 USB, 2.0 TYPE B, RCPT, TH	1.000	0.000	0.000	1.000	Each
260.0(	SI2835 P-506 Flanged Fitting Blue, Square 1/4-28	8.000	0.000	0.000	8.000	Each
270.0(	SI2836 Requires Tube End Fittings, Blue, Square 1/4-28	8.000	0.000	0.000	8.000	Each
280.0(	SI2837 Requires Tube End Fittings, 2-Way White (Tefzel), 1/4-28	2.000	0.000	0.000	2.000	Each
290.0(	SI2838 Flangeless Ferrule ETFE, 1.8-2.0mm, green (pack 10)	0.200	0.000	0.000	0.200	Each
300.0(	SI2839 Upchurch Flangeless Ferrule ETFE, 1/8", yellow (pack 10)	0.200	0.000	0.000	0.200	Each
310.0(	SI2840 Flangeless Nut, ETFE, short 1/8"x14-28	6.000	0.000	0.000	6.000	Each
320.0(	SI2841 FEP Tube 1.6 mm ID x 3.175 mm OD per metre	2.000	0.000	0.000	2.000	Each

330.0(	SI2842 FEP Tube 1.0 mm ID x2.0 mm OD per metre	10.000	0.000	0.000	10.000	Each
340.0(	SI2843 Female Connector, 1/8 in. Tube OD x 1/8 in. Female ISO Tape	1.000	0.000	0.000	1.000	Each
350.0(	SI2844 Pressure Gauge 50mm panel, 0-4.0 Barg, SS, 1/8 NPT, Rear I	1.000	0.000	0.000	1.000	Each
360.0(	SI2845 Dwyer Flowmeter, 0-300 ml/min	1.000	0.000	0.000	1.000	Each
370.0(	SI2846 1/8th Bulkhead Union, stainless steel	2.000	0.000	0.000	2.000	Each
380.0(	SI2847 1/8" TEE, stainless steel	1.000	0.000	0.000	1.000	Each
390.0(	SI2848 Male Connector, 1/8 in. Tube OD x 1/8 in. Male NPT	4.000	0.000	0.000	4.000	Each
400.0(	SI2849 1/16" to 1/8" tube reducer, stainless steel	2.000	0.000	0.000	2.000	Each
410.0(	SI2850 Parker Balston Filter	0.100	0.000	0.000	0.100	Each
420.0(	SI2851 SS Poppet Check Valve, Fixed Pressure, 1/8th 1/3rd psi degre	1.000	0.000	0.000	1.000	Each
430.0(	SI2853 Pressure Regulator, 0-2Bar, Panel Mtg, 1/8" NPT ports, non-r	1.000	0.000	0.000	1.000	Each
510.0(	SI2855 MircoFlo, VUS, +12V, A-PCB, ($694)	1.000	0.000	0.000	1.000	Each
80.00	SI2859 Stainless Steel Swagelok Tube Fitting, Male O-	2.000	0.000	0.000	2.000	Each
790.0(	SI2861 USB Cable, Type A Plug to Type B Plug, 1.8 m, 5.9 ft, USB	1.000	0.000	0.000	1.000	Each
800.0(	SI2862 Mains Power Cord, With Fuse, Mains Plug, UK to IEC 60320 C	1.000	0.000	0.000	1.000	Each
520.0(	SI2863 PID controller with universal Inputs for temperature	2.000	0.000	0.000	2.000	Each
530.0(	SI2865 Power Cord, Compact Fans with 0.5mm pins, 230 VAC, Straig	1.000	0.000	0.000	1.000	Each
540.0(	SI2866 WEIDMULLER KS 6 O.D6 6-WAY TERMINAL BLOCK	1.000	0.000	0.000	1.000	Each
550.0(	SI2867 WEIDMULLER D6 KS6 TP TERMINAL STRIP	1.000	0.000	0.000	1.000	Each
560.0(	SI2868 Burkert Solenoid Valve 137779, 3 port , Common, 24 V dc, 1/8	5.000	0.000	0.000	5.000	Each
570.0(	SI2869 LabJack U12-PH - OEM LabJack U12	1.000	0.000	0.000	1.000	Each

90.00	SI2870 Injection Port, Monel 400	2.000	0.000	0.000	2.000	Each
580.0(	SI2871 Southco C3-805-RS Ball Catch	1.000	0.000	0.000	1.000	Each
590.0(	SI2872 Pinet Zinc Plated Steel Concealed Hinge, 44mm x 32mm x 2m	2.000	0.000	0.000	2.000	Each
600.0(	SI2873 Axial Fan, 3610KL Series, 24 V, DC, 92 mm	1.000	0.000	0.000	1.000	Each
610.0(	SI2874 Axial Fan, IP20, 230 V, AC, 119 mm, 25 mm	1.000	0.000	0.000	1.000	Each
620.0(	SI2875 Bumper / Feet, Levelling, Free Standing, M8, Pack 4,	1.000	0.000	0.000	1.000	Each
630.0(	SI2876 Enclosed Power Supply (PSU), ITE, 1 Outputs, 70 W, 12 V, 6	1.000	0.000	0.000	1.000	Each
640.0(	SI2877 Fan Finger Guard, Grille Axial Fans, 120 mm	1.000	0.000	0.000	1.000	Each
650.0(	SI2880 Fan Guard, 92mm	1.000	0.000	0.000	1.000	Each
660.0(	SI2881 LED Green, 8mm	1.000	0.000	0.000	1.000	Each
670.0(	SI2882 Resistor, 390 ohm, MF25 Series, 250 mW	1.000	0.000	0.000	1.000	Each
680.0(	SI2883 Thermal Circuit Breaker, 1410 Series, 5 A, 1 Pole, 48 VDC	2.000	0.000	0.000	2.000	Each
690.0(	SI2884 D Sub Connector, DB9, Standard, Plug	1.000	0.000	0.000	1.000	Each
700.0(	SI2885 D Sub Backshell, MHDCMR Series	1.000	0.000	0.000	1.000	Each
710.0(	SI2886 D Sub Connector, Standard, Plug, 25 WAY	1.000	0.000	0.000	1.000	Each
720.0(	SI2887 D Sub Backshell, MHDCMR Series,	1.000	0.000	0.000	1.000	Each
100.0(	SI2888 Seal Cap SS303	2.000	0.000	0.000	2.000	Each
730.0(	SI2889 SSRL240DC25	2.000	0.000	0.000	2.000	Each
110.0(	SI2892 TC Outlet Fittings	2.000	0.000	0.000	2.000	Each
740.0(	SI2893 GL25 x 100 x 1.8 Screwthread Tubes pk10	2.000	0.000	0.000	2.000	Each
750.0(	SI2894 GL25 Screwcaps with 15mm apertures	2.000	0.000	0.000	2.000	Each

760.0(	SI2895 GL25 End Fittings	1.000	0.000	0.000	1.000	Each
810.0(	SI2896 Bottles, GL45, 500ml, Pack of 10 + GL45 Cap	0.200	0.000	0.000	0.200	Each
820.0(	SI2897 Bottles, GL45, 100ml,+ GL45 Cap	0.100	0.000	0.000	0.100	Each
830.0(	SI2898 500ml Square Glass Reagent Bottle + GL45 Cap	1.000	0.000	0.000	1.000	Each
840.0(	SI2899 Bottle caps, GL45, blue PK10	2.000	0.000	0.000	2.000	Each
440.0(	SI2900 TOC Metalwork	1.000	0.000	0.000	1.000	Each
450.0(	SI2901 3mm x 18mm Slotted Spring Pins (ISO 8752) - A1 Stainless Si	12.000	0.000	0.000	12.000	Each
460.0(	SI2902 Dzus® Lion Quarter-Turn Receptacle pk10	0.100	0.000	0.000	0.100	Each
470.0(	SI2903 Dzus® Lion Quarter-Turn Stud, Phillips, Flush pk10	0.100	0.000	0.000	0.100	Each
480.0(	SI2904 Dzus® Lion Quarter-Turn Accessory pk10	0.100	0.000	0.000	0.100	Each
490.0(	SI2905 Dzus® Lion Quarter-Turn Retainer	1.000	0.000	0.000	1.000	Each
920.0(	SI2906 OptiPlex 3080 Micro BTX	1.000	0.000	0.000	1.000	Each
900.0(	SI2907 DELL 22 MONITOR E2220H	1.000	0.000	0.000	1.000	Each
910.0(	SI2908 7 PORT USB 3.0 HUB	1.000	0.000	0.000	1.000	Each
770.0(	SI2909 Pluggable Terminal Block, 3.5 mm, 2 Ways	10.000	0.000	0.000	10.000	Each
780.0(	SI2910 2 Way, Ceramic Non-Fused Terminal Block	3.000	0.000	0.000	3.000	Each
790.0(	SI2911 Female Branch Tee 1/8 x 1/8 x 1/8 NPT	1.000	0.000	0.000	1.000	Each

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8 - Serial Numbers Record Document

Client:	Public Procurement Service (PPS) C/O: Saram International Co Ltd		
Quotation Number:	14465	Date:	08/07/2020
Job Number:	IN1247	Date:	10/11/2020

Units	S/N
MS/ABCA	
Integra 2	
Prep Unit 1	
Prep Unit 2/Misc	
Electronics Upgrade	
CETAC	
Gas Box	
Autosampler	
BCR	
Dual Heater Block	

Pump Kit and Optics	S/N
Turbo pump S	
Turbo pump A	
Rotary Pump	
Voltage	110 / 240
Gauge S	
Gauge A	
Source	
Collector 1	
Collector 2	
Magnet	

Parts	S/N
Fan PSU	
24V PSU	

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

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

PC	S/N
PC	3SLIRT2
Monitor	FKN8W63
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:

CO2 DETECTOR - 0400741 - HIGH SENSITIVITY
TOC UNIT - 14002-2020/1247
AUTOSAMPLER - Model 8100 / Serial No 0414:

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Quotation Number:	14465	Date:	08/07/2020
Job Number:	IN1247	Date:	10/11/2020

Units	S/N
MS/ABCA	
Integra 2	
Prep Unit 1	
Prep Unit 2/Misc	
Electronics Upgrade	
CETAC	
Gas Box	
Autosampler	
BCR	
Dual Heater Block	

Pump Kit and Optics	S/N
Turbo pump S	
Turbo pump A	
Rotary Pump	
Voltage	110 / 240
Gauge S	
Gauge A	
Source	
Collector 1	
Collector 2	
Magnet	

Parts	S/N
Fan PSU	
24V PSU	

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

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

PC	S/N
PC	
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:

sercon
innovators in isotopes

Packing List

Customer Reference: M03BH010GS01593

Shipper / Exporter:

Sercon Limited
Unit 3B Crewe Trade park
Gateway
Crewe
CW1 6JT
UK

Tel: +44 (0)1270 580008
Reference: IN1247

Consignee:

Public Procurement Service
The Republic of Korea (Hereinafter referred to as PPS) 189 Cheongsa-Ro, SEO-GU, Daejeon, Korea

Contact Name:
Contact Tel Number:

BOX: 1

Quantity	Product Code	Product Description	Serial Number: *if available*
☑ 1	14002	Thermalox Environmental TOC-Standalone with Autosampler	14002-2020/1247
☑ 1	SI2771	CO2 Detector, high sensitivity	0400741
☑ 1		Windows recovery flash drive	
☑ 1		Software back up drive	
☑ 1		External Tubing	
☑ 1		Glass Water Bottle	
☑ 2		USB Cable	
☑ 1		PSU for CO2 Detector	
☑ 1		9-Way to 9-Way cable (TOC – Detector)	
☑ 4		Euro Mains Leads	
☑ 1		PC	
☑ 1		Monitor	
☑ 1		Multi Way USB	
☑ 1		PC bracket	
☑ 1		Needle	
☑ 1		Duel USB cable	
☑ 1	72101-1	TOC Start up kit	

Packed by: P. Hayes
Date: 21/12/20

Claims for damage or shortages must be made within 3 days

Sercon Limited
Unit 3B Crewe Trade Park
Gateway, Crewe
CW1 6JT U.K.
Company Registration No.: 4290072

Phone: +44 (0) 1270 580008
Fax: +44 (0) 1270 252310
sales@sercongroup.com
www.sercongroup.com
VAT No.: 771 1100 74

Packing List

Customer Reference: M03BH010GS01593

Shipper / Exporter:

Sercon Limited
Unit 3B Crewe Trade park
Gateway
Crewe
CW1 6JT
UK

Tel: +44 (0)1270 580008
Reference: IN1247

Consignee:

Public Procurement Service
The Republic of Korea (Hereinafter referred to as PPS) 189 Cheongsa-Ro, SEO-GU, Daejeon, Korea

Contact Name:
Contact Tel Number:

BOX: Dimensions and weights

	L		W		H			
Box 1	99	x	85	x	108	cm	gw 87	kg
Box 2		x		x		cm	gw	kg
Box 3		x		x		cm	gw	kg

Sercon Limited
Unit 3B Crewe Trade Park
Gateway, Crewe
CW1 6JT U.K.
Company Registration No.: 4290072

Phone: +44 (0) 1270 580008
Fax: +44 (0) 1270 252310
sales@sercongroup.com
www.sercongroup.com
VAT No.: 771 1100 74
19/01/2017

Date 30/11/2020
Time 15:16:36

Sercon Limited

Picking List JW

IN1247 - Saram

W/O Number WO01167
BOM Reference 72101-4
TOC only - economy holding

Required	Part No.	Description
3.0	SC2610	Quartz Reactor Tube - 18mm ASL
3.0	~~SC2611~~ SI2892	Tube End-fitting ASL ✓
4.0	SC2612	Scrubber refill wool (pack of 6gms) Deeming Direct. ✓
3.0	SC2613	Scrubber frits 15mm OD - 100 micron (pack of 2) Kinesis ✓
1.0	SC2619	Glass beads TIC reaction & Quartz wool (1 fill - 15gms) Merck ✓
6.0	SC2614	Autosampler needles - plain (pack of 2) Trojan ✓
6.0	SC2616	Septa (pack of 5) - TIC/TN 11mm Trojan ✓
1.0	SC2620	Platinum Mesh (pack of 2, 10mm x 10mm) for TC HT Reactor Merck ✓
6.0	SC2621	Low level Catalyst rods (2 fills - 5gms) Pickmere ✓
12.0	SC2638	Reactor 'O' Ring Set (all silicone) ~~ASL~~ Stock. ✓
1.0	SC2622	Tube assembly, needle holder to dilutor ASL ✓

All items picked and packed as marked:

Date 12/3/21 Signed _____

Stock: Allocated
Issued
Order: Completed

Date __/__/__ Signed _____

규 격 서

제안자: ㈜ 사람인터내셔널
공고번호: 20200917755 - 00

A. End-user's Use

1. Analyzing the pollution of water quality for managing water system and seawater.
2. Used as basic data for monitoring the pollution of water quality.
3. Continuously analyzing the water quality at various points set in the water system.

B. System configurations

[주장비]

1. TOC system and auto sampler with sonicator for automatic sample homogenization 1 set
2. Data processing unit 1 set

[부속장비]

3. Accessories

C. Specifications

1. TOC system

1) Measurement method : thermal catalytic oxidation at up to 1,000ºC to measure 'real' samples containing particulate or difficult to oxidise materials
2) Operation method : PC - controlled
3) Measuring Items : TC, TIC, TOC, NPOC, POC
4) Precision : Coefficients of variation typically < 2 % of full scale for calibrated ranges with homogenous samples
5) Appliable sample : liquid sample
6) Injection volume : 3 to 350 µl by automatic flow injection system
7) Cycle time : Typically 120 – 180 seconds
   Analysis time less than two minutes per replicate
8) Measuring range : various from 0 to 200 µg/ l up to 50,000 mg/l C for TC, TIC, NPOC, POC
9) Automatic addition of acid and sparging
10) Handles salts and particulate easily
11) Catalyst : Pt catalyst. No catalyst change. Smaller injection and short measurement time owing to the longer lifetime of catalyst.
12) Detection method : TC, TIC, NPOC : NDIR
13) Complete washing between samples ensures no carry over
14) Gas Flow monitoring system : Inlet, Outlet, PC (digital) monitoring system
15) Automatic gas shut down
16) Automatic preparation of calibration standards
17) Automatic dilution of high concentration samples in under five seconds
18) Instrument control : Totally software driven from a WindowsTM based platform
    - Automatic leak test
    - Extensive error diagnosis
    - Monitoring of the maintenance cycles

- Eco function
- Statistical evaluation
- Support LIMS, remote control and diagnosis via the internet
- In full compliance with 21 CFR Part 11

19) Safety standards

BS and DIN EN 1484 of 1997; ISO 8245,AOAC973.47, Standard Methods 5310B, Environmental Protection Agency (EPA) Methods 415.1, EPA

SW-846 Method 9060A,ASTM D2579 85.TN according to DIN38409 part 27,ENV 122 60 and ISO/TR11905-2 CE-label, IEC 1010, EMV low voltage directives

2. Autosampler with sonicator for automatic sample homogenization

1) Operation method : Computer control system
2) Vials : 88 positions
3) Can reduce particles to sub micron diameters
4) Purging and analyzing
5) Sample homogenization with sonicator
6) Fast homogenization of samples
7) Reproducible aliquots every time
8) Avoids settling out, ideal preparation for particulate laden samples
9) Mixes, degasses and improves solubility

3. Data processing unit : software + desk top PC + laser printer

4. Accessories

1) Combustion tube	6	ea
2) Quartz wool	2	pk
3) Quartz chips	6	set
4) Pt catalyst	5	pk
5) Ash crucible	4	ea
6) Drying agent	1	pk
7) Halogen absorber	1	pk
8) GR HCl, H3PO4	2	set
9) Sample rack for 88 positions	1	ea
10) Sample vials with septa, 100 ea	1	pk
11) Stirring magnets	100	ea
12) TOC/TIC Standards	2	pk
13) O2 regulator	1	ea
14) O2 gas with cylinder	1	set
15) O2 gas cabinet and line installation	1	set
16) Ultrasonic homogenizer	1	set

D. Remark

1. Two years warranty service after the performance test
2. Shipment : Within three(3) months after L/C

Principal's Name and Address

SERCON LIMITED
CREWE TRADE PARK GATEWAY UNIT 3B
CREWE CW1 6JT
UNITED KINGDOM

Principal's Account Number

Not Negotiable "Forwarders"

House Air Waybill
(Air consignment note)
Issued by

Copies 1, 2 and 3 of this House Air Waybill are originals and have the same validity

Consignee's Name and Address

SARAM INTERNATIONAL CO LTD
B1019, F10, 167
SONGPA-DAERO, SONGPA-GU
05854 SOEUL
SOUTH-KOREA

Consignee's Account Number

It is agreed that the goods described herein are accepted in apparent good order and condition (except as noted) for carriage. SUBJECT TO THE CONDITIONS OF CONTRACT ON THE REVERSE HEREOF. ALL GOODS MAY BE CARRIED BY ANY OTHER MEANS INCLUDING ROAD OR ANY OTHER CARRIER UNLESS SPECIFIC CONTRARY INSTRUCTIONS ARE GIVEN HEREON BY THE SHIPPER, AND SHIPPER AGREES THAT THE SHIPMENT MAY BE CARRIED VIA INTERMEDIATE STOPPING PLACES WHICH THE CARRIER DEEMS APPROPRIATE. THE SHIPPER'S ATTENTION IS DRAWN TO THE NOTICE CONCERNING CARRIER'S LIMITATION OF LIABILITY. Shipper may increase such limitation of liability by declaring a higher value for carriage and paying a supplemental charge if required.

Issuing Forwarder's Name and City

Rhenus Logistics Limited
Liverpool Road
M30 7RF Manchester

Accounting Information

SHIPPER REF:15177

Forwarder's IATA Code: 91-4-7408/0003

Account No.

Airport of Departure (Addr. of First Carrier) and Requested Routing: MANCHESTER SCHIPHOL

To	By First Carrier (Routing and Destination)	To	By	To	By	Currency	CHGS Code	WT/VALL PPD	WT/VALL COLL	Other PPD	Other COLL	Declared Value for Carriage	Declared Value for Customs
AMS	KLM - ROYAL DUTCH	ICN	KL			GBP		X		X		NVD	NCV

Airport of Destination	Flight/Date (For Agent's Use only)	Flight/Date	Amount of Insurance	INSURANCE - If Forwarder offers insurance, and such an insurance is requested in accordance with conditions on reverse hereof, indicate amount to be insured in figures in box marked 'Amount of Insurance'.
INCHEON	KL 9700/23	KL 855/24	XXX	

Handling Information

1 PALLET ADDRESSED/ DOCUMENTS ATTACHED
NOT RESTRICTED
INCOTERMS:DAP

STATUS : X

No. of Pieces RCP	Gross Weight	kg/lb	Rate Class / Commodity Items No.	Chargeable Weight	Rate / Charge	Total	Nature and Quantity of Goods (incl. Dimensions or Volume)
1	56.0	K	Q	122.0	3.14	383.08	SCIENTIFIC EQUIPMENT
							//
							// DELIVERY AT PLACE //
							//
							CONSIGNEE CTC:JUNE YOO/ MJ KIM
							TEL:+82-2-3402-0518
							(1) 99x89x83 CMS
							ECS
1	56.0					383.08	

Prepaid: 383.08

Weight Charge

Collect

Valuation Charge

Tax

Other Charges

Total Other Charges Due Agent

Total Other Charges Due Carrier

Shipper certifies that the particulars on the face hereof are correct and that insofar as any part of the consignment contains dangerous goods, such part is properly described by name and is in proper condition for carriage by air according to the applicable Dangerous Goods Regulations.

Rhenus Logistics Limite AS AGENT FOR SHIPPER
Timi Adeleye 01/01/01/0111006

Signature of Principal or his Agent

Total Prepaid: 383.08

Total Collect

Currency Conversion Rates

CC Charges in Dest. Currency

Rhenus Logistics Limite AS AGENT FOR CARRIER
KLM - ROYAL DUTCH AIRLINES
18-Mar-2021 MANCHESTER

Executed on (date) at (place) Signature of Forwarder.

For Freight Forwarder Use only at Destination

Charges at Destination

Total Collect Charges

NatWest

TELEPHONE : 0161 931 9390
S.W.I.F.T. : NWBKGB2L

MANCHESTER TRADE SERVICES
PO BOX 359,8TH FLOOR
1 HARDMAN BOULEVARD
MANCHESTER M3 3AQ

SERCON LTD
UNIT 3B CREWE TRADE PARK
GATEWAY
CREWE CW1 6JT

19 JANUARY, 2021

DEAR SIRS,

YOUR REFERENCE: IN1247
IRREVOCABLE DOCUMENTARY CREDIT NO. M03BH010GS01593
ISSUED BY: NONGHYUP BANK
APPLICANT: PUBLIC PROCUREMENT SERVICE. THE
DOCUMENTS VALUE: USD 42,500.00
DRAWING SEQUENCE NO. 001
OUR REFERENCE: TFPMCE229846

WE REFER TO THE DOCUMENTS PRESENTED UNDER THE ABOVE MENTIONED DOCUMENTARY CREDIT. IN ACCORDANCE WITH YOUR INSTRUCTIONS THE DOCUMENTS HAVE BEEN FORWARDED TO THE ISSUING BANK UNDER THE PROTECTION OF THE CREDIT.

WE WISH TO REMIND YOU OF THE NEED TO SEE THAT THE GOODS ARE INSURED, IF APPLICABLE.

WE DO RECOMMEND THAT YOU REQUEST THE BUYER TO CONTACT THEIR BANK IN ORDER TO AUTHORISE APPROVAL.

IF YOU REQUIRE US TO CHASE THE ISSUING BANK ON YOUR BEHALF, PLEASE CONTACT US ON THE ABOVE NUMBER AND WE WILL ARRANGE THIS FOR YOU.

*** THIS LETTER DOES NOT REQUIRE A SIGNATURE ***

EC

National Westminster Bank Plc, Registered in England No 929027. Registered Office: 250 Bishopsgate, London EC2M 4AA
Authorised by the Prudential Regulation Authority and regulated by the Financial Conduct Authority and the Prudential Regulation Authority.

NatWest

TELEPHONE : 0161 931 9390
S.W.I.F.T. : NWBKGB2L

MANCHESTER TRADE SERVICES
PO BOX 359,8TH FLOOR
1 HARDMAN BOULEVARD
MANCHESTER M3 3AQ

30 OCTOBER, 2020

SERCON LTD
UNIT 3B CREWE TRADE PARK
GATEWAY
CREWE CW1 6JT

DEAR SIRS,

OUR REFERENCE: TFPMCE229846
IRREVOCABLE DOCUMENTARY CREDIT NO : M03BH010GS01593
ISSUED BY: NONGHYUP BANK
APPLICANT: PUBLIC PROCUREMENT SERVICE. THE REPUBLIC OF KOREA(HEREINAFTER REFERRED TO AS PPS)
VALUE: USD 42,500.00

IN ACCORDANCE WITH INSTRUCTIONS RECEIVED BY AUTHENTICATED SWIFT MT700 DATED 270OT20 WE ADVISE YOU THAT THE ABOVE MENTIONED LETTER OF CREDIT HAS BEEN ISSUED IN YOUR FAVOUR, DETAILS OF WHICH ARE ATTACHED:

THIS LETTER DOES NOT CONSTITUTE THE OPERATIVE INSTRUMENT UNLESS IT BEARS AN ORIGINAL SIGNATURE OF NATIONAL WESTMINSTER BANK PLC.

WE RECOMMEND YOU CHECK THE TERMS AND CONDITIONS IMMEDIATELY AND SUGGEST YOU CONTACT THE APPLICANT DIRECTLY TO ARRANGE FOR ANY AMENDMENTS THAT ARE REQUIRED

PLEASE NOTE ALL DOCUMENTS SHOULD BE IN ENGLISH. IF YOU PRESENT SOME DOCUMENTS IN A DIFFERENT LANGUAGE OR THE CREDIT STIPULATES CERTAIN DOCUMENTS SHOULD BE IN A DIFFERENT LANGUAGE, CAN YOU PLEASE INCLUDE A TRANSLATION TO ENABLE US TO COMPLETE OUR DUE DILIGENCE PROCEDURES.

THIS CREDIT IS PAYABLE ONLY AFTER RECEIPT OF DOCUMENTS BY THE ISSUING BANK. ACCORDINGLY DOCUMENTS PRESENTED TO US BY YOURSELVES WILL BE CHECKED AND FORWARDED TO THEM FOR SETTLEMENT UNDER THE PROTECTION OF THE DOCUMENTARY CREDIT WITHOUT ENGAGEMENT OR RESPONSIBILITY ON OUR PART. PAYMENT WILL BE EFFECTED UPON RECEIPT OF CLEARED FUNDS AFTER ANY DELAY PERIOD SPECIFIED THEREIN.

OUR CHARGE FOR ADVISING THIS CREDIT IS GBP 75.00 PLEASE REMIT THE ABOVE AMOUNT TO US. IF STILL OUTSTANDING AT THE TIME DOCUMENTS ARE PRESENTED WE SHALL DEDUCT FROM PROCEEDS.

OUR CHECKING/PAYING COMMISSION WILL BE CALCULATED AT 0.15 PER

****CONTINUED ON NEXT PAGE****

National Westminster Bank Plc, Registered in England No 929027. Registered Office: 250 Bishopsgate, London EC2M 4AA
Authorised by the Prudential Regulation Authority and regulated by the Financial Conduct Authority and the Prudential Regulation Authority.

CENT PER PRESENTATION MINIMUM GBP60.00

IN THE EVENT OF DOCUMENTS BEING PRESENTED TO US WITH DISCREPANCIES, IN ADDITION TO ANY COSTS INCURRED, WE MAY CHARGE YOU FOR ANY RESULTANT EXTRA WORK ON OUR PART, MINIMUM CHARGE GBP60.00 IN RESPECT OF EACH PRESENTATION

ANCILLARY CHARGES SUCH AS REIMBURSEMENT BANK CHARGES, AGENTS CHARGES, SWIFTS, TELEXES, POSTAGES AND OTHER INCIDENTAL EXPENSES WILL ACCRUE AND MAY BE PAYABLE BY YOU AS AND WHERE APPROPRIATE.

KINDLY NOTE THAT IF ANY PAYMENT UNDER THIS LETTER OF CREDIT IS REQUESTED TO AN ACCOUNT WITH ANOTHER BANK, SETTLEMENT WILL BE MADE BY CHAPS (FOR STERLING PAYMENTS) AND URGENT TRANSFER (FOR CURRENCY PAYMENTS) FOR WHICH A TRANSMISSION CHARGE OF GBP 15.00 OR CURRENCY EQUIVALENT, WILL BE LEVIED.

WHEN PRESENTING DOCUMENTS PLEASE ENCLOSE THE DOCUMENTARY CREDIT AND ALL AMENDMENTS TOGETHER WITH AN ADDITIONAL COPY OF THE INVOICE. FOR YOUR CONVENIENCE WE ATTACH A FORM FOR RETURN TO US WITH YOUR DOCUMENTATION. PLEASE PROVIDE THE INFORMATION REQUESTED WHICH WILL ENABLE US TO EFFICIENTLY PROCESS YOUR DOCUMENTS AND PAYMENT.

KINDLY QUOTE OUR ABOVE REFERENCE NUMBER IN ANY CORRESPONDENCE AND SHOULD YOU HAVE ANY QUERIES PLEASE CONTACT OUR DOCUMENTARY LETTERS OF CREDIT CENTRE CUSTOMER SERVICE TEAM ON 0161 931 9390.

NATIONAL WESTMINSTER BANK PLC (THE BANK) UNDERTAKES NO OBLIGATION TO MAKE ANY PAYMENT UNDER, OR OTHERWISE TO IMPLEMENT OR PROCESS THE INSTRUMENT IF IN THE REASONABLE OPINION OF THE BANK (I) IN ANY TRANSACTION CONNECTED TO OR CONTEMPLATED BY THE INSTRUMENT THERE IS ANY INVOLVEMENT BY OR CONNECTION WITH ANY PERSON, ENTITY, VESSEL, GOODS, SERVICES, COUNTRY OR GOVERNMENT WHICH IS SUBJECT TO ANY RESTRICTIONS IMPOSED BY SANCTIONS LAWS OR REGULATIONS ISSUED BY THE UNITED STATES OF AMERICA, EUROPEAN UNION, UNITED NATIONS, UNITED KINGDOM OR (II) TO DO SO IS LIKELY TO RESULT IN BREACH OF APPLICABLE SANCTIONS LAWS OR REGULATIONS. NEITHER THE INSTRUMENT NOR ITS PROCEEDS CAN BE TRANSFERRED, ASSIGNED, NOVATED OR ENCUMBERED WHERE TO DO SO WOULD RESULT IN THERE BEING AN INVOLVEMENT OR CONNECTION REFERRED TO IN PARAGRAPH (I) ABOVE OR IN A BREACH OF APPLICABLE SANCTIONS LAWS OR REGULATIONS. THIS CLAUSE APPLIES IRRESPECTIVE OF WHETHER ANY RULES OR OTHER TERMS INCORPORATED INTO THE INSTRUMENT BY REFERENCE OR PRACTICE MAY PROVIDE OTHERWISE.

THE INSTRUMENT MEANS, WHERE THE CONTEXT SO REQUIRES, THE INSTRUMENT:
(I) IN WHICH THIS CLAUSE APPEARS, OR
(II) TO WHICH THIS ADVICE OR CONFIRMATION RELATES, OR
(III) TO WHICH THIS TRANSFER, ASSIGNMENT OR NOVATION RELATES.

****CONTINUED ON NEXT PAGE****

National Westminster Bank Plc, Registered in England No 929027. Registered Office: 250 Bishopsgate, London EC2M 4AA
Authorised by the Prudential Regulation Authority and regulated by the Financial Conduct Authority and the Prudential Regulation Authority.

MANCHESTER TRADE SERVICES

YOURS FAITHFULLY



AUTHORISED SIGNATORY

National Westminster Bank Plc, Registered in England No 929027. Registered Office: 250 Bishopsgate, London EC2M 4AA
Authorised by the Prudential Regulation Authority and regulated by the Financial Conduct Authority and the Prudential Regulation Authority.

NatWest

PLEASE COMPLETE AND RETURN THIS FORM WITH YOUR DOCUMENTS TO:

MANCHESTER TRADE SERVICES,
PO BOX 359, 7TH FLOOR, 1 HARDMAN BOULEVARD, MANCHESTER M3 3AQ

NATWEST/RBS REF: TFPMCE229846 CUSTOMER REF:_____

CLAIM AMOUNT FOR THIS PRESENTATION: _____

WE ENCLOSE THE DOCUMENTS, TOGETHER WITH THE ORIGINAL LETTER OF CREDIT (AND ALL THE AMENDMENTS).

KINDLY ACT UPON OUR INSTRUCTIONS AS INDICATED BELOW:

( ) PLEASE DO NOT CHECK THE DOCUMENTS, BUT FORWARD THEM TO THE ISSUING BANK FOR THE BUYER'S ACCEPTANCE

OR

( ) PLEASE CHECK THE DOCUMENTS, AND IF THEY CONTAIN DISCREPANCIES PLEASE REFER TO US FOR FURTHER INSTRUCTIONS BY

CONTACTING: _____

BY EMAIL AT: _____

OR FAX ON: _____

PAYMENT DETAILS

UPON SETTLEMENT PLEASE CREDIT OUR ACCOUNT AS FOLLOWS:

BANK NAME _____ SORT CODE _____

STERLING A/C NO: _____ OR CURRENCY A/C NO. _____

CURRENCY FUNDS WHICH NEED CONVERSION TO STERLING TO BE:
( ) CONVERTED AT SPOT EXCHANGE RATE RULING ON DAY OF PAYMENT
( ) CONVERTED USING FORWARD CONTRACT NO: _____

NAME _____ TEL NO: _____

SIGNED _____

FOR AND ON BEHALF OF _____
(COMPANY NAME)

NB. IN THE EVENT OF PARTIAL SHIPMENTS, PLEASE PHOTOCOPY THIS FORM TO PRESENT WITH EACH DRAWING

NWB10592 (14/12/18)

National Westminster Bank Plc, Registered in England No 929027. Registered Office: 250 Bishopsgate, London EC2M 4AA
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NatWest

{1:F01NWBKGB2LCXXX8012273740}
{2:O7001628201030NACFKRSEAXXX75460277862010300728N}
{3:{108:20201027M0000161}}
****
FROM:
NONGHYUP BANK
IMPORT DEPARTMENT NONGHYUP
SINCHON COMPLES B/D 6 49-31
NOGOSAN-DONG, MAPO-GU SEOUL
****
{4:
** 27 SEQUENCE OF TOTAL
:27:1/1
** 40 FORM OF DOCUMENTARY CREDIT
:40A:IRREVOCABLE
** 20 DOCUMENTARY CREDIT NUMBER
:20:M03BH010GS01593
** 31C DATE OF ISSUE
:31C:201027
** 40E APPLICABLE RULES
:40E:UCP LATEST VERSION
** 31D DATE AND PLACE OF EXPIRY
:31D:210225AT NEGOTIATION BANK'S COUNTER
** 50 APPLICANT
:50:PUBLIC PROCUREMENT SERVICE. THE
REPUBLIC OF KOREA(HEREINAFTER
REFERRED TO AS PPS)189 CHEONGSA-RO,
SEO-GU, DAEJEON, KOREA
** 59 BENEFICIARY
:59:SERCON LIMITED.
UNIT 3B CREWE TRADE PARK GATEWAY,
CREWE CW1 6JT U.K. T:+44 1270
580008 F:+44 1270 252310
** 32B CURRENCY CODE, AMOUNT
:32B:USD42500,00
** 41 AVAILABLE WITH...BY...
:41D:ANY BANK
BY NEGOTIATION
** 42C DRAFTS AT ...
:42C:AT SIGHT
** 42 DRAWEE
:42A:NACFKRSEXXX
NONGHYUP BANK
IMPORT DEPARTMENT NONGHYUP
SINCHON COMPLES B/D 6 49-31
NOGOSAN-DONG, MAPO-GU SEOUL
** 43P PARTIAL SHIPMENTS
:43P:NOT ALLOWED
** 43T TRANSHIPMENT
:43T:NOT ALLOWED
** 44E PORT OF LOADING /AIRPORT OF DEPARTURE
:44E:
LONDON AIRPORT
** 44F PORT OF DISCHARGE/AIRPORT OF DESTINATION

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:44F:
INCHEON AIRPORT, SOUTH KOREA
** 44C LATEST DATE OF SHIPMENT
:44C:
210125
** 45 DESCRIPTION OF GOODS AND/OR SERVICES
:45A:
+TOTAL ORGANIC CARBON ANALYZER(THERMALOX)
TOTAL FCA LONDON AIRPORT.....USD 42,500.00
OTHER DETAILS ARE AS PER THE CONTRACT NO. KFX-KSA-0020112300-F1
ORIGIN: U.K.
** 46 DOCUMENTS REQUIRED
:46A:
1.AIR WAYBILLS CONSIGNED TO THE PPS AND MARKED 'FREIGHT COLLECT'
AND 'NOTIFICATION HAS BEEN MADE TO PPS, THE REPUBLIC OF KOREA'
2.SIGNED COMMERCIAL INVOICE IN DUPLICATE.
3.PACKING LIST IN DUPLICATE.
(WEIGHT AND MEASUREMENT OF THE GOODS SHALL BE SHOWN)
4.INSPECTION AND MARKING CERTIFICATES IN DUPLICATE ISSUED BY
THE MAKER, SERCON LIMITED
STATING TO THE EFFECT THAT THE COMMODITY DESCRIBED HEREIN IS
IN
CONFORMITY WITH THE COMMODITY DESCRIPTION IN THE CONTRACT AND
MARKING REQUIREMENTS HAVE BEEN DULY COMPLIED WITH THE
CONTRACT.
5.SHIPPING ADVICE IN DUPLICATE.
6.COPIES OF FAX ACTIVITY REPORT IN DUPLICATE, EVIDENCING THAT
THE
BENEFICIARY HAS SENT A SHIPPING ADVICE TO PPS AND THE ISSUING
BANK BY FAX.
** 47 ADDITIONAL CONDITIONS
:47A:
1.DOCUMENTS MUST BE NEGOTIATED IN CONFORMITY WITH THE CREDIT
TERMS.
DISCREPANCY FEE OF USD 70.00 OR EQUIVALENT WILL BE DEDUCTED
FROM THE PROCEEDS OF EACH PRESENTATION OF DOCUMENTS WITH
DISCREPANCY(IES) FOR PAYMENT/REIMBURSEMENT UNDER THIS LETTER
OF
CREDIT. NOTWITHSTANDING ANY INSTRUCTION TO THE CONTRARY, THIS
FEE IS FOR THE ACCOUNT OF THE BENEFICIARY.
2.T/T REIMBURSEMENT PROHIBITED.
3.ALL DOCUMENTS MUST CONTAIN THE
CONTRACT NO. KFX-KSA-0020112300-F1
LETTER OF CREDIT NO. M03BH010GS01593
CONSIGNEE, PUBLIC PROCUREMENT SERVICE
DISCHARGING AIRPORT, INCHEON AIRPORT
AND END-USER'S NAME, JEONNAM-DO WANDO-GUN
WHICH MUST BE MARKED ON THE SURFACE OF EACH PACKAGE.
4.INSURANCE WILL BE COVERED BY THE APPLICANT.
5.PENALTY FOR LATE SHIPMENT : IN CASE SHIPMENT HAS NOT BEEN
COMPLETED WITHIN THE LATEST DATE OF SHIPMENT, THE SHIPPING
DATE
AND CREDIT VALIDITY SHALL BE AUTOMATICALLY EXTENDED BY 30
CALENDAR DAYS SUBJECT TO DEDUCTION FROM THE INVOICE AMOUNT OF
PENALTY FOR LATE SHIPMENT EQUIVALENT TO 0.08 PERCENT PER DAY
OF THE PRICE FOR THE PORTION THUS DELAYED.
6.THE BENEFICIARY'S INVOICE MUST CONTAIN THE FOLLOWING
STATEMENT:
'THE UNDERSIGNED HEREBY CERTIFIES THAT SHIPPING ADVICE HAS
FORWARDED TO PPS (FAX NO.82-42-472-2301) AND THE ISSUING BANK
(FAX NO.82-42-488-8955) BY FAX'.
7.THE SHIPPING ADVICES SHOULD BE TELETRANSMITTED TO PPS (FAX

National Westminster Bank Plc, Registered in England No 929027. Registered Office: 250 Bishopsgate, London EC2M 4AA
Authorised by the Prudential Regulation Authority and regulated by the Financial Conduct Authority and the Prudential Regulation Authority.

NO.82-42-472-2301) AND THE ISSUING BANK (FAX NO.82-42-488-8955)
PRIOR TO THE FLIGHT DATE WHICH CONTAINS CONTRACT NO., CREDIT NO., INVOICE AMOUNT, BRIEF DESCRIPTION OF GOODS SHIPPED,
FLIGHT NO., LOADING AIRPORT, ESTIMATED DEPARTURE DATE AND ARRIVAL DATE.
8.NEGOTIATING BANK SHALL ADVISE US OF AMOUNT NEGOTIATED BY TESTED MESSAGE CONFORMING THAT ALL TERMS AND CONDITIONS OF L/C HAVE BEEN COMPLIED WITH.
9.SHIPMENT SHOULD BE MADE BY ACE CARGO SERVICE LTD
ADDR. : UNIT 4, FALCON WAY, NORTH FELTHAM TRADING ESTATE, FELTHAM, MIDDLESEX TW14 0XJ U.K.
TEL : +44 (0)208 890 8424
FAX : +44 (0)208 890 8422
E-MAIL: ACE(AT)ACECGO.CO.UK
10.WHEN OUR BANK REMIT THE PROCEEDS TO YOU(OR TO YOUR BANK) OR WHEN WE GIVE AN AUTHORIZATION TO PAY/ACCEPT/NEGOTIATE/CLAIM REIMBURSEMENT TO YOUR BANK AS PER ITS REQUEST, USD 90.00 OR EQUIVALENT AMOUNT WILL BE DEDUCTED FROM EACH PAYMENT AMOUNT BEING OUR HANDLING CHARGES AND SWIFT CHARGES. THIS PARAGRAPH IS
APPLICABLE REGARDLESS OF WHETHER THE OTHER PARTS OF THIS CREDIT
STIPULATE THAT ALL BANKING CHARGES ARE FOR ACCOUNT OF THE BENEFICIARY OR NOT.
11.PRESENTATION OF DOCUMENT(S) THAT ARE NOT IN COMPLIANCE WITH THE APPLICABLE ANTI-BOYCOTT, ANTI-MONEY LAUNDERING, ANTI-TERRORISM, ANTI-DRUG TRAFFICKING AND ECONOMIC SANCTIONS LAWS AND REGULATIONS IS NOT ACCEPTABLE. APPLICABLE LAWS VARY DEPENDING ON THE TRANSACTION AND MAY INCLUDE UNITED NATIONS, UNITED STATES AND/OR LOCAL LAWS.
** 71D CHARGES
:71D:+UNLESS OTHERWISE EXPRESSLY
STATED, ALL BANKING CHARGES
INCLUDING REIMBURSEMENT CHARGES,
POSTAGE, ETC OUTSIDE KOREA
FOR ACCOUNT OF BENEFICIARY.
** 48 PERIOD FOR PRESENTATION IN DAYS
:48:021/DAYS AFTER THE DATE OF SHIPMENT.
** 49 CONFIRMATION INSTRUCTIONS
:49:WITHOUT
** 78 INSTRUCTIONS TO THE PAYING/ACCEPTING/NEGOTIATING BANK
:78:
1.ALL DRAFT AND DOCUMENTS SHOULD BE FORWARDED TO THE GOVERNMENT COMPLEX DAE-JEON CITY BRANCH OF NONGHYUP BANK, 189 CHEONGSA-RO,
SEO-GU, DAEJEON, KOREA (POSTAL CODE: 35208)
IN ONE LOT BY REGISTERED AIRMAIL OR AIR-COURIER.
2.FOR PURPOSE OF COURIER, OUR BANK DETAIL IS GIVEN AS BELOW
TEL:+82-42-829-3613
E-MAIL: NACF3004(AT)NONGHYUP.COM
CONTACT DEPARTMENT NAME:FOREIGN TRADE DEPARTMENT
3.UPON RECEIPT OF DOCUMENTS IN COMPLIANCE WITH THE TERMS AND CONDITIONS OF THE CREDIT, WE WILL REMIT THE PROCEEDS AS PER YOUR INSTRUCTIONS.
** 72 SENDER TO RECEIVER INFORMATION
:72Z:THIS CREDIT IS SUBJECT TO UCP
(2007 REV)I.C.C.PUB.600.
REIMBURSEMENT UPON THIS CREDIT
ARE SUBJECT TO THE URR. NO.725.

National Westminster Bank Plc, Registered in England No 929027. Registered Office: 250 Bishopsgate, London EC2M 4AA
Authorised by the Prudential Regulation Authority and regulated by the Financial Conduct Authority and the Prudential Regulation Authority.

National Westminster Bank Plc, Registered in England No 929027. Registered Office: 250 Bishopsgate, London EC2M 4AA
Authorised by the Prudential Regulation Authority and regulated by the Financial Conduct Authority and the Prudential Regulation Authority.

COMMERCIAL INVOICE

Date: 19/03/2021

Customer Reference: MJ Kim

Shipper / Exporter:

Sercon Limited
Unit 3B Crewe Trade Park
Gateway
Crewe
CW1 6JT
UK

Contact: Joanne O'Connor
Tel: +44 (0) 1270 580008
Invoice Reference: 15177

Delivery Address:

Saram International Co. Ltd
B1019, F10, 167
Songpa-daero, Songpa-gu
Soeul, 05854
Republic of Korea

Contact Name: June Yoo / MJ Kim
Cust Tel Number: +82-2-3402-0518

Country of Export: UK
Country of Manufacture: UK
Country of Destination: KR Korea (South)

Shipping Marks /

1 Box @ 99x89x83cms GW: 56kg

UK Commodity Code: 90273000

Quantity	Product Code	Product Description	Amount £
1	CON001	14005 - Thermlox TOC Sonicator Module Sample module, Free of charge VALUE FOR CUSTOMS PURPOSES ONLY 100 GBP 1 BOX @ 99 x 89 x 83cms GW: 56kg	0.01

None of the goods contained in this consignment are restricted by IATA or shipping regulations

Total Invoice Value: £ 0.01

Signed .....J O'Connor.....

Sercon Limited
Unit 3B Crewe Trade Park
Gateway, Crewe
CW1 6JT U.K.
Company Registration No.: 4290072

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

www.sercongroup.com
VAT No.: 771 1100 74

sercon
innovators in isotopes

Packing List

Customer Reference: M03BH010GS01593

Shipper / Exporter:

Sercon Limited
Unit 3B Crewe Trade park
Gateway
Crewe
CW1 6JT
UK

Tel: +44 (0)1270 580008
Reference: IN1247

Consignee:

Public Procurement Service
The Republic of Korea (Hereinafter referred to as PPS) 189 Cheongsa-Ro, SEO-GU, Daejeon, Korea

Contact Name:
Contact Tel Number:

BOX: 1

Quantity	Product Code	Product Description	Serial Number: *if available*
☑ 1	14002	Thermalox Environmental TOC-Standalone with Autosampler	14002-2020/1247
☑ 1	SI2771	CO2 Detector, high sensitivity	0400741
☑ 1		Windows recovery flash drive	
☑ 1		Software back up drive	
☑ 1		External Tubing	
☑ 1		Glass Water Bottle	
☑ 2		USB Cable	
☑ 1		PSU for CO2 Detector	
☑ 1		9-Way to 9-Way cable (TOC – Detector)	
☑ 4		Euro Mains Leads	
☑ 1		PC	
☑ 1		Monitor	
☑ 1		Multi Way USB	
☑ 1		PC bracket	
☑ 1		Needle	
☑ 1		Duel USB cable	
☑ 1	72101-1	TOC Start up kit	

Packed by: P. Hayes
Date: 21/12/20

Claims for damage or shortages must be made within 3 days

Sercon Limited
Unit 3B Crewe Trade Park
Gateway, Crewe
CW1 6JT U.K.
Company Registration No.: 4290072

Phone: +44 (0) 1270 580008
Fax: +44 (0) 1270 252310
sales@sercongroup.com
www.sercongroup.com
VAT No.: 771 1100 74

ContractSheet

[Ordering Organization]

Public Procurement Service

조달청장

Director (과장) : 양재규

Assistant Director (서기관/사무관) : 하은혜 (Tel: 070-4056-7312)

Person in Charge (담당자) : 김혜정 (Tel: 070-4056-7557)

FAX No. :

[Contractor]

<<BIDDER>>

Name : (주)사람인터내셔널
Saram International Co. Ltd

Address : (05855) 서울특별시 송파구 송파대로 167 (문정동, 문정역테라타워) B동 1019호

Taxpayer Id. No. : 2158793723

Person in Charge : 유재흥

Phone No. : 02-3402-0518

FAX No. : 02-3401-0518

<<SUPPLIER>>

1 : SERCON Limited

2 : Saram International Co Ltd

Contract No.		KFX-KSA-0020112300-F1	Contract Date	2020/10/26
Method of Contract		일반경쟁	Contract classification	총액계약
Currency classify		외화	Conversion Rate	US 1 = ₩ 1134.6
P.R.No.		20GA0978	Invitation No.	2020091775500
Rate of liquidated damages		물품의 제조 및 구매 : 0.08%		
Demand Organization	Name	전라남도 완도군 Jeonnam-do Wando-gun	FAX No.	061-550-5229
	Person in Charge	김종표	Phone No.	061-550-5242
	Address	(59124) 전라남도 완도군 완도읍 청해진남로		
Delivery	Foreign	Within 90 days after issuing of L/C ※ In case of Foreign supply, refer to the latest shipping date on the L/C		
	Local	2021/01/29 ※ In case of Local Supply, payment shall be made directly by the end-user to the contractor after installation/test-run.		
Warranty Bond	Period	This warranty shall remain valid for 24 months after the successful installation and test-run		
	Percent(%)	The establishment of a Warranty Bond, in the amount of 5% of the contract value		
	Establishment	Contractor		

※ 해외공급자의 하자보증금 적립조건의 경우에도 원화계약분은 국내계약자가 하자보증금을 적립한다.

[Contract Amount]

Commodity		총유기탄소분석기
Delivery Terms		FCA
H.S.K No.		9027801000
Actual Unit & Amount	Foreign	(USD) 42,500.0
	Local	₩ 7,100,000.0
Convert to USD($)	Foreign	42,500.0
	Local	6,257.71
SUM		48,757.71
StampTax Target		Y
StampTax Amount		(₩) 70,000

Foreign 42,500.0 (USD)	FCA(FOB)	Freight	I/P	Custom Duty	Handling charges and Installation Fee	VAT
	42500					

[Supplier Description]

No		1		
Supplier	Country	영국		
	Name	SERCON Limited		
	Address	Unit 3B Crewe Trade Park Gateway, Crewe CW1 6JT U.K.		
	Phone No.	+44 1270 580008	FAX No.	+44 1270 252310
Beneficiary	Country	영국		
	Name	SERCON Limited		
	Address	Unit 3B Crewe Trade Park Gateway, Crewe CW1 6JT U.K.		
	Phone No.	+44 1270 580008	FAX No.	+44 1270 252310
Manufacturer		SERCON Limited		
Origin Of Supply		U.K.		
Insurance Premium	Name	삼성화재해상보험 주식회사		
	Phone No.	02-758-7488		
	Supplier's Option Check	N	PPS's Option Check	Y
	End User Option Check	N		
	ICC C Check	N	ICC B Check	N
	ICC A Check	N	ICC Air Check	Y
	ITE Check	N	TS Check	N
	Brackage Percent		Insurance Percent	0.0118
	Insurance Monetary Amount	5.51	Monetary Amount Unit	
Inspector	Maker	Y		
	Third Party	N	Phone No.	
Issuing Bank	Name	농협은행(주) 정부대전청사지점		
	Phone No.	042-481-6435		

Advising Bank	Name	National Westminster Bank		
	Address	36 High Street,Nantwich, Cheshire CW5 5GA U.K.		
Loading Airport / Port		LONDON		
Carrier		(주)벨로지스	Carrier Phone No.	070-5029-0894
Discharging Port		INCHEON AIRPORT		
Partial Shipment	PS Allowed	N	Trans Shipment	TS Allowed N
	PS Prohibited	Y		TS Prohibited Y
Performance Bond	Contractor Check	Y	Beneficiary Check	N
	Contractor Monetary Amount	2,125.0	Beneficiary Monetary Amount	0.0
	Contractor Monetary Percent	5	Beneficiary Monetary Percent	0
	Monetary Amount Unit	USD	Monetary Amount Unit	USD

Payment

Payment in installment

on shipment 100 % of invoice amount

※ 선적(또는 인도나 설치)이 지체되었을 경우 지체상금이 부과됩니다. (In case of late shipments(delivery or installment), liquidated damages will be imposed.)

REMARK

1. 계약서에 첨부되어 있지 않은 낙찰자가 제출한 입찰 서류, 외자입찰유의서, 외자계약일반조건, 청렴계약서, 입찰설명서 및 제안요청서도 계약서에 해당됩니다. The bidding document already submitted by the successful bidder(for Foreign Contract), Instructions to Bidders, General Provisions for Contract, Pledge for clean contract, Invitation for Bids and Request for Proposal shall be essential parts of contract, although those are not attached to this contract sheet. 2.「외자입찰유의서」제2조(용어의 정의)제5항, 제6조(입찰자 및 공급자의 책임) 제5항에 따라 입찰자는 공급자가 계약자로서의 의무를 이행하지 않을 시는 공급자와 연대하여 계약 관련 모든 책임을 집니다. When the supplier fails to perform his/her contractual obligations, the bidder shall be jointly and severally liable with the supplier for any obligations of the contract pursuant to Article 2 (5) and 6 (5) of the Instructions to Bidders. 3. 수요기관은 외자계약 물품 인수 후 나라장터 시스템에서 검사검수 실시 결과를 제출하여야 하며, 검사. 검수 결과 이상이 없을 경우 무하자 인수통보서를 나라장터를 통해 반드시 제출하여야 합니다. 또한, 물품 납품(설치)이 지연되었을 경우에는 검사 검수요청서에 지체상금 및 지체일수를 입력하여야 합니다. End User shall submit results of inspection after delivery of contracted goods via KONEPS and if there is no defect in inspection, final acceptance report also be submitted via KONEPS. In case that delivery(installation) of contracted goods is delayed, liquidated damages and days of delay shall be written in a request form of inspection.

No		2		
Supplier	Country	대한민국		
	Name	Saram International Co Ltd		
	Address	Seoul Korea		
	Phone No.	0234020518	FAX No.	0234010518
Beneficiary	Country	대한민국		
	Name	Saram International Co Ltd		
	Address	Seoul Korea		
	Phone No.	0234020518	FAX No.	0234010518
Manufacturer		Sunho engineering		
Origin Of Supply		KOREA		

Insurance Premium	Name			
	Phone No.			
	Supplier's Option Check		PPS's Option Check	
	End User Option Check			
	ICC C Check		ICC B Check	
	ICC A Check		ICC Air Check	
	ITE Check		TS Check	
	Brackage Percent		Insurance Percent	
	Insurance Monetary Amount		Monetary Amount Unit	
Inspector	Maker	Y		
	Third Party	N	Phone No.	
Issuing Bank	Name			
	Phone No.			
Advising Bank	Name			
	Address			
Loading Airport / Port				
Carrier			Carrier Phone No.	
Discharging Port				
Partial Shipment	PS Allowed		Trans Shipment	TS Allowed
	PS Prohibited			TS Prohibited
Performance Bond	Contractor Check	Y	Beneficiary Check	N
	Contractor Monetary Amount	355,000.0	Beneficiary Monetary Amount	0.0
	Contractor Monetary Percent	5	Beneficiary Monetary Percent	0
	Monetary Amount Unit	KRW	Monetary Amount Unit	KRW
Payment	payment shall be made directly by the end-user to the contractor after installation/test-run			

REMARK

1. 계약서에 첨부되어 있지 않은 낙찰자가 제출한 입찰 서류, 외자입찰유의서, 외자계약일반조건, 청렴계약서, 입찰설명서 및 제안요청서도 계약서에 해당됩니다. The bidding document already submitted by the successful bidder(for Foreign Contract), Instructions to Bidders, General Provisions for Contract, Pledge for clean contract, Invitation for Bids and Request for Proposal shall be essential parts of contract, although those are not attached to this contract sheet. 2.「외자입찰유의서」제2조(용어의 정의)제5항, 제6조(입찰자 및 공급자의 책임) 제5항에 따라 입찰자는 공급자가 계약자로서의 의무를 이행하지 않을 시는 공급자와 연대하여 계약 관련 모든 책임을 집니다. When the supplier fails to perform his/her contractual obligations, the bidder shall be jointly and severally liable with the supplier for any obligations of the contract pursuant to Article 2 (5) and 6 (5) of the Instructions to Bidders. 3. 수요기관은 외자계약 물품 인수 후 나라장터 시스템에서 검사검수 실시 결과를 제출하여야 하며, 검사. 검수 결과 이상이 없을 경우 무하자 인수통보서를 나라장터를 통해 반드시 제출하여야 합니다. 또한, 물품 납품(설치)이 지연되었을 경우에는 검사 검수요청서에 지체상금 및 지체일수를 입력하여야 합니다. End User shall submit results of inspection after delivery of contracted goods via KONEPS and if there is no defect in inspection, final acceptance report also be submitted via KONEPS. In case that delivery(installation) of contracted goods is delayed, liquidated damages and days of delay shall be written in a request form of inspection.

[Demand Description]

Item No.	Commodity		Model		Contract No.		H.S.K. No.
	Commodity Classification No.		Commodity Classification Name				
	Commodity Identification No.		Commodity Identification Name				
	Contractor		Supplier			Manufacturer	
	Delivery Terms	Currency	Basic Rate	TTS Rate	Q'ty	Unit Price	Total Price
1-0	총유기탄소분석기		Thermalox		KFX-KSA-0020112300-F1		9027801000
	41113315		유기탄소측정기				
	20646961		총유기탄소분석기, 수요기관규격				
	Saram International Co. Ltd		SERCON Limited			SERCON Limited	
	FCA	USD	1,134.6	1,145.7	1.0	0.0	42,500.0
1-1	총유기탄소분석기		O2 system_310		KFX-KSA-0020112300-F1		9027801000
	41113315		유기탄소측정기				
	20646961		총유기탄소분석기, 수요기관규격				
	Saram International Co. Ltd		Saram International Co Ltd			Sunho engineering	
	DTE	KRW	1.0	1.0	1.0	0.0	7,100,000.0

[Attachment]

No.	Document Name	File Name
1	0020112300_계약체결 안내문	0020112300_Contract_Notice.hwp

14465

Quotation

To: Saram International Co. Ltd
B1019, F10, 167
Songpa-daero, Songpa-gu
Soeul, 05855
Republic of Korea

VAT Reg No: KR

Quotation Date: 08/07/2020
Quotation Reference: 14465
Customer Ref:
Account Ref. SAR001
Quotation Validity:

Quantity	Product Code	Product Description	Unit Price £	Net Price £
		Agent Pricing		
		TOC Thermalox System		
1	14002	Thermalox Environmental TOC-Standalone TOC analyser -Standalone Unit Includes analyser, autosampler, CO2 detector, carrier gas scrubber and furnace and dryer and TOC start up kit	18,900.00	18,900.00
		TOC Thermalox System without Autosampler		
1	14003	Thermalox Environmental TOC-Standalone No Sampler	15,300.00	15,300.00
		TOC Thermalox System with Sonicator		
1	14002	Thermalox Environmental TOC-Standalone TOC analyser -Standalone Unit Includes analyser, autosampler, CO2 detector, carrier gas scrubber and furnace and dryer and TOC start up kit	18,900.00	18,900.00
1	14005	Thermalox Environmental TOC Sonicator Module Economical, small volume cell disruptor. Processes 0.2 to 50mL Sonic Dismembrators are extremely loud devices that can cause discomfort to the user and anyone nearby. The Sound Enclosure reduces noise by approximately 20 dBa	6,000.00	6,000.00
1	WARR	1 year warranty		

This quotation is issued in Pound Sterling

Total Net Amount	£	59,100.00
Total VAT Amount	£	0.00
Order Total	£	59,100.00

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

Delivery: within 90 days of receipt of order

Payment Details:-
50% with order, 40% on delivery and 10% installation
100% on delivery
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.

IBAN: GB74NWBK54101736755133
SWIFT/BIC: NWBKGB2LXXX

Sercon Limited
Unit 3B Crewe Trade Park
Gateway, Crewe
CW1 6JT U.K.
Company Registration No.: 4290072

Phone: +44 (0) 1270 580008
Fax: +44 (0) 1270 252310
www.sercongroup.com
VAT No.: 771 1100 74