



Calibration-Validation -Temperature Mapping

Measuring Services .. You can count on ...

As a growing Company We Look forward to Achieve the difficult equation through providing a high quality services with a competitive cost

Our team technical knowledge and experience, coupled with our steadfast commitment to quality and the highest standards of customer service, provide our clients with reliable, accurate and thoroughly documented controlled results, and ensuring optimal equipment performance, documented regulatory and quality compliance, in addition to minimizing equipment and facility down time.



About Us

Egyptian Engineering and Scientific Services Company provide comprehensive Calibration, Clean room Validation , Temperature Mapping and Qualification services to the pharmaceutical, medical device and Food industries.

We Also Supply Handheld Instruments , Data loggers , Measuring and Calibration Instruments , Calibrators and Environmental Monitoring Systems (temperature , Humidity , Differential Pressure and Particle Counting)

EESS an ISO 9001:2008 certified company in the scope of Calibration, Validation and Thermal Validation Services

Market Sectors

EESS has experience in process and cleanroom technology and fully understands the needs for manufacturing facilities required by highly regulated and demanding manufacturing industries.

Pharmaceutical-Medical Devices-Food and Beverage



TECHNICAL SERVICES

EESS provide reliable accurate and precise services for our customers with the highest level of quality and professionalism. It is our goal to gain and maintain our customer relationships with a focus on outstanding service Quick response to our customer requests followed by timely completion of the work means a more streamlined company operation for customers, We are constantly updating and expanding our capabilities to meet your business requirements.



Calibration

EESS provides Calibration Services for Temperature, Pressure, Humidity, Conductivity, PH, Mass, Force, Electrical, Dimensional, Rotation Speed, Time, and more, traceable to the international Institutes of Standards and metrology and meet the ISO 17025



Clean Room Validation

Cleanroom Validation Services for Clean Areas and Equipments which executed in accordance with cGMPs and ISO 14644 Regulations. testing includes Particulate Counting , Air Change Rate , Air Pressure Difference, Airflow velocity, DOP Test, Airflow visualization, , and Recovery time tests



Thermal Validation

Thermal Validation Services covers Autoclaves, ETO Sterilizers, Ovens, Tunnels, Incubators, Stability Chambers, Cold stores and warehouses according to HTM, WHO, cGMP, and ISO Regulations using validation systems comply with FDA 21CFR part11



Qualification IQ,OQ

Qualification Services includes the preparation and executions of IQ, OQ, PQ Protocols for Laboratory Equipments, Utility systems, Sterilizers , and Production Lines, Also for Computer Systems which meets our customers' regulatory and GLP/GMP requirements.

OUR COMPLETE PROJECT SOLUTIONS



HVAC System Validation

For HVAC Systems with regard to Standards and Guidelines We provide a full testing pack from Air Handling Units Qualification with BMS Validation and Measuring Instruments Calibration to Cleanroom Testing and Certification

- Projects delivered with high level of Project Management and Scheduling
- Complete Validation Documentation (IQ, OQ , PQ ,...)
- Comprehensive Calibration Certificates with as-found and as-left data
- Cleanroom Test reports can be customized to customer specification

Sterilization Validation

Developing, executing and summarizing PQs for moist heat and dry heat component sterilization as well as EO Gas Sterilization , We have many array of validation equipment allowing us to provide our customers with a large variety of options when choosing how many data-points and parameters they want to include in their validation study

- CFR21 Part 11 compliant software easy , detailed and Professional Report
- Distribution and Penetration Studies with Hot and Cold Points Detectinglation
- Sterilization Period Calculation (Min , Max , Time,...) withLethality Calculations
- Highly Explained Mapping and Loading Pattern



Why Choose EESS ?

For High Quality Services with a competitive cost

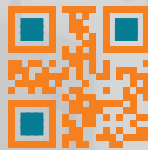
For Fast response in service execution and Reports delivery

For Flexibility with Customer requirements and Time availability

For Continuous Improvement for our provided services quality

For trust in our system depending on Automated reports and customer data security and privacy

For Support ,We are always available for answering your questions and solve your problems with open mind using the latest technology



GET IN TOUCH

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الخدمات الفنية التي تقدمها الشركة المصرية للخدمات العلمية والهندسية

الشركة المصرية للخدمات العلمية والهندسية تقدم خدمات المعايرة والقياسات والتحقق من الصلاحية واختبارات الغرف النظيفة لمناطق تصنيع الادوية والمستلزمات الطبية والصناعات الغذائية وصناعات اخرى و دراسات التوزيع الحراري للمخازن والثلاجات وكل مناطق التخزين كمان سيارات نقل الادوية , شركتنا بتستخدم احدث الاجهزة والانظمة الموجودة في العالم المطابقة للمواصفات القياسية العالمية , شركتنا قدرت تحقق معادلة صعبة انها تقدم خدمة جودة واحترافية باسعار تنافسية في اكبر الشركات في مصر وبرة مصر , نحن أيضا نقوم بتوريد اجهزة القياس والمعايرة وأنظمة الرصد البيئي , الشركة المصرية للخدمات العلمية والهندسية حاصلة على شهادة ايزو 9001:2015 في كل المجالات والخدمات التي بتقدمها ,شركتنا بتتميز بدعمها للعملاء وبسرعة تنفيذ طلباتهم في مواقعهم و توصيل شهادات المعايرة او تقارير الاختبارات في اسرع وقت ممكن بدون تعقيد او تاخير . شركتنا هي مقدم الخدمة المتكامل التي انت بتدور عليه التي هنتقدمك كل التي انت محتاجة وبدعم فني متميز وفي وقت قياسي.



معايرة اجهزة القياس

نقدم خدمات المعايرة لاجهزة قياس درجة الحرارة ، الضغط ، فرق الضغط ، الرطوبة النسبية ، تدفق الهواء، Conductivity ، PH ، الكتلة ، القوة ، الصلابة ، العزم، سرعة الدوران، الوقت ، الاطوال ، الكهربائية ، الحجم، اجهزة الكشف عن المعادن ، والمزيد ...* تبع المعايير التي يتم إجراؤها إلى المعهد الوطني للمعايير والتقنية (NIST) وتفي بمتطلبات ISO 17025



اختبارات الغرف النظيفة

خدمات اختبار و التحقق من المناطق والمعدات النظيفة وفقاً لمعايير GMP و ISO 14644. الاختبارات تشمل:-
أختبار الفلاتر تقيية الهواء ، أختبار عد الجزيئات الموجودة في الهواء
أختبار كميات الهواء ومعدل تغير الهواء في الساعة ، أختبار فرق الضغط بين الغرف النظيفة، أختبار الحرارة والرطوبة في الغرف النظيفة
أختبار اتجاه الهواء وتوزيعه، أختبار وقت الاستعادة للغرف النظيفة بعد تلوثها
أختبار سرعة الهواء



اختبار ودراسة التوزيع الحراري

تغطي خدمات التحقق من التوزيع الحراري أجهزة التعقيم والأفران والأنفاق واجهزة التعقيم بغاز الايثيلين والحاضانات وغرف الثبات والمخازن وفقاً لأنظمة HTM و WHO و cGMP و ISO باستخدام أنظمة التحقق من الصحة التي تتوافق مع FDA 21CFR part11



التحقق من كفاءة المعدات والانظمة

تشمل خدمات التحقق من الكفاءة إعداد وتنفيذ بروتوكولات IQ و OQ و PQ للمعدات المخبرية وأنظمة المرافق والمعقمات وخطوط الإنتاج ، وأيضاً لأنظمة الكمبيوتر طبقاً لمتطلبات عملائنا و GMP / GLP.

OUR COMPLETE PROJECT SOLUTIONS



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- Sterilization Period Calculation (Min , Max , Time,...) with Lethality Calculations
- Highly Explained Mapping and Loading Pattern





معمل القياس والمعايرة - خدمات المعايرة من EESS

من نحن EESS ؟

الشركة المصرية للخدمات العلمية والهندسية مقدم لخدمات القياس والمعايرة منذ عام 2013 في مصر والشرق الاوسط لمجموعة واسعة من الأجهزة نعمل مع كبرى الشركات في مجالات عدة مثل الصناعات الدوائية والمستلزمات الطبية والصناعات الغذائية . أسعارنا تنافسية للغاية وأوقات التسليم لدينا ممتازة

شهادات المعايرة لدينا شاملة وتشمل البيانات قبل وبعد المعايرة بالإضافة إلى معايير النجاح / الفشل وبيان موجز عن الطريقة المستخدمة تتبع المعايير التي يتم إجراؤها إلى المعهد الوطني للمعايير والتقنية (NIST) وتفي بمتطلبات ISO 17025 تم اعداد خدمات المعايرة من أجل زيادة كفاءة وفاعلية عملائنا من خلال تحسين دقة الأدوات وأداء المعدات . يتم تدريب مهندسي خدمة EESS على توفير خدمات معايرة دائمة في الموقع وفقا للوائح ISO ومعايير الصناعة

ما المعايير التي تقدمها لك EESS ؟

نقدم خدمات المعايرة لأجهزة قياس درجة الحرارة، الضغط، فرق الضغط، الرطوبة النسبية، تدفق الهواء، conductivity، PH، الكتل، القوة، الصلابة، العزم، سرعة الدوران، الوقت، الاطوال، الكهربية، المحجوم، الكشف عن المعادن، والمزيد ...

معمل معايرة الحرارة



Calibration of Ovens (Drying - Muffle)
Calibration of Incubators
Calibration of Refrigerators and Freezers
Calibration of Temperature indicators
Calibration of Temperature controller
Calibration of Thermo-hygrometer
Calibration of Stability chamber
Calibration of Digital Thermometer
Calibration of liquid bath
Calibration of Data Loggers
Calibration of Chart Recorder

معمل معايرة الضغط



Calibration of Pressure gauges
Calibration of Differential Pressure
Calibration of Vacuum gauges
Calibration of transducer
Calibration of Pressure calibrators
Calibration of Pressure Switches
Calibration of Chart Recorders
Calibration of Manometers
Calibration of Data Loggers

معمل معايرة القوة



Calibration of Compression machine
Calibration of Torque
Calibration of Hardness machine

معمل معايرة الكتل و الموازين



Calibration of Balances
Calibration of Moisture Balances
Calibration of weighing units on production
Calibration of standard weights
Calibration weights of measure equipment
Calibration of Check Weigher

معمل معايرة الكهربية



Calibration of Multimeter
Calibration of Multifunction
Calibration of Resistance Box

معمل معايرة الاطوال



Calibration of Micrometers
Calibration of Calipers
Calibration of gauge blocks
Calibration of Dial gauges
Calibration of rulers
Length measurements

معمل معايرة المتنوعة

Calibration of Centrifuge
Calibration Rotational Speed meter (rpm)
Calibration of Stop watch
Calibration of pH meter
Calibration of Conductivity meter
Calibration of Metal Detectors



التحقق من صلاحية الغرف النظيفة وانظمة التهوية والتكييف

نحن الشركة المصرية للخدمات العلمية والهندسية بمعرفتنا الفنية وخبرتنا في اختبار الغرف النظيفة بجانب التزامنا الراسخ بالجودة وأعلى معايير خدمة العملاء ، توفر عملائنا نتائج اختبار غرفة نظيفة موثوقة ودقيقة وموثقة ، مما يضمن الأداء الأمثل لها ، والتوثيق التنظيمي والتوافق مع الجودة ، وتقليل وقت التشغيل .

CLEAN ROOM TESTS ؟ EESS تقدمها لك
HEPA filter integrity testing
Non-viable particulate Counting
Air flow volume and Room air change rates
Air Pressure Difference between room
Temperature and humidity measurements
Airflow visualization testing
Recovery time test
Airflow velocity test

أختبار الفلاتر تنقية الهواء
أختبار عد الجزيئات الموجودة في الهواء
أختبار كميات الهواء ومعدل تغير الهواء في الساعة
أختبار فرق الضغط بين الغرف النظيفة
أختبار الحرارة والرطوبة في الغرف النظيفة
أختبار اتجاه الهواء وتوزيعه
أختبار وقت الاستعادة للغرف النظيفة بعد تلوثها
أختبار سرعة الهواء

Our Validation Services According to International Standards

ISO 14644 Clean room and associated environment

Federal standard FED-STD 209E

USP 797 ,Pharmaceutical Compounding – Sterile preparation

EU GMP

We Provide Qualification

Protocol for HVAC System Design ,

Drawing , Block Diagram ,

and Classification of each

Clean Room , also Reports for each Test in addition to summary

report for each room supported with automated report which generated

from our Validation Equipment and Validation software



Thermal Validation – Temperature Mapping Services Using 21 CFR Part 11 Compliant Software

Thermal Validation is defined as the documented procedure of obtaining, recording and interpreting results to ensure that the sterilization process has been and will be consistently effective.

Thermal validation consists of accurately measuring the temperature at critical points within the sterilization chamber throughout the process



A temperature mapping study is an exercise to qualify temperatures (and humidity if required) of storage environments used for temperature sensitive products. This can include but is not limited to Warehouses (Controlled, uncontrolled, Dedicated or Multi Market), Cold stores/Fridges, Freezers, Containers, Vehicles, Stability Chambers, Incubators

The temperature mapping report will document any recorded Hot & Cold spots as well as recommendations for continuous monitoring positions where required.

EESS Thermal Validation – Temperature Mapping System

Our thermal validation software provides compliance with FDA regulation in 21CFR Part 11.

It is providing a Full Automated Reporting and Report Management

In addition, software provides all the essential elements for meaningful and successful validation. , all parameters including calibration data associated with a validation study are stored in a specific secured, configuration file, printable for hardcopy filing.

During the test, data is time stamped and stored at a default scan value in an unmodifiable.

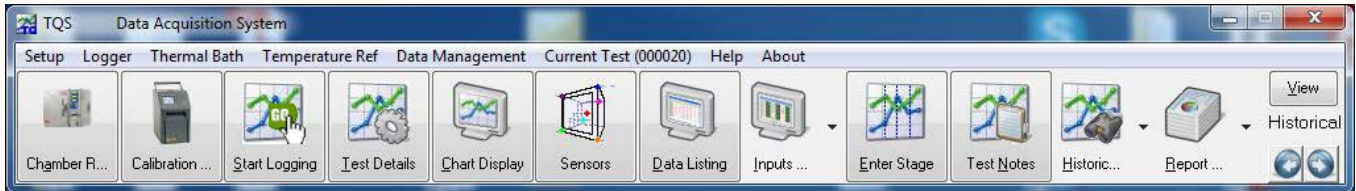
Operators can view in real time any or all parameters being measured with both graphical and digital displays.

The configured validation test data can be printed for hardcopy in both graphical and tabular format.

We Let you Know all you need from our Study Report With Clear Thermal Validation Reported contain Calibration Report and Calibration Check Report - Cycle Analysis - Cycle Mapping Supported With Chart , Chart Zoom , Sensor positioning , Data list - Data list Calculations , and finally you will find Thermal Validation Summary Report

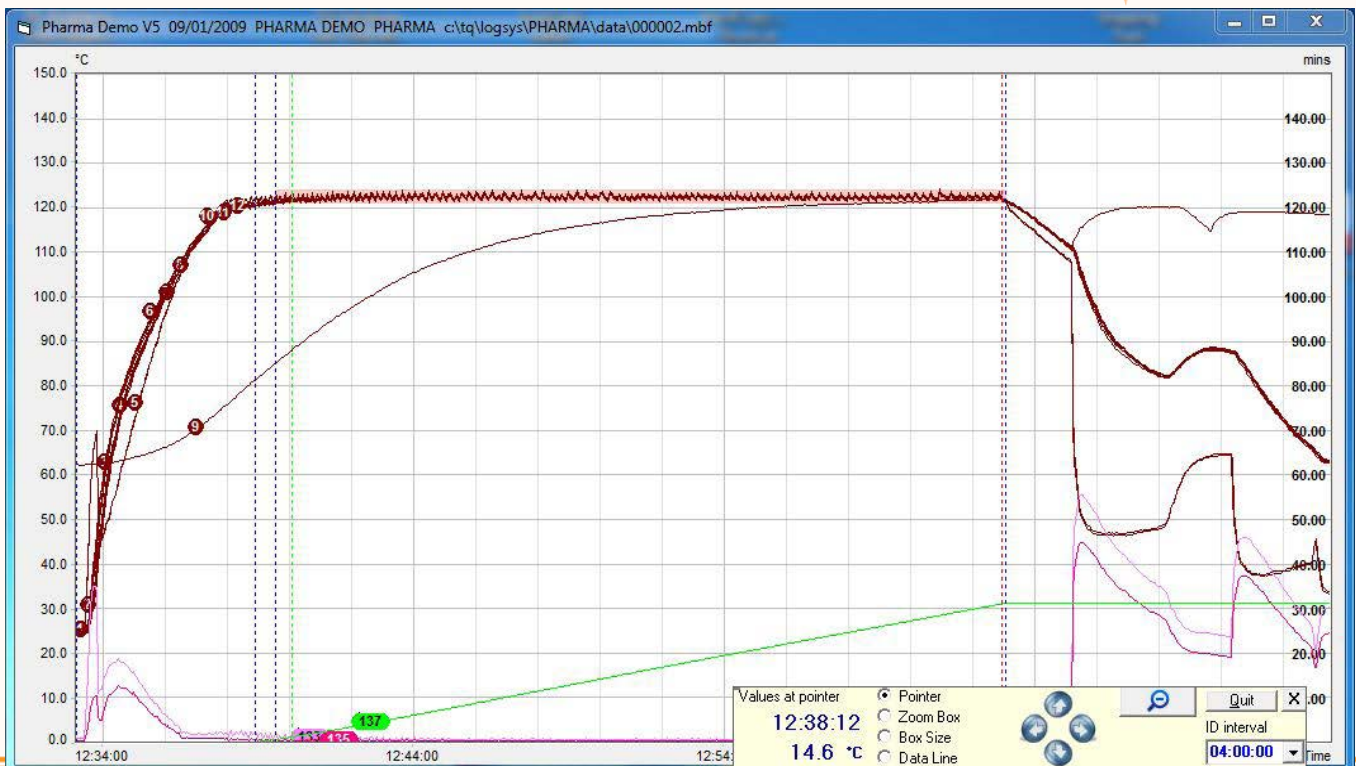
TQSoft has all the features essential for process monitoring!

User-Friendly Menu Display



Fully Configurable Chart

- Selectable trace ID interval
- Print normal chart or zoom view
- Configurable limit lines
- All individual trace colours are selectable
- Digital values display at vertical time line
- Easily move and resize zoom box with mouse
- Set the number of vertical and horizontal grids
- Real time chart update in normal or zoom view
- Select any probe combo or display calculated variables on graph
- Temperature and Pressure scales on same printout, digital values display
- Plot Max or Min of group
- Option to plot uncertainty



Tabular Data Listings provide concise data summary of the measured and calculated variables of the tested cycle!

Colour coded values provide easily recognised timings of limit excursions and attainment of sterilising conditions. User selected critical cycle events and calculations are inserted for reference.

Size of report is determined by user choice. Each "stage" duration has independent data listing frequency control to 1 second resolution.

Options to include any Calculation from TQS unique 'I-Calc' feature.

Stage time events displayed with selectable summary intervals!

Display selected calculations!

Insert any Calculations (I-Calcs)!

Option to show lethalties!

Configurable colours for values above each limit!

List up to 128 channels!

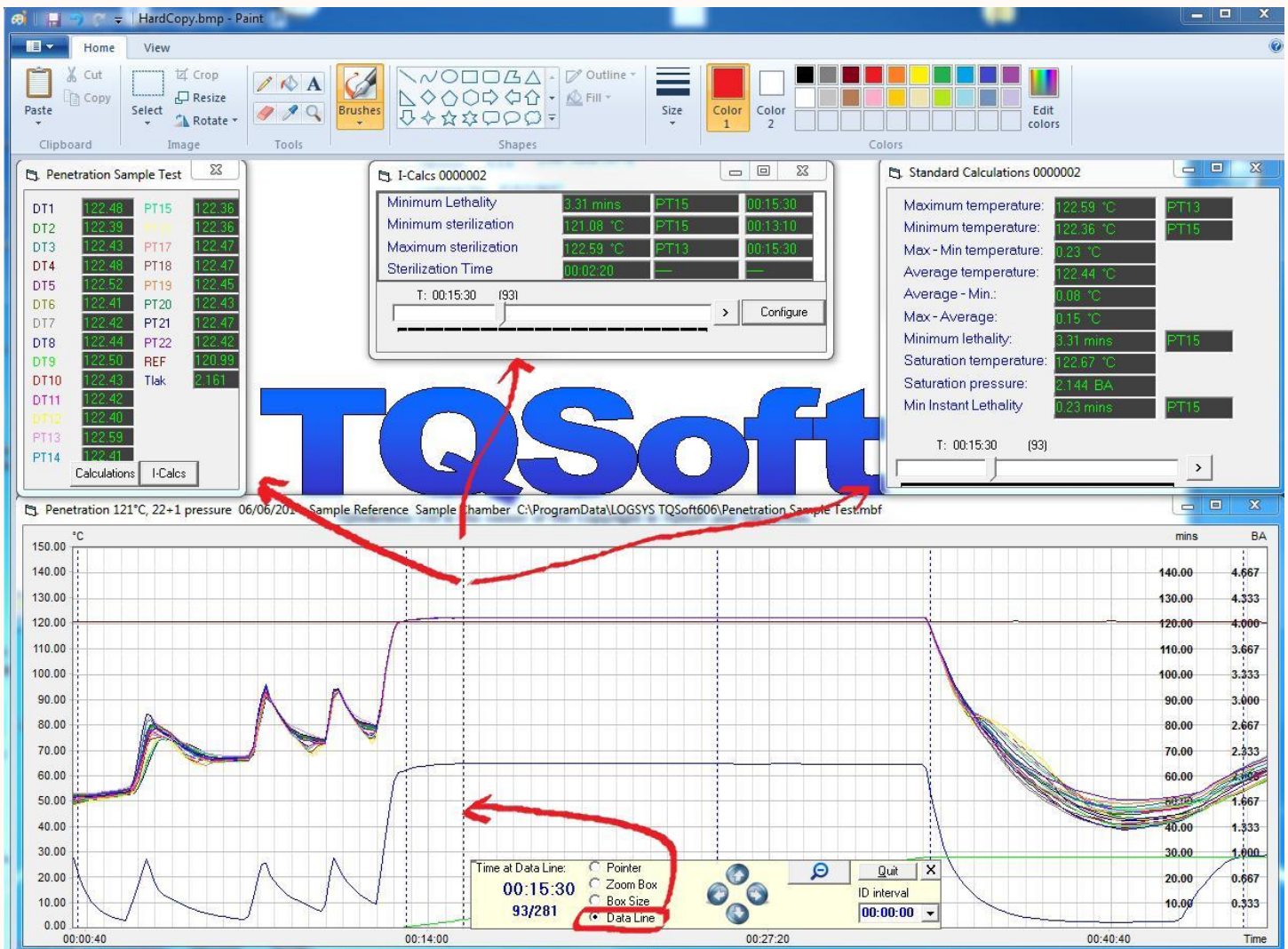
Use Custom Logo

PHARMA DEMO													Page 1 of 7	
Cycle No. 000011													24/01/2007	
Serial No. PHARMA													23:02:09	
c:\logsys\PHARMA\data\000011.mbf													The Manufacturing Site	
Pharma Demo V5														
Test Person:	Sign						Date						dd/mm/yyyy	
Time	Tmp 1	Tmp 2	Tmp 3	Tmp 4	Tmp 5	Tmp 6	Tmp 7	Tmp 8	Tmp 9	Tmp 10	Tmp 11	Tmp 12	Calculations	
	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	Mx-Mn	Avg-mn
Cycle Started														
23:02:10	25.3	24.6	24.4	24.3	25.1	24.3	24.8	24.7	62.3	24.7	24.9	24.9	38.0	3.6
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00		
23:04:10	75.3	88.4	88.7	85.8	75.7	89.1	85.0	85.6	64.3	88.4	87.7	86.0	24.8	18.9
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00		
23:06:10	114.0	113.8	114.1	112.6	114.2	114.2	113.1	113.0	70.9	113.9	113.1	113.6	43.3	39.1
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00		
Equilibration Start														
23:07:48	121.0	119.5	120.5	119.8	121.5	120.0	119.5	119.7	80.3	120.3	119.8	120.0	41.2	38.5
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00		
23:07:52	121.8	120.7	120.9	120.2	121.4	120.9	120.6	120.6	80.9	121.0	120.4	120.8	40.9	38.6
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00		
Lethality Start : 121.2 °C														
23:07:58	122.4	121.0	121.0	120.6	122.7	121.2	120.9	120.8	81.4	121.0	120.4	121.3	41.3	36.5
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00		
23:08:04	121.2	120.4	121.1	120.6	121.4	120.5	120.4	120.6	82.0	121.1	120.8	120.7	39.4	35.6
	0.12	0.10	0.10	0.09	0.11	0.10	0.10	0.10		0.10	0.09	0.10		
23:08:10	122.0	121.0	121.3	120.7	121.6	121.1	121.0	121.0	82.7	121.3	120.8	120.9	39.3	35.3
	0.25	0.19	0.20	0.18	0.26	0.20	0.19	0.19		0.21	0.18	0.20		
23:08:16	121.7	120.6	121.0	120.6	122.4	120.7	120.6	120.6	83.2	120.8	120.4	121.0	39.2	34.6
	0.36	0.28	0.31	0.27	0.36	0.29	0.28	0.28		0.31	0.27	0.30		
23:08:22	121.3	120.8	121.1	120.7	121.0	120.7	120.7	120.8	83.7	121.2	120.8	121.0	37.6	34.1
	0.48	0.38	0.41	0.37	0.48	0.39	0.38	0.38		0.41	0.37	0.40		
23:08:28	122.7	121.5	121.3	120.9	122.4	121.5	121.5	121.2	84.4	121.3	120.9	121.6	38.3	34.0
	0.61	0.49	0.51	0.46	0.62	0.50	0.49	0.48		0.52	0.46	0.51		
23:08:34	121.5	120.6	121.2	120.8	121.7	120.7	120.8	120.9	84.8	121.2	120.9	121.0	36.9	33.2
	0.73	0.58	0.62	0.56	0.73	0.59	0.59	0.58		0.62	0.56	0.61		
Sterilisation Start : 121.1 °C (Tmp 4)														
Min Sensor Overall : 85.0 °C (Tmp 9)														
23:08:46	122.7	121.7	121.5	121.2	122.4	121.6	121.7	121.5	86.0	121.5	121.2	121.8	36.7	32.7
	1.00	0.80	0.84	0.78	0.99	0.81	0.81	0.80		0.85	0.77	0.85		
23:08:56	123.3	122.2	121.8	121.5	122.8	122.1	122.3	122.0	86.9	121.9	121.5	122.3	36.4	32.3
	1.22	0.99	1.03	0.94	1.22	1.00	1.00	0.98		1.04	0.95	1.04		
Start Calculations														
Max Deviation All Sensors : 0.7 °C														
23:09:08	122.1	121.7	121.7	121.4	121.7	121.6	121.8	121.7	87.9	121.9	121.6	121.9	34.2	31.0
	1.45	1.18	1.23	1.12	1.43	1.19	1.20	1.18		1.24	1.14	1.24		
23:09:18	121.8	121.7	121.8	121.4	121.5	121.5	121.7	121.7	88.7	121.9	121.8	121.8	33.2	30.2
	1.67	1.37	1.42	1.30	1.64	1.38	1.39	1.37		1.44	1.33	1.45		
23:09:28	122.0	121.2	121.7	121.4	122.2	121.4	121.4	121.4	89.7	121.7	121.6	121.7	32.6	29.3
	1.89	1.68	1.62	1.49	1.86	1.67	1.59	1.56		1.64	1.62	1.65		
Min Sensor 1 : 121.4 °C (Tmp 1)														
23:09:34	121.8	121.4	121.7	121.4	121.3	121.2	121.5	121.5	90.4	121.8	121.6	121.6	31.4	28.5
	2.07	1.72	1.78	1.64	2.03	1.72	1.75	1.72		1.80	1.68	1.82		
Min Sensor 2 : 121.0 °C (Tmp 2)														
Min Sensor 3 : 121.5 °C (Tmp 3)														

- Stage event logging
- Configurable user colours
- Temperature summary
- Lethality management
- Calculated value display
- Logs up to 128 channels
- Location of max/min
- Include or exclude sensors

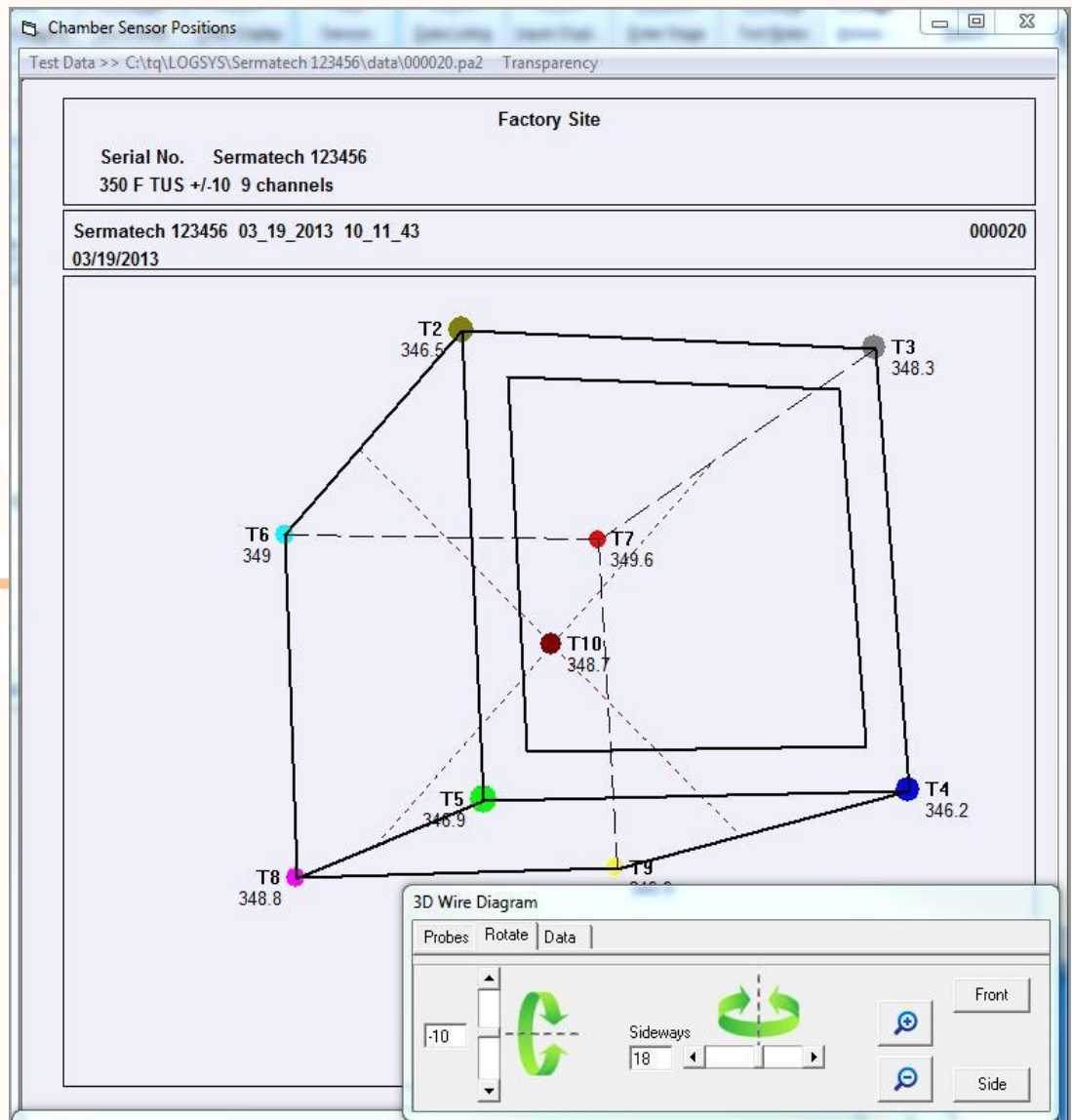
Now TQSoft can show all its standard calculations and configure I-Calcs in real time!

- When test is finished the calculations can be replayed using the chart Data Line as a slider
- Then, I-Calcs can be added, modified, or deleted, and the test replayed with the new settings
- Perfect analysis tool for all kinds of validation
- Powerful, easy, and 21CFR Part 11 compliant



TQSoft now allows validation engineers to setup and manage a 3D wire diagram of the chamber space!

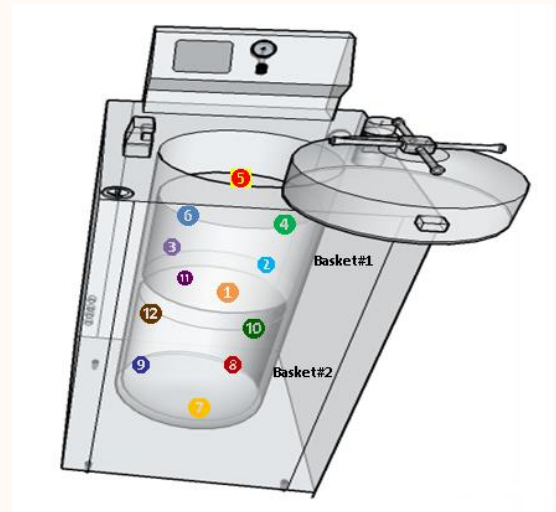
- Drag and drop sensors to their correct position in 3D space
- Completed position diagram can be rotated and magnified
- Option for real time display of measurement values in the diagram
- Option to represent temperature gradients with color shading at each sensor position
- When test is complete the real time display can be replayed with a time slider, showing temperature behaviour and anomalies in the chamber
- Completed diagrams are easily added to reports.



Thermal Validation for Autoclaves:

Thermal validation of autoclaves consists of accurately measuring the temperature at critical points within the autoclave chamber throughout the process

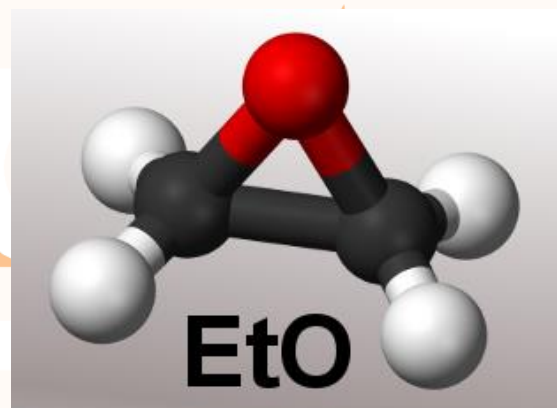
- Heat Distribution and Penetration Study
- Cold and Hot Points Detecting
- Sterilization Period Calculation (Min , Max , Sterilization Time)
- Lethality Calculations



Thermal Validation for ETO Sterilizers:

EtO sterilization is used on heat sensitive products. Consequently validation exercises must verify that temperature remains within specified parameters. Other critical parameters are pressure and humidity.

- Cycle Physical performance Analysis
- Temperature and Relative Humidity monitoring
- Pressure monitoring



Depyrogenation Validation:

The removal of pyrogens from glass and lab equipment in dry heat ovens or Tunnels is called Depyrogenation.

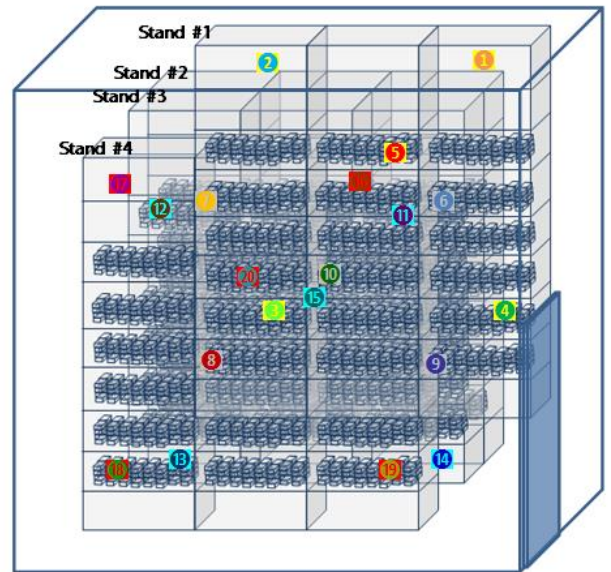
Most pyrogens are endotoxins, and although endotoxins are relatively thermally stable, a significant reduction in endotoxin levels can be achieved within a dry heat sterilizer.

- Heat Distribution and Penetration Study
- Cold and Hot Points Detecting
- Depyrogenation Period Calculation (Min , Max , Sterilization Time)
- Lethality Calculations



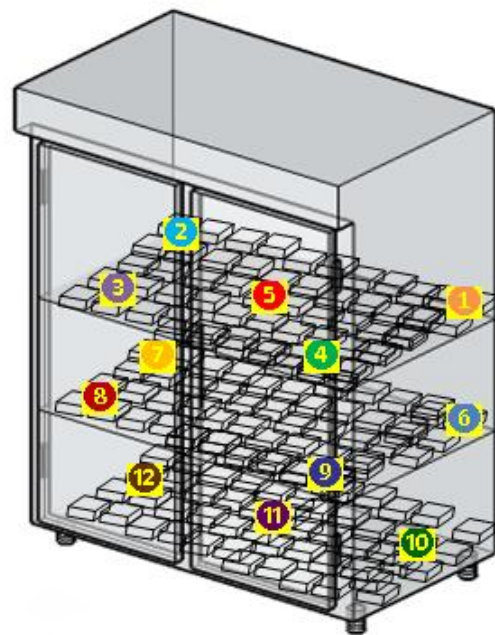
TEMPERATURE MAPPING FOR WAREHOUSES:

- Empty & With load (product)
- Summer & Winter
- External ambient temperature (outside of facility)
- Date stamp of any notable events (e.g. power failure)
- Mapped during normal operations
- Impact tests (e.g. HVAC power down, Door open tests)
- MKT (Mean Kinetic Temperature)



TEMPERATURE MAPPING FOR COLD STORES, VEHICLES, CONTAINERS, CABINETS (FRIDGES, FREEZERS, STABILITY CHAMBERS):

- Empty & With load (product)
- External ambient temperature (outside of cabinet/cold store/vehicle)
- Date stamp of any notable events (e.g. power failure)
- Impact tests (e.g. door open, Power cut)
- Mapped during normal operations



CONTACT US

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 Email : EESSCOMPANY@gmail.com



Accreditation Certificate No. (042101A)

Arab Republic of Egypt
Egyptian Accreditation Council (EGAC)

Certifies that

Calibration Laboratory
Egyptian Engineering Scientific Services

(27) Zohny Street - EL Zaher

Cairo Governorate - Egypt

ISO/IEC 17025:2017

Has been accredited by EGAC in compliance with the requirements of
In Calibration of Pressure Gauge and Temperature
Measurement Instrument

The scope of accreditation is described in the attached schedule No. (042101 B)

Scope Issue No.(01)

Issue No. (01): July 30, 2021

Valid to: July 29, 2025

Subject to continued compliance to the above standard
and the requirements of EGAC

EGAC is an ILAC MRA Signatory in the Field of Calibration, Testing, Medical Labs,
Proficiency Testing Providers and Inspection Bodies Accreditation

Eng. Hany El Desouki

Hany El Desouki

EGAC Executive Director

Nevein Gamea

Nevein Gamea

Chairman of EGAC
Minister of Trade and Industry



CERTIFICATE



Management System as per EN ISO 9001 : 2015

In accordance with TÜV AUSTRIA procedures, it is hereby certified that

EGYPTIAN ENGINEERING AND SCIENTIFIC SERVICES 27 Zohny St, Off Ramsis Street, El-Zaher CAIRO, EGYPT

Applies a Quality Management System in line with the above Standard for the following Scope

CALIBRATION SERVICES FOR PHYSICAL PARAMETER, THERMAL VALIDATION FOR STORE, COLD STORES, REFRIGERATORS, FREEZERS, COLD VEHICLES, SHIPPING CONTAINERS, STABILITY CHAMBERS, INCUBATORS, OVENS, TUNNELS, ETO STERILIZERS, AND AUTOCLAVES, VALIDATION SERVICES FOR CLEAN ROOMS AND ASSOCIATED CONTROLLED ENVIRONMENT, EQUIPMENT AND SOFTWARE VALIDATION SERVICES (IQ, OQ, PQ) OF PRODUCTION MACHINE AND LAB EQUIPMENT, UTILITIES, AND HVAC SYSTEMS.

Certificate Registration No.: 20001210006020

Valid until: 2024-04-09
Initial certification: 2018-04-10

Maria Agapitou
Head of Management Systems & Products Certification Division

Certification Body
at TÜV AUSTRIA

Athens, 2021-11-02

This certification was conducted in accordance with TÜV AUSTRIA auditing and certification procedures and is subject to regular surveillance audits.

TÜV AUSTRIA HELLAS
429, Mesogeion Ave.
GR-153 43 Athens, Greece
www.tuvaustriahellas.gr



CePRK478_A1e

Headquarters in Athens bear the responsibility of the Certification decision

002860-21-6

ZERTIFIKAT | CERTIFICATE | CERTIFICAT | CERTIFICADO | СЕРТИФИКАТ | 证书 | 인증서 | شهادة

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Ain Sudan Pvt. Ltd



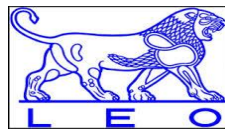
BASH Pharma



International Sutures Manufacturing



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LEO Scientific Office



ALDWALI FACTORY



Multicare Egypt for Pharmaceutical Industries



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Mifad – Misr Food Additives



Halayeb Co. For Dairy Products & Juice



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DBK Pharma



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Weiser Pharma



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شركة الإسكندرية للأدوية
والصناعات الكيماوية



Alexandria Company For
Pharmaceuticals

الشركة المصرية لحفظ وتبريد
الخضروات والفاكهة

EL Fayum Food Industries
Company (ELWADY)



National Co. For Packaging
Industries - NATPACK



Al Badr For Investments -
FROZENA



Lorenz Snack World Egypt
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Misr international for Plastic
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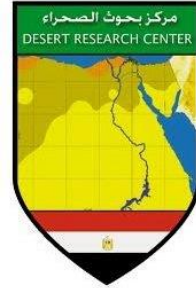


Arab Factory For Drugs
مصنع العربية للأدوية

Arab Factory for Drugs



DulexLab



Desert Research Center –
Agriculture Ministry



Safety Pack for Packing
Solution



Oryx Land For Food
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Nassera group



Rich Food



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ريري لغذاء الاطفال

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Green Valley For Food Processing



الشمعدان الصناعية الغذائية



Lacto Misr Co. for baby milk & foods



Khaled Khoshala & Partners Company



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شركة طنطا موتورز - مصنع ايماجرو



اجرو لاند للتصنيع الزراعي



Ashwa Technologies S.A.E



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المصرية الدولية للمشروبات



ريتاج للصناعات الغذائية المتطورة والتجارة



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فيمس فود للصناعات الغذائية



Mountain Nutrition S.A.E.



Flavour and Food Technologies(FFT)



الاهرام للدواجن



زاكس لادارة المشروعات

Egyptian Engineering and Scientific Services Company

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