Facility: Tunnel T1

Date: 16.02.2022

Test Procedure
SOP Demo Customer

Conf guration 1:				
Measuring Device	Serial Number	Cal. Due Date	Details	Certif cate
TSI 7301	7301-01F,73014711003	12.03.2022	0.1 ft^3/min	Page 12
TSI 7310 LH-Probe	7310-03F,73104711001	12.03.2022	1 ft^3/min	Page 13
TSI 7310 RH-Probe	7310-03F,73104711002	12.03.2022	1 ft^3/min	Page 14
DIL 546/C	5464711001	24.11.2022	0.1 ft^3/min	Page 10
Measuring Device	Serial Number	Calibrated on		Certif cate
LinearTwinScan	00099	02.12.2019		Page 11
Aerosolgenerator	ATM 228 08 15 001	08.06.2018		Page 9

User: Jean Dupont

Leakage detected: ☒ Yes ☐ No Filter rectif ed: ☐ Yes ☒ No Filter changed: ☐ Yes ☒ No

Comments:
Tunnel T1:1: failed (local) (see p. 4)

Report generated
by John Smith
on 18. August 2022

Report released by

Name (printed characters)

Signature

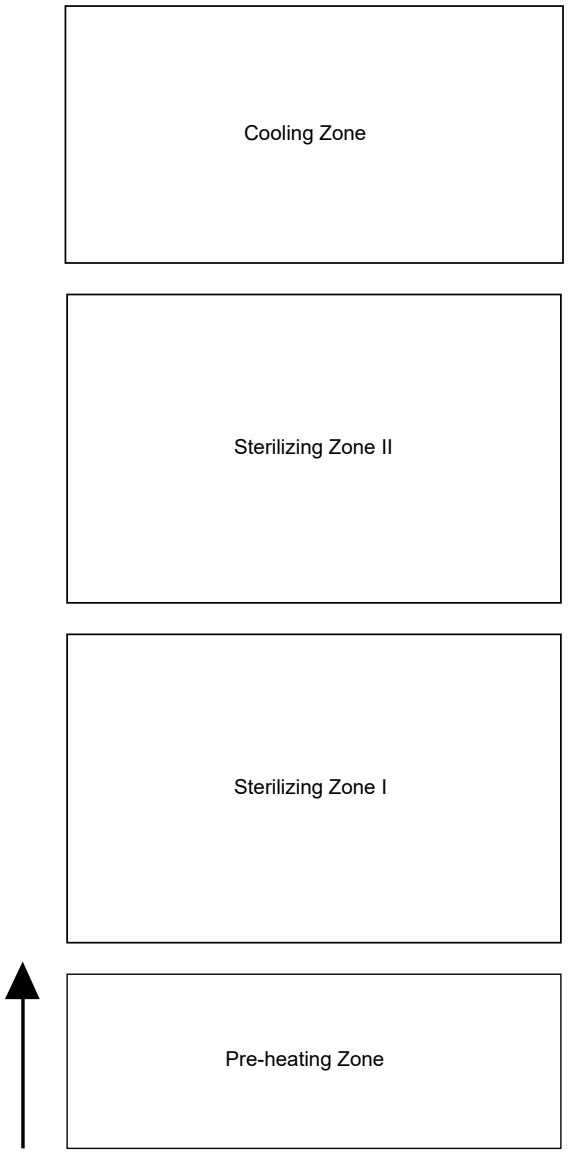
Date, Signature

Filter Class: H14 and H13	min. Filtration Ef ciency: 99.99% and 99.9%	Operating Mode: In operation

Zone-ID	User	Robot ID	Date	Duration (mm:ss)	Total Particles	Upstream Particles (0,3µm/ min)	act. Leakage Value (integral)	Leakage (local)	act. Filtration Ef ciency
Measurement environment: 42 (Page 3)									
Tunnel T1:1	Jean Dupont	00099	16.02.2022	04:33	51	16432300	0.0001%	Yes	99.9999%
Tunnel T1:2	Jean Dupont	00099	16.02.2022	07:01	44	1714351	0.0004%	No	99.9996%
Tunnel T1:3	Jean Dupont	00099	16.02.2022	07:14	88	1581778	0.0008%	No	99.9992%
Tunnel T1:4	Jean Dupont	00099	16.02.2022	07:39	13	1519992	0.0001%	No	99.9999%

Facility 42

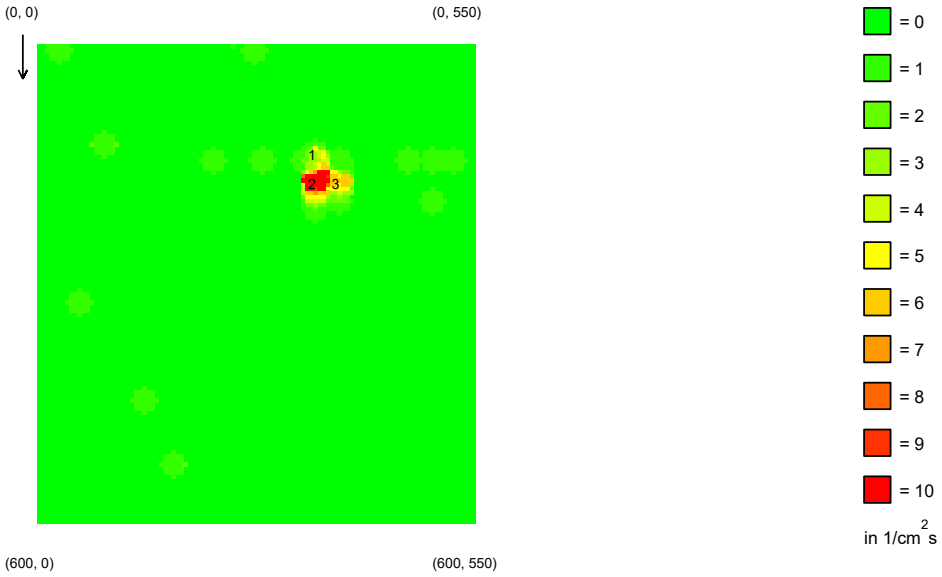
Sample Sterilizing Tunnel



Measurement environment: 42

Zone-ID/ Conf guration: Tunnel T1:1/ Conf guration 1 (LTS)

Filename: Datalog_2022_02_16_14_50_10_Demo_Customer_T1_Pre-heating_Zone_1



Measurement Details			
Installation Date	: N.A.	Type of Measurement	: Initiation check
Recording Start	: 14:50:23	Recording End	: 14:54:56
Duration	: 04:33	Probe Velocity	: 100 mm/s
Probe Overlap	: 14 %	Number of Scan Rows	: 20
Probe Diameter	: 35mm		
Robot ID	: 00099	User	: Jean Dupont
Facility Type	: Sterilizationtunnel	Filter Class	: H14
Cumulative Upstream Par.	: 74766965	act. Leakage Value (integral)	: 0.0001 %
Aerosol Conc. Max Value	: 17746800	Aerosol Conc. Max Limit	: 18897145
Aerosol Conc. Min Value	: 15775200	Aerosol Conc. Min Limit	: 13967455
Particles detected (0,3µm)	: 51	Particles allowed (0,3µm)	: 7476
Filter passed (integral)	: Yes	Dilution Factor	: 1:10
Nominal Leakage Threshold	: 6	min. Filtration Ef . (local)	: 99.9900 %
Remeasurement required	: Yes	Number of Remeasurements	: 3
Filter passed (local)	: No	Zero-count rate valid	: Yes

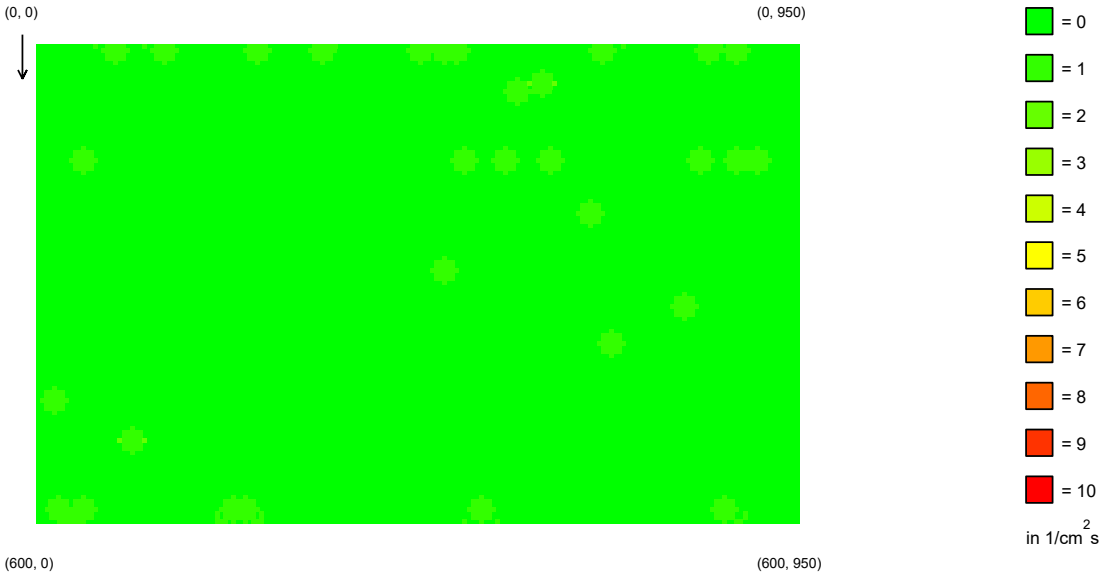
Remeasurement Details

No.	Position [mm]	Duration [s]	actual Particles	Particles Threshold	passed	Nominal particles
1	122 / 347	10	283	239	No	15
2	157 / 347	10	1082	245	No	15
3	157 / 376	10	214	233	Yes	18

Measurement environment: 42

Zone-ID/ Conf guration: Tunnel T1:2 / Conf guration 1 (LTS)

Filename: Datalog_2022_02_16_13_07_05_Demo_Customer_T1_Sterilizing_Zone_1_2

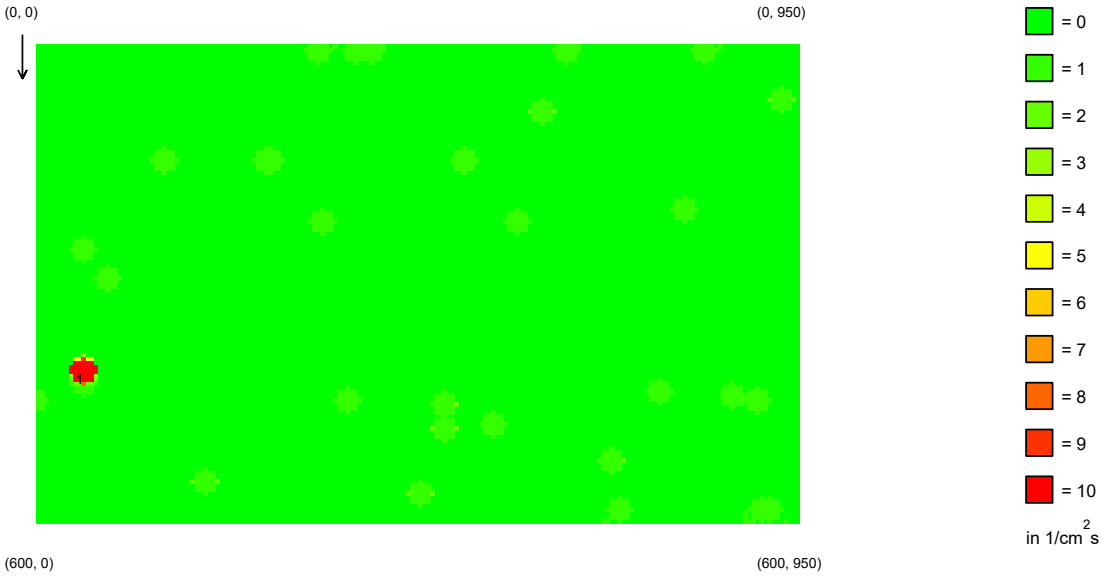


Measurement Details			
Installation Date	: N.A.	Type of Measurement	: Initiation check
Recording Start	: 13:07:28	Recording End	: 13:14:29
Duration	: 07:01	Probe Velocity	: 100 mm/s
Probe Overlap	: 14 %	Number of Scan Rows	: 33
Probe Diameter	: 35mm		
Robot ID	: 00099	User	: Jean Dupont
Facility Type	: Sterilizationtunnel	Filter Class	: H13
Cumulative Upstream Par.	: 12029030	act. Leakage Value (integral)	: 0.0004 %
Aerosol Conc. Max Value	: 1770261	Aerosol Conc. Max Limit	: 1971496
Aerosol Conc. Min Value	: 1557288	Aerosol Conc. Min Limit	: 1457206
Particles detected (0,3µm)	: 44	Particles allowed (0,3µm)	: 12029
Filter passed (integral)	: Yes	Dilution Factor	: 1:10
Nominal Leakage Threshold	: 6	min. Filtration Ef . (local)	: 99.9000 %
Remeasurement required	: No	Number of Remeasurements	: 0
Filter passed (local)	: Yes	Zero-count rate valid	: Yes

Measurement environment: 42

Zone-ID/ Conf guration: Tunnel T1:3 / Conf guration 1 (LTS)

Filename: Datalog_2022_02_16_13_28_35_Demo_Customer_T1_Sterilizing_Zone_2_3



Measurement Details			
Installation Date	: N.A.	Type of Measurement	: Initiation check
Recording Start	: 13:28:53	Recording End	: 13:36:07
Duration	: 07:14	Probe Velocity	: 100 mm/s
Probe Overlap	: 14 %	Number of Scan Rows	: 33
Probe Diameter	: 35mm		
Robot ID	: 00099	User	: Jean Dupont
Facility Type	: Sterilizationtunnel	Filter Class	: H13
Cumulative Upstream Par.	: 11441530	act. Leakage Value (integral)	: 0.0008 %
Aerosol Conc. Max Value	: 1720269	Aerosol Conc. Max Limit	: 1819033
Aerosol Conc. Min Value	: 1476290	Aerosol Conc. Min Limit	: 1344523
Particles detected (0,3µm)	: 88	Particles allowed (0,3µm)	: 11441
Filter passed (integral)	: Yes	Dilution Factor	: 1:10
Nominal Leakage Threshold	: 6	min. Filtration Ef . (local)	: 99.9000 %
Remeasurement required	: Yes	Number of Remeasurements	: 1
Filter passed (local)	: Yes	Zero-count rate valid	: Yes

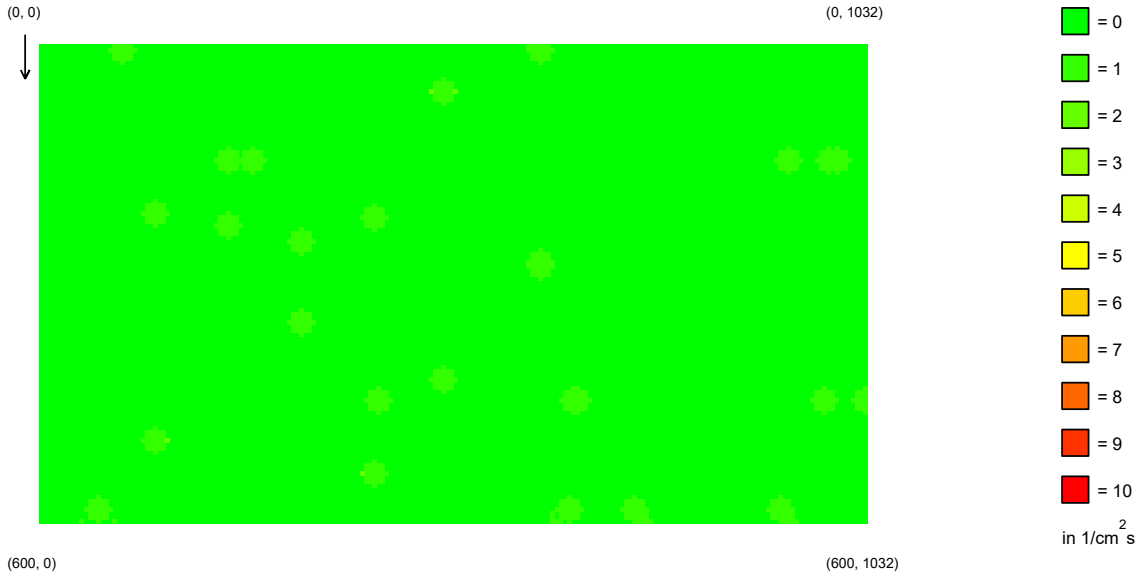
Remeasurement Details

No.	Position [mm]	Duration [s]	actual Particles	Particles Threshold	passed	Nominal particles
1	397 / 61	10	1	228	Yes	33

Measurement environment: 42

Zone-ID/ Conf guration: Tunnel T1:4 / Conf guration 1 (LTS)

Filename: Datalog_2022_02_16_13_51_07_Demo_Customer_T1_Cooling_Zone_4



Measurement Details			
Installation Date	: N.A.	Type of Measurement	: Initiation check
Recording Start	: 13:51:23	Recording End	: 13:59:02
Duration	: 07:39	Probe Velocity	: 100 mm/s
Probe Overlap	: 14 %	Number of Scan Rows	: 36
Probe Diameter	: 35mm		
Robot ID	: 00099	User	: Jean Dupont
Facility Type	: Sterilizationtunnel	Filter Class	: H13
Cumulative Upstream Par.	: 11627940	act. Leakage Value (integral)	: 0.0001 %
Aerosol Conc. Max Value	: 1690260	Aerosol Conc. Max Limit	: 1747977
Aerosol Conc. Min Value	: 1453669	Aerosol Conc. Min Limit	: 1292007
Particles detected (0,3µm)	: 13	Particles allowed (0,3µm)	: 11628
Filter passed (integral)	: Yes	Dilution Factor	: 1:10
Nominal Leakage Threshold	: 6	min. Filtration Ef . (local)	: 99.9000 %
Remeasurement required	: No	Number of Remeasurements	: 0
Filter passed (local)	: Yes	Zero-count rate valid	: Yes

Zone	Visual Inspection	Comments
Tunnel T1:1	All OK	
Tunnel T1:2	All OK	
Tunnel T1:3	All OK	
Tunnel T1:4	All OK	

Certif cate Aerosolgenerator: ATM 228 08 15 001

Certif cate
ATM 228

Certif cate DIL 546/C: 5464711001

Certif cate DIL546/C

Certif cate LinearTwinScan: 00099

Certif cate
APSS XXXXX

Certif cate TSI 7301: 7301-01F,73014711003

Certif cate TSI 7301

Certif cate TSI 7310 LH-Probe: 7310-03F,73104711001

Certificate
TSI 7310
LTS

Certif cate TSI 7310 RH-Probe: 7310-03F,73104711002

Certif cate TSI 7310