

# PERFORMANCE CERTIFICATION

FOR
Option Care - Bakersfield
5800 District Blvd.
Suite 200
Bakersfield, CA 93313



Test Date:

September 2, 2022

# **CERTIFICATION PROCEDURES**

### **CLEANROOMS/CLEAN ZONES**

#### **Particle Count**

Particle count testing was performed in accordance with ISO 14644 and followed the recommended practices in IEST-RP-006 and CETA Guidelines.

All data collected and calculations are presented in the individual component reports submitted with this document.

**Test Instruments:** 

Laser Particle Counter - Climet model CI-150T, serial #131729; calibrated 3/2/22

#### Air Flow

All HEPA filters were measured and adjusted for airflow in accordance with ISO 14644-1, and IEST-RP-006.

**Test Instruments:** 

AirData Multimeter - Shortridge Model ADM-860C, serial #M15523; Calibrated 6/8/22

#### **Pressure Differential**

All rooms were measured for pressure differential in accordance with IEST-RP-006.

**Test Instruments:** 

AirData Multimeter - Shortridge Model ADM-860C, serial #M15523; Calibrated 6/8/22

#### **HEPA Filter Integrity Test**

As required, HEPA filters were scanned for leaks following the recommended practices in IEST-RP-0006.

All data collected and calculations are presented in the individual component reports submitted with this document.

**Test Instruments:** 

Photometer - ATI Model TDA-2i, serial #23806; Calibrated 1/28/22

### **Laminar Flow Benches**

### **Particle Count**

Particle count testing was performed in accordance with the recommended practices in IEST-RP-006.

All data collected and calculations are presented in the individual component reports submitted with this document.

**Test Instruments:** 

Laser Particle Counter - Climet model CI50T, serial #131729; calibrated 3/2/22

### **HEPA Filter Integrity Test**

As required, HEPA filters were scanned for leaks following the recommended practices in IEST-RP-006.

All data collected and calculations are presented in the individual component reports submitted with this document.

**Test Instruments:** 

Photometer - ATI Model TDA-2i, serial #23806; Calibrated 1/28/22 Aerosol Generator – ATI Model TDA-4BL (calibration not required) PAO was used as the aerosol

#### Air Flow

Clean flow benches were measured and adjusted for airflow in accordance with IEST-RP-006 and IEST-RP-002. All data collected and calculations are presented in the individual component reports submitted with this document.

Test Instruments:

Thermal Anemometer - TSI Model 9545A, serial #1615003; Calibrated 8/24/22

### **Biological Safety Cabinet - Chemo**

#### **Particle Count**

Particle count testing was performed in accordance with the recommended practices in IEST-RP-006.

All data collected and calculations are presented in the individual component reports submitted with this document.

**Test Instruments:** 

Laser Particle Counter - Climet model CI50T, serial #131729; calibrated 3/2/22

### **HEPA Filter Integrity Test**

As required, HEPA filters were scanned for leaks following the recommended practices in IEST-RP-0006.

All data collected and calculations are presented in the individual component reports submitted with this document.

**Test Instruments:** 

Photometer - ATI Model TDA-2i, serial #23806; Calibrated 1/28/22 Aerosol Generator – ATI Model TDA-4BL (calibration not required) PAO was used as the aerosol

#### Air Flow

The Biological Safety Cabinet was measured and adjusted for airflow in accordance with IEST-RP-006. All data collected and calculations are presented in the individual component report submitted with this document.

**Test Instruments:** 

Thermal Anemometer - TSI Model 9545A, serial #1615003; Calibrated 8/24/22

# ENVIRONMENTAL COMPLIANCE

We hereby certify that the results recorded as part of this document are correct and accurate. Therefore, we certify that the subject cleanrooms/clean zones have met the requirements of ISO 14644, CETA Guidelines including CAG-003, and IEST Recommended Practices as established in this report.

Signature:

Arne Gjertsen RCCP-SC #1114

Date: 9/2/22

# **Airflow Smoke Pattern Test**

Option Care – Bakersfield September 2, 2022

### Objective:

To perform airflow smoke pattern tests on the Laminar Flow Benches at the above mentioned Option Care facility. Smoke pattern shall be observed in both static and dynamic conditions.

Smoke shall be generated on the downstream side of the HEPA diffuser 6" from the HEPA filters and 6" in front the work area. The pattern should be unidirectional flowing outward and from the workstation and not influenced by the operators' process.

Smoke shall be generated in each of the Laminar Flow benches to assure no reflux back up onto the work surface.

Smoke shall be generated above the operators' head to assure no ingress (reflux) back into the work station from in front of the operator.

The smoke pattern shall be filmed and observed, with narrative, looking for unidirectional airflow, reflux, turbulence and dead spots as stated above.

An Antari smoke generator shall be used with a glycol based fog fluid. The fluid provides smoke with a density slightly lighter than air, as shown at the conclusion of the smoke study film.

### **Smoke study comments:**

- Good unidirectional airflow was observed at each workstation location.
- Good split of air at table was observed at each workstation.
- No reflux was observed at front edge of panels.
- No reflux was observed at back side of workstations.
- No reflux around perimeter nor over operators' head was observed
- PEC: NuAire Hood #1 Smoke study validates 1 person compounding maintains unidirectional airflow
- PEC: NuAire Hood #2 moke study validates 1 person compounding maintains unidirectional airflow
- PEC: NuAire Hood #3 Smoke study validates 1 person compounding maintains unidirectional airflow

0	
Conc	lusion
COLLO	usion

All of the workstations showed good unidirectional flow, good splits at table, no edicurrents, and no turbulence nor reflux, as shown in the attached DVD, and pass this smoke test.

Date: 9/2/22

Signed:\_

Arne Gjertsen

# **Cleanroom Performance Test Report**

Customer:

**Option Care Bakersfield** 

Dimensions:

98 square feet

Date:

9/2/2022

Volume:

882 cubic feet

Room ID: Class: Ante Room

Test Status:

Dynamic

**Particle Count** 

Locations required: Particle Size

5 >0.5

Location 1

Readings:

1,942.3 Particle/M³ 1,447.9 Particle/M³

2

1,447.9 Particle/M³ 4,308.4 Particle/M³

3 4

2,542.7 Particle/M³

5

529.7 Particle/M³

Maximum Count-

352,000 Particle/M3

Pass/Fail

**Pass** 

**Air Flow** 

Filter 1 Read 1 74 Read 2 91

Avg. FPM Sq. Feet

7.25

CFM 598

Air Change:

30.0 /hour

Recommended= Actual=

40.7 /hour

Pass/Fail

**Pass** 

Total CFM =

82.5

598

**Filter Integrity Test** 

No scanned leaks shall be greater than 0.01%

Filter# Int. Ref. Leak Repaired Pass/Fail Prev. patch
1 34 <0.01% No Pass None

Signature:

Date:

9/2/22

See Test Summary Sheet for instrument data & sketches for ID locations

# **Cleanroom Performance Test Report**

Customer:

Room ID:

Option Care Bakersfield

Date:

Class:

9/2/2022

**Buffer Zone** 

7

Dimensions:

Volume:

314 square feet 2826 cubic feet

Test Status:

Dynamic

### **Particle Count**

Locations required:
Particle Size

8 >0.5 micron Location 2

Readings: 812.2 Particle/M³

847.6 Particle/M3 3 459.1 Particle/M3 4

1,553.8 Particle/M3 5 529.7 Particle/M3 6 1,624.5 Particle/M3

7 20,659.1 Particle/M3 8 1,165.4 Particle/M3

Maximum count-

352,000 Particle/M3

Pass/Fail

**Pass** 

Air		014
<u> AII</u>	П	OW

Air Chang	e:
Recomme	nded=
Actual-	

30.0 /hour 45.3 /hour Filter 1 2 3

90 112 99

Read 1

Sq. Feet 91.0 108.0 95.0

Avg. FPM

7.25 7.25 7.25

660 783 689

CFM

Pass/Fail

**Pass** 

Total CFM =

2,132

### **Filter Integrity Test**

No scanned leaks shall be greater than 0.01%

Filter#	Int. Ref.	Leak	Repaired	Pass/Fail	Prev. patch
1	31	<0.01%	No	Pass	No
2	26	<0.01%	No	Pass	No
3	29	<0.01%	No	Pass	No

Signature:

Date:

9/2/22

See Test Summary Sheet for instrument data & sketches for ID locations

# **Cleanroom Performance Test Report**

Customer:

Room ID:

Option Care Bakersfield

Date:

Class:

9/2/2022

Chemo Room

Cł 7 Dimensions:

Volume:

49 square feet 441 cubic feet

Test Status:

Dynamic

**Particle Count** 

Locations required:

Particle Size

5

>0.5 micron

Location 1

Readings:

2

2,366.1 Particle/M<sup>3</sup>

3

1,236.0 Particle/M<sup>3</sup> 600.3 Particle/M<sup>3</sup>

4

1,730.4 Particle/M<sup>3</sup>

5

706.3 Particle/M³

Maximum UCL =

352,000 Particle/M3

Pass/Fail

**Pass** 

**Air Flow** 

Filter 1 Read 1 70

Avg. FPM Sq. Feet

3.25

CFM 228

Air Change:

Recommended=

30.0 /hour

Actual=

31.0 /hour

Pass/Fail

**Pass** 

Total CFM =

70.0

228

**Filter Integrity Test** 

No scanned leaks shall be greater than 0.01%

Filter# Int. Ref. Leak Repaired Pass/Fail Prev. patch
1 89 <0.01% No Pass No

Signature:

Date:

9/2/22

See Test Summary Sheet for instrument data & sketches for ID locations

## **Safety Cabinet Performance Test Report**

Customer:

Option Care Bakersfield

Date:

9/2/2022

Manufacturer

Nuaire

Model # NU-425-400

Serial # 131712070809

Class: 5

Test Status: Dynamic

<u> Pa</u>	rti	C	е	C	0	u	n	t

Locations required:	5	Location	Readings:
Particle Size	>0.5	1	35.3 Particle/M³
		2	0.0 Particle/M³
		3	0.0 Particle/M³
		4	0.0 Particle/M³
		5	0.0 Particle/M³

Maximum Count-

3,520 Particle/M3

Pass/Fail

**Pass** 

1-

2-

3-

59

56

58

56

5-

6-

7-

8-

55

58

60

62

9-

10-

11-

12-

60

60

62

60

### **Down Flow Air Readings**

Requirement:

55-65

FPM Readings:		
Avg. Velocity =	58.8	

Pass/Fail:

**Pass** 

### Inflow Velocity - Restricted Sash Method

Intake Velocity @ 8"sash= (279 fpm x0.97/ 2.58) =

Average FPM=	279	1-	290	5-	266
		2-	296	6-	279
		3-	260	7-	284

4- 279

104.9 FPM

278

Required Intake Veleocity-

100-120

Eilten Internit	. T t		11112
Filter Integrity	/ lest		
Exhaust HEPA:		No occurred leaks are story.	
Int. Ref. Pass/Fail :	50 <b>Pass</b>	No scanned leaks greater than 0.01%	
Supply HEPA:	Combined with Exhaust Calc		
Int. Ref. Pass/Fail :	44 Pass	No scanned leaks greater than 0.01%	
Smoke test perfo	ormed per NSF 49: <b>PASS</b>		

Date: 9/2/22

See Test Summary Sheet for instrument data

Signature:

# **Clean Flow Hood Performance Test Report**

Customer:

Manufacturer:

Option Care - Bakersfield

Date:

9/2/2022

Nuaire #3

Model #

NU-301-630

Serial #

131656070709

Class: 5

Test Status: Dynamic

Particle Count							
					Location	Re	eadings:
Locations required:		5			1	35.3 Pa	article/M <sup>3</sup>
Particle Size		>0.5			2	0.0 Pa	article/M <sup>3</sup>
					3	0.0 Pa	article/M³
					4	0.0 Pa	article/M³
					5		article/M³
Maximum count-		3,520 Pa	article/M³			155.70 t 07	
Pass/Fail	Pass						
Air Flow			y				
Requirement: 8	0-100 FPM						
Avg. Velocity =	92.7	FPM Readin	ıgs:				
Pass/Fail :	Pass	1-	85	6-	95	11-	101
		2-	82	7-	100	12-	88
		3-	84	8-	94	13-	101
Measured Values: A	vg. +/- 20%	4-	86	9-	83	14-	96
Min. value =	74.2	5-	100	10-	98	15-	98
Max. value =	111.3						50
Pass/Fail :	Pass						

		_
HIITAR	Integrity	TAC
I IIICI	IIILEGIILV	1 62

13.8 Sq. ft.

No scanned leaks shall be greater than 0.01%

Int. Ref.	Leak	Repaired	Pass/Fail	Prev. patch
16	<0.01%	No	Pass	No

Signature:

Date:

9/2/22

See Test Summary Sheet for instrument data.

# **Clean Flow Hood Performance Test Report**

Customer:

Manufacturer:

Option Care - Bakersfield

Date:

9/2/2022

Nuaire #1

Model #

NU-301-630

Serial #

131658070709

Class:

ss: 5

Test Status: Dynamic

<b>Particle Count</b>							
Locations required Particle Size	l:	5 >0.5		L	ocation 1 2 3	0.0 Pa 0.0 Pa	eadings: article/M³ article/M³
Maximum count- Pass/Fail		3,520 Part Pass	ticle/M³		4 5		article/M³ article/M³
Air Flow							
Requirement:	80-100 FPM						
Avg. Velocity =	91.0	FPM Readings	s:				
Pass/Fail:	Pass	1-	87	6-	99	11-	102
		2-	94	7-	83	12-	98
		3-	83	8-	99	13-	93
Measured Values:	10 TO	4-	84	9-	89	14-	92
Min. value =	72.8	5-	84	10-	86	15-	92
Max. value =	109.2						
Pass/Fail:	Pass						

F:14 1	14-		-
<u>Filter</u>	INTE	aritv	I ACI
		MILLA	1 63

13.8 Sq. Ft.

No scanned leaks shall be greater than 0.01%

Int. Ref.	Leak	Repaired	Pass/Fail	Prev. patch
16	<0.01%	No	Pass	No

Signature:

Date:

9/2/22

See Test Summary Sheet for instrument data.

# Clean Flow Hood Performance Test Report

Customer:

Manufacturer:

Option Care - Bakersfield

Date:

9/2/2022

Nuaire

Model#

S201-830

Serial #

168186042115

Class:

Test Status: Dynamic

Particle Count							
Locations required:		5			Location		eadings:
Particle Size		>0.5			1		article/M³
		<b>~0.5</b>			2		article/M³
					3		article/M³
					4 5		article/M³
Maximum count-		3,520 Particl	e/M³		3	0.0 Pa	article/M³
Pass/Fail		Pass					
Air Flow							
Requirement: 80-	100 FPM						
Avg. Velocity =	92.0	FPM Readings:					
Pass/Fail:	Pass	1-	89	9-	92	17-	91
		2-	89	10-	94	18-	97
		3-	90	11-	87	19-	97
Measured Values: Avg		4-	86	12-	95	20-	96
Min. value =	73.6	5-	89	13-	100	21-	96
Max. value =	110.4	6-	92	14-	102	22-	83
Pass/Fail :	Pass	7-	84	15-	91	23-	84
		8-	88	16-	94	24-	102

### Filter Integrity Test

No scanned leaks shall be greater than 0.01%

	Int. Ref.	Leak	Repaired	Pass/Fail	Prev. patch
Left Side	23	<0.01%	No	Pass	No
Right Side	23	<0.01%	No	<b>Pass</b>	No

Signature:

Date:

9/2/22

See Test Summary Sheet for instrument data.

### Viable Air and Surface Sampling

Option Care - Bakersfield

Viable air sampling and Surface sampling was performed, under dynamic conditions, in accordance with USP<797> in order to evaluate the airborne microorganisms in the controlled Class 5 Laminar Flow benches, the Class 7 Buffer Zone, the Class 7 Chemo room and the Class 7 Ante room as per attached Sample Plan.

Both Tryptic Soy Agar and Malt Extract Agar were used in all of the Classified zones.

A SAS air sampling device was used for the air sampling and 1000 liters of air was used for each of the media tests.

The test samples were taken on September 2, 2022 and delivered to Aerobiology Laboratory for analysis.

The results are attached, in Lab Reports #22036095. All of the tests were within the allowable CFU and passed except air sample locations #44, #46, #48 & #50.

Those sample locations were retested on September 12, 2022 and air sample locations #44(1) & #46(3) failed again as per Lab Report 2237147. Those locations were retested on September 23, 2022 and both locations failed as per Lab Report 22039280.

Option Care is removing the solid state refrigerator from the room and CRP will then recertify the NPR room and Ante room and retest the Viable Sampling

A SAS Model DUO 360; s/n 21-D-16717 calibrated 5/6/22 was used for all tests.

Manufacturer - Hardy Diagnostics:

Air Sample Media

Tryptic Soy: Lot #511172P, Exp.11/1/22; MEA: Lot #506696P, Exp. 10/6/22

Surface Sample Media

Tryptic Soy: Lot #11729P, Exp.11/10/22; MEA: Lot #510706, Exp. 10/25/22

Signature:

Arne Giertsen

Date:

9/28/22



15061 Springdale St Suite 111 Huntington Beach, CA 92649 7148958401

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Cleanrooms Plus 1587 Sim Place Anaheim CA, 92802 Attn: Arne Gjertsen

**Project: Option Care Bakersfield** 

Condition of Sample(s) Upon Receipt: Acceptable

 Date Collected:
 9/2/2022

 Date Received:
 9/2/2022

 Date Analyzed:
 9/7/2022

 Date Reported:
 9/8/2022

 Project ID:
 22036095

AeroMetric 797<sup>TM</sup> Results Summary Sheet

Sample Location	Class	Matrix	Pass	Acpt	0.0.C.	Cause
1: Class 5 LFB	5	S	1 433	Асрі	O.O.C.	Cause
2: Class 5 LFB	5	S				
3: Class 5 LFB	5	S				
4: Class 5 LFB	5	S				
5: Class 5 LFB	5	S				
6: Class 5 LFB	5	S				
7: Class 5 LFB	5	S				
8: Class 5 LFB	5	S				
9: Class 5 BSC	5	S				
10: Class 5 BSC	5	S				
11: Class 7 Buffer Zone	7	S				
12: Class 7 Buffer Zone	7	S				
13: Class 7 Buffer Zone	7	S				
14: Class 7 Buffer Zone	7	S				
15: Class 7 Buffer Zone	7	S				
16: Class 7 Buffer Zone	7	S				
17: Class 7 NPR	7	S	-0 m(800-39) (a)0 - 20			
18: Class 7 NPR	7	S				
19: Class 7 Ante Room	7	S				
20: Class 7 Ante Room	7	S				
21: Class 7 Ante Room	7	S	***			
22: Class 7 Ante Room	7	S				
23: Class 5 LFB Touchscreen	5	S				
24: Class 5 LFB Touchscreen	5	S				
25: Class 5 LFB Touchscreen	5	S				
26: Class 5 LFB Touchscreen	5	S				
27: Class 5 LFB Touchscreen	5	S				
28: Class 5 LFB Touchscreen	5	S				
29: Class 7 NPR Refrigerator	7	S				
30: Class 7 NPR Refrigerator	7	S				
31: Class 5 LFB	5	Α				
32: Class 5 LFB	5	Α				
33: Class 5 LFB	5	Α				
34: Class 5 LFB	5	Α				
35: Class 5 LFB	5	Α				
36: Class 5 LFB	5	Α				
37: Class 5 LFB	5	Α				
38: Class 5 LFB	5	Α				
39: Class 5 BSC	5	Α				
40: Class 5 BSC	5	Α				
41: Class 7 Buffer Zn	7	Α				
42: Class 7 Buffer Zn	7	Α				
43: Class 7 Buffer Zone	7	Α	What was			



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Cleanrooms Plus 1587 Sim Place Anaheim CA, 92802 Attn: Arne Gjertsen Project: Option Care Bakersfield

Condition of Sample(s) Upon Receipt: Acceptable

Date Collected:	9/2/2022
Date Received:	9/2/2022
Date Analyzed:	9/7/2022
Date Reported:	9/8/2022
Project ID:	22036095
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44: Class 7 Buffer Zone	7	Α	Presence of actionable microorganisms
45: Class 7 Buffer NPR	7	Α	A reserved of detroridable filleroofganisms
46: Class 7 Buffer NPR	7	Α	Presence of actionable microorganisms
47: Class 7 Ante Room	7	Α	reserved of detrollable filleroorganisms
48: Class 7 Ante Room	7	Α	Presence of actionable microorganisms
49: Class 7 Ante Room	7	Α	reserve of actionable microorganisms
50: Class 7 Ante Room	7	Α	Presence of actionable microorganisms
51: Control / Operator Handling Lot#511172P, Exp: 11-1-22	NA	A	, reserved of actionable microorganisms
52: Control Lot#509696P, Exp: 10-6-22	NA	Α	
53: Control Lot#511729P, Exp: 11-10-22	NA	S	
54: Control Lot#510706, Exp: 10-25-22	NA	S	

No growth of microorganisms. Sample in compliance with USP 797 and CAG-009 guidance documents. Growth of microorganisms. Sample in compliance with USP 797 and CAG-009 guidance documents. O.O.C. - Out of Compliance. Unacceptable concentrations or presence of actionable microorganisms. Sample not in compliance with USP 797 and CAG-009 guidance documents. Sample results not applicable to USP 797 and CAG-009 guidance documents.

Matrix\* - A: Air S: Surface



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Cleanrooms Plus
1587 Sim Place
Anaheim CA, 92802
Attn: Arne Gjertsen
Project: **Option Care Bakersfield**Condition of Sample(s) Upon Receipt: Acceptable

 Date Received:
 9/2/2022

 Date Analyzed:
 9/7/2022

 Date Reported:
 9/8/2022

 Project ID:
 22036095

Date Collected:

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9/2/2022

Client Sample #: 1

Sample Location: Class 5 LFB

Test: 1104 USP 797 Culture, Surface, Bacterial Counts with ID: SOP 2.23

Results: No Growth
Comments: Pass

Lab Sample #: 22036095-001

Area: 25 cm2 MRL: 1 CFU/25cm2

Client Sample #: 2

Sample Location: Class 5 LFB

Test: 1106 USP 797 Culture, Surface, Fungal Counts with ID: SOP 3.9

Results: No Growth
Comments: Pass

Lab Sample #: 22036095-002

Area: 25 cm2 MRL: 1 CFU/25cm2

Client Sample #: 3

Sample Location: Class 5 LFB

Test: 1104 USP 797 Culture, Surface, Bacterial Counts with ID: SOP 2.23

Results: No Growth
Comments: Pass

Lab Sample #: 22036095-003

Area: 25 cm2

MRL: 1 CFU/25cm2

Client Sample #: 4

Sample Location: Class 5 LFB

Test: 1106 USP 797 Culture, Surface, Fungal Counts with ID: SOP 3.9

Results: No Growth
Comments: Pass

Lab Sample #: 22036095-004

Area: 25 cm2

MRL: 1 CFU/25cm2

Client Sample #: 5

Sample Location: Class 5 LFB

Test: 1104 USP 797 Culture, Surface, Bacterial Counts with ID: SOP 2.23

Results: No Growth
Comments: Pass

Lab Sample #: 22036095-005

Area: 25 cm2

MRL: **1 CFU/25cm2** 

Client Sample #: 6

Sample Location: Class 5 LFB

Test: 1106 USP 797 Culture, Surface, Fungal Counts with ID: SOP 3.9

Results: No Growth
Comments: Pass

Lab Sample #: 22036095-006

Area: 25 cm2

MRL: 1 CFU/25cm2

Client Sample #: 7

Sample Location: Class 5 LFB

Test: 1104 USP 797 Culture, Surface, Bacterial Counts with ID: SOP 2.23

Results: No Growth
Comments: Pass

Lab Sample #: 22036095-007

Area: 25 cm2 MRL: 1 CFU/25cm2



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Date Collected:

Date Received:

Date Analyzed:

Date Reported:

Project ID:

Cleanrooms Plus
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Anaheim CA, 92802
Attn: Arne Gjertsen
Project: **Option Care Bakersfield**Condition of Sample(s) Upon Receipt: Acceptable

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9/2/2022

9/2/2022

9/7/2022

Client Sample #: 8

Sample Location: Class 5 LFB

Test: 1106 USP 797 Culture, Surface, Fungal Counts with ID: SOP 3.9

Results: No Growth
Comments: Pass

Client Sample #: 9

Sample Location: Class 5 BSC

Test: 1104 USP 797 Culture, Surface, Bacterial Counts with ID: SOP 2.23

Results: No Growth
Comments: Pass

Client Sample #: 10

Sample Location: Class 5 BSC

Test: 1106 USP 797 Culture, Surface, Fungal Counts with ID: SOP 3.9

Results: No Growth
Comments: Pass

Client Sample #: 11

Sample Location: Class 7 Buffer Zone

Test: 1104 USP 797 Culture, Surface, Bacterial Counts with ID: SOP 2.23

Results: No Growth Comments: Pass

Client Sample #: 12

Sample Location: Class 7 Buffer Zone

Test: 1106 USP 797 Culture, Surface, Fungal Counts with ID: SOP 3.9

Results: No Growth
Comments: Pass

Client Sample #: 13

Sample Location: Class 7 Buffer Zone

Test: 1104 USP 797 Culture, Surface, Bacterial Counts with ID: SOP 2.23

Results: No Growth
Comments: Pass

Client Sample #: 14

Sample Location: Class 7 Buffer Zone

Test: 1106 USP 797 Culture, Surface, Fungal Counts with ID: SOP 3.9

Results: No Growth
Comments: Pass

Lab Sample #: 22036095-008

Area: 25 cm2 MRL: 1 CFU/25cm2

Lab Sample #: 22036095-009

Area: 25 cm2 MRL: 1 CFU/25cm2

Lab Sample #: 22036095-010

Area: 25 cm2

MRL: 1 CFU/25cm2

Lab Sample #: 22036095-011

Area: 25 cm2

MRL: 1 CFU/25cm2

Lab Sample #: 22036095-012

Area: 25 cm2

MRL: 1 CFU/25cm2

Lab Sample #: 22036095-013

Area: 25 cm2

MRL: 1 CFU/25cm2

Lab Sample #: 22036095-014

Area: 25 cm2

MRL: 1 CFU/25cm2



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Anaheim CA, 92802
Attn: Arne Gjertsen
Project: **Option Care Bakersfield**Condition of Sample(s) Upon Receipt: Acceptable

Date Collected:
Date Received:
Date Analyzed:
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Project ID:

9/7/2022 9/8/2022 22036095

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Client Sample #: 15

Sample Location: Class 7 Buffer Zone

Test: 1104 USP 797 Culture, Surface, Bacterial Counts with ID: SOP 2.23

Results: No Growth
Comments: Pass

Client Sample #: 16

Sample Location: Class 7 Buffer Zone

Test: 1106 USP 797 Culture, Surface, Fungal Counts with ID: SOP 3.9

Results: No Growth
Comments: Pass

Client Sample #: 17

Sample Location: Class 7 NPR

Test: 1104 USP 797 Culture, Surface, Bacterial Counts with ID: SOP 2.23

Results: No Growth
Comments: Pass

Client Sample #: 18

Sample Location: Class 7 NPR

Test: 1106 USP 797 Culture, Surface, Fungal Counts with ID: SOP 3.9

Results: No Growth
Comments: Pass

Client Sample #: 19

Sample Location: Class 7 Ante Room

Test: 1104 USP 797 Culture, Surface, Bacterial Counts with ID: SOP 2.23

Results: No Growth
Comments: Pass

Client Sample #: 20

Sample Location: Class 7 Ante Room

Test: 1106 USP 797 Culture, Surface, Fungal Counts with ID: SOP 3.9

Results: No Growth
Comments: Pass

Client Sample #: 21

Sample Location: Class 7 Ante Room

Test: 1104 USP 797 Culture, Surface, Bacterial Counts with ID: SOP 2.23

Results: No Growth
Comments: Pass

Lab Sample #: 22036095-015

Area: 25 cm2 MRL: 1 CFU/25cm2

Lab Sample #: 22036095-016

Area: 25 cm2

MRL: 1 CFU/25cm2

Lab Sample #: 22036095-017

Area: 25 cm2 MRL: 1 CFU/25cm2

Lab Sample #: 22036095-018

Area: 25 cm2
MRL: 1 CFU/25cm2

WINE. I CFO/25CM2

Lab Sample #: 22036095-019

Area: 25 cm2

MRL: 1 CFU/25cm2

Lab Sample #: 22036095-020

Area: 25 cm2

MRL: 1 CFU/25cm2

Lab Sample #: 22036095-021

Area: 25 cm2

MRL: 1 CFU/25cm2



15061 Springdale St Suite 111 Huntington Beach, CA 92649 7148958401

Cleanrooms Plus
1587 Sim Place
Anaheim CA, 92802
Attn: Arne Gjertsen
Project: **Option Care Bakersfield**Condition of Sample(s) Upon Receipt: Acceptable

Date Collected:
Date Received:
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Client Sample #: 22

Sample Location: Class 7 Ante Room

Test: 1106 USP 797 Culture, Surface, Fungal Counts with ID: SOP 3.9

Results: No Growth
Comments: Pass

Area: 25 cm2

Lab Sample #: 22036095-022

Client Sample #: 23

Sample Location: Class 5 LFB Touchscreen

Test: 1104 USP 797 Culture, Surface, Bacterial Counts with ID: SOP 2.23

Results: No Growth
Comments: Pass

Lab Sample #: 22036095-023

Area: 25 cm2
MRL: 1 CFU/25cm2

MRL: 1 CFU/25cm2

Client Sample #: 24

Sample Location: Class 5 LFB Touchscreen

Test: 1106 USP 797 Culture, Surface, Fungal Counts with ID: SOP 3.9

Results: No Growth
Comments: Pass

Lab Sample #: 22036095-024

Area: 25 cm2 MRL: 1 CFU/25cm2

Client Sample #: 25

Sample Location: Class 5 LFB Touchscreen

Test: 1104 USP 797 Culture, Surface, Bacterial Counts with ID: SOP 2.23

Results: No Growth
Comments: Pass

Lab Sample #: 22036095-025

Area: 25 cm2
MRL: 1 CFU/25cm2

Client Sample #: 26

Sample Location: Class 5 LFB Touchscreen

Test: 1106 USP 797 Culture, Surface, Fungal Counts with ID: SOP 3.9

Results: No Growth
Comments: Pass

Lab Sample #: 22036095-026

Area: 25 cm2
MRL: 1 CFU/25cm2

IVIRL: 1 CFU/25cm2

Client Sample #: 27

Sample Location: Class 5 LFB Touchscreen

Test: 1104 USP 797 Culture, Surface, Bacterial Counts with ID: SOP 2.23

Results: No Growth
Comments: Pass

Lab Sample #: 22036095-027

Area: 25 cm2
MRL: 1 CFU/25cm2

Client Sample #: 28

Sample Location: Class 5 LFB Touchscreen

Test: 1106 USP 797 Culture, Surface, Fungal Counts with ID: SOP 3.9

Results: No Growth
Comments: Pass

Lab Sample #: 22036095-028

Area: 25 cm2 MRL: 1 CFU/25cm2



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Client Sample #: 29

Sample Location: Class 7 NPR Refrigerator

Test: 1104 USP 797 Culture, Surface, Bacterial Counts with ID: SOP 2.23

Results: No Growth Comments: Pass

Client Sample #: 30

Sample Location: Class 7 NPR Refrigerator

Test: 1106 USP 797 Culture, Surface, Fungal Counts with ID: SOP 3.9

Results: No Growth Comments: Pass

Client Sample #: 31

Sample Location: Class 5 LFB

Test: 1107 USP 797 Culture, Air, Bacterial Counts with ID: SOP 2.2

Results: No Growth

Comments: Pass

Client Sample #: 32

Sample Location: Class 5 LFB

Test: 1108 USP 797 Culture, Air, Fungal Counts with ID: SOP 3.2

Results: No Growth

Comments: Pass

Client Sample #: 33

Sample Location: Class 5 LFB

Test: 1107 USP 797 Culture, Air, Bacterial Counts with ID: SOP 2.2

Results: No Growth

Comments: Pass

Client Sample #:

Sample Location: Class 5 LFB

Test: 1108 USP 797 Culture, Air, Fungal Counts with ID: SOP 3.2

Results: No Growth

Comments: Pass

Lab Sample #: 22036095-029

Area: 25 cm2 MRL: 1 CFU/25cm2

Lab Sample #: 22036095-030

Area: 25 cm2

MRL: 1 CFU/25cm2

Lab Sample #: 22036095-031

Air Volume: 1000 L Positive Hole: 219 MRL: 1 CFU/m3

Lab Sample #: 22036095-032

Air Volume: 1000 L Positive Hole: 219 MRL: 1 CFU/m3

Lab Sample #: 22036095-033

Air Volume: 1000 L Positive Hole: 219 MRL: 1 CFU/m3

Lab Sample #: 22036095-034

> Air Volume: 1000 L Positive Hole: 219 MRL: 1 CFU/m3



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Project: Option Care Bakersfield

Condition of Sample(s) Upon Receipt: Acceptable

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Client Sample #: 35

Sample Location: Class 5 LFB

Test: 1107 USP 797 Culture, Air, Bacterial Counts with ID: SOP 2.2

Results: No Growth

Comments: Pass

Client Sample #: 36

Sample Location: Class 5 LFB

Test: 1108 USP 797 Culture, Air, Fungal Counts with ID: SOP 3.2

Results: No Growth

Comments: Pass

Client Sample #: 37

Sample Location: Class 5 LFB

Test: 1107 USP 797 Culture, Air, Bacterial Counts with ID: SOP 2.2

Results: No Growth

Comments: Pass

Client Sample #: 38

Sample Location: Class 5 LFB

Test: 1108 USP 797 Culture, Air, Fungal Counts with ID: SOP 3.2

Results: No Growth

Comments: Pass

Client Sample #:

Sample Location: Class 5 BSC

Test: 1107 USP 797 Culture, Air, Bacterial Counts with ID: SOP 2.2

Results: No Growth

Comments: Pass

Client Sample #: 40

Sample Location: Class 5 BSC

Test: 1108 USP 797 Culture, Air, Fungal Counts with ID: SOP 3.2

Results: No Growth

Comments: Pass

Lab Sample #: 22036095-035

Air Volume: 1000 L Positive Hole: 219

MRL: 1 CFU/m3

Lab Sample #: 22036095-036

Air Volume: 1000 L Positive Hole: 219 MRL: 1 CFU/m3

Lab Sample #: 22036095-037

Air Volume: 1000 L Positive Hole: 219

MRL: 1 CFU/m3

Lab Sample #: 22036095-038

Air Volume: 1000 L Positive Hole: 219

MRL: 1 CFU/m3

Lab Sample #: 22036095-039

Air Volume: 1000 L Positive Hole: 219 MRL: 1 CFU/m3

Lab Sample #: 22036095-040

Air Volume: 1000 L Positive Hole: 219 MRL: 1 CFU/m3



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Attn: Arne Gjertsen
Project: **Option Care Bakersfield**Condition of Sample(s) Upon Receipt: Acceptable

 Date Collected:
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Client Sample #: 41

Sample Location: Class 7 Buffer Zn

Test: 1107 USP 797 Culture, Air, Bacterial Counts with ID: SOP 2.2

Results: No Growth

Comments: Pass

Client Sample #: 42

Sample Location: Class 7 Buffer Zn

Test: 1108 USP 797 Culture, Air, Fungal Counts with ID: SOP 3.2

Results: No Growth

Comments: Pass

Client Sample #: 43

Sample Location: Class 7 Buffer Zone

Test: 1107 USP 797 Culture, Air, Bacterial Counts with ID: SOP 2.2

Results: No Growth

Comments: Pass

Client Sample #: 44

Organism(s) Isolated:

Aspergillus versicolor

Sample Location: Class 7 Buffer Zone

Test: 1108 USP 797 Culture, Air, Fungal Counts with ID: SOP 3.2

Positive Hole Corrected Result: 1 CFU/m3

 Raw Count
 CFU/m3
 % Total
 MRL

 1
 1
 100
 1 CFU/m3

1

1

~100%

Comments: O.O.C.

Lab Sample #: 22036095-041

Air Volume: 1000 L Positive Hole: 219 MRL: 1 CFU/m3

Lab Sample #: 22036095-042

Air Volume: 1000 L Positive Hole: 219 MRL: 1 CFU/m3

Lab Sample #: 22036095-043

Lab Sample #:

Air Volume: 1000 L
Positive Hole: 219
MRI: 1 CFU/m3

MRL: 1 CFU/m3

22036095-044

Air Volume: 1000 L

Positive Hole: 219



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roject: Option Care Bakersfield

Condition of Sample(s) Upon Receipt: Acceptable

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Client Sample #: 45

Sample Location: Class 7 Buffer NPR

Test: 1107 USP 797 Culture, Air, Bacterial Counts with ID: SOP 2.2

Positive Hole Corrected Result: 5 CFU/m3

Lab Sample #: 22036095-045

Air Volume: 1000 L Positive Hole: 219 MRL: 1 CFU/m3

Organism(s) Isolated:	Raw Count	CFU/m3	% Total	Reservoirs
Bacillus species	3	3	60	Environment
Coag-negative Staphylococcus species	1	1	20	Human
Corynebacterium-like	1	1	20	Human,
				Environment

5 ~100%

Comments: Acceptable

Client Sample #: 46

Sample Location: Class 7 Buffer NPR

Test: 1108 USP 797 Culture, Air, Fungal Counts with ID: SOP 3.2

Positive Hole Corrected Result: 2 CFU/m3

Lab Sample #: 22036095-046

Air Volume: **1000 L**Positive Hole: **219** 

Organism(s) Isolated: Raw Count CFU/m3 % Total MRL Aspergillus versicolor 1 1 50 1 CFU/m3 Penicillium species 1 1 50 1 CFU/m3 2 2 ~100% Comments: O.O.C.

Client Sample #: 47

Sample Location: Class 7 Ante Room

Test: 1107 USP 797 Culture, Air, Bacterial Counts with ID: SOP 2.2

Positive Hole Corrected Result: 3 CFU/m3

Lab Sample #: 22036095-047

Air Volume: 1000 L Positive Hole: 219 MRL: 1 CFU/m3

MRL. 1CFU/M3

Organism(s) Isolated:Raw CountCFU/m3% TotalReservoirsMicrococcus species33100Human

3

3

~100%

Comments: Acceptable



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Project: Option Care Bakersfield

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Client Sample #: 48

Sample Location: Class 7 Ante Room

Lab Sample #: 22036095-048

Test: 1108 USP 797 Culture, Air, Fungal Counts with ID: SOP 3.2 Positive Hole Corrected Result: 2 CFU/m3

Air Volume: 1000 L

Positive Hole: 219

Raw Count	CFU/m3	% Total	MRL
1	1	50	1 CFU/m3
1	1	50	1 CFU/m3
2	2	~100%	
	Raw Count  1  1	Raw Count CFU/m3  1 1 1 1 2 2	1 1 50 1 1 50

Comments:

Client Sample #: 49

Sample Location: Class 7 Ante Room

Test: 1107 USP 797 Culture, Air, Bacterial Counts with ID: SOP 2.2

Positive Hole Corrected Result: 4 CFU/m3

Lab Sample #: 22036095-049

Air Volume: 1000 L Positive Hole: 219

MRL: 1 CFU/m3

Organism(s) Isolated:	Raw Count	CFU/m3	% Total	Reservoirs
Bacillus species	3	3	75	Environment
Coag-negative Staphylococcus species	1	1	25	Human
	4	4	~100%	
Comments: Acceptable			20070	

Client Sample #: 50

Sample Location: Class 7 Ante Room

Test: 1108 USP 797 Culture, Air, Fungal Counts with ID: SOP 3.2

Positive Hole Corrected Result: 1 CFU/m3

Lab Sample #: 22036095-050

Air Volume: 1000 L

Positive Hole: 219

Organism(s) Isolated: Raw Count CFU/m3 % Total MRL Aspergillus sydowii 1 1 100 1 CFU/m3

> 1 1 ~100%

Comments: O.O.C

Client Sample #: 51

Sample Location: Control / Operator Handling Lot#511172P, Exp: 11-1-22

Test: 1156 BACTERIAL AIR - Negative (-) Control: SOP 2.2

Results: No Growth

Lab Sample #: 22036095-051



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Client Sample #: 52

Sample Location: Control Lot#509696P, Exp: 10-6-22

Test: 1157 FUNGAL AIR - Negative (-) Control: SOP 3.2

Results: No Growth

Client Sample #: 53

Sample Location: Control Lot#511729P, Exp: 11-10-22

Test: 1158 BACTERIAL SURFACE - Negative (-) Control: 2.2

Results: No Growth

Client Sample #: 54

Sample Location: Control Lot#510706, Exp: 10-25-22

Test: 1159 FUNGAL SURFACE - Negative (-) Control: SOP 3.2

Results: No Growth

Lab Sample #: 22036095-052

Lab Sample #: 22036095-053

Lab Sample #: 22036095-054



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Project: **Option Care Bakersfield**Condition of Sample(s) Upon Receipt: Acceptable

 Date Collected:
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### **USP 797 Class and Action Levels**

ISO Clean Room Classification	ISO, 0.5 u/m <sup>3</sup> Particulate	Viable Air Sampling 400-1000 CFU/m <sup>3</sup>	Surface Contact CFU/plate	Gloved Fingertip CFU/plate	Gloved Fingertip CFU/plate Gown Validation	
Class 5	3,520	>1	>3	>3	>0	
Class 7	352,000	>10	>5	N/A	N/A	
Class 8 or Worse	3,520,000	>100	>100	N/A	N/A	

Aerobiology Laboratory Associates, Inc. shall be responsible for all the information provided in the report, except when information is provided by the customer. Data provided by a customer can affect the validity of results and shall be clearly identified. Results apply to the samples as received. Aerobiology Laboratory Associates, Inc. is not responsible for the sampling activity, such as air and water volume, area, and mass unit. The report shall not be reproduced except in full without the approval of the laboratory to ensure that parts of a report are not taken out of context. Data interpretation of this report will be the client responsibility based on their sampling.

### **Footnotes and Additional Report Information**

- 1. Regardless of the number of CFU identified, further corrective actions are required if any pathogenic organisms are identified. It is therefore suggested to identify any colonies seen on the plate to genus level to rule out pathogens such as: gram-negative rods bacteria, and coagulase positive staphylococcus spp., yeasts, and mold.
- 2. Regardless of ISO Class, any fungal ID from fungal media or appropriate media for single plate protocol on an air or surface plate will result in sample being Out of Compliance.
- 3. Positive-hole correction factor is a statistical tool which calculates a probable count from the total raw count, taking into account multiple particles can impact on the same hole. For this reason the sum of calculated counts may be less than the positive hole corrected total.
- 4. TSA (Tryptic Soy Agar) for bacteria is incubated at 30-35°C for 2-4 days. MEA (Malt Extract Agar) or other suitable fungal media is incubated at 26 30°C for 5 to 7 days. If single plate protocol is being followed, TSA or the appropriate media for bacteria is incubated at 30-35°C for 2-4 days and then the same plate is re-incubated at 26 to 30°C for 5-7 days for fungal.
- 5. MEDIA CONTROLS. An unexposed TSA plate or MEA plate from each sampling event/project should be submitted for quality control purposes. The lot number for controls should be the same as those plates being submitted for analysis.
- 6. Semi-annual monitoring for viable bacteria and fungi in air, surface contact plates, gloved fingertip and particulates is required for both Class 5 and Class 7 defined areas.
- 7. Viable cultures must be collected using an impaction style sampler for volumetric capture. A sufficient volume of air (400 to 1000 liters) should be tested at each location to obtain the sensitivity and detection limit necessary for class action levels.
- 8. Standard contact plates have an area of 25 cm <sup>2</sup> or plate, unless otherwise noted in the sample area.
- 9. The results in this report are related to this project and these samples only.
- 10. **MRL** Units for USP 797 Cultures are as follows: AIR is CFU/m <sup>3</sup>, SURFACE is CFU/25cm <sup>2</sup> or CFU/plate, and CONTROL is colony/sample.

MRL: Minimum Reporting Limit.

- 11. TARGET IDENTIFICATIONS: Any gram-negative rod, Staphylococcus aureus, yeast and molds
- 12. Non-sporulating colony is a colony that does not produce spores and/or conidiophores. Unless distinctive spores or conidiophores are formed, fungal identification may not be possible.
- 13. If the final quantitative result is corrected for contamination based on the blank, the blank correction is stated in the sample comments section of the report.

Due to rounding totals may not equal 100%.

Suzanne Blevins
Laboratory Director



15061 Springdale St Suite 111 Huntington Beach, CA 92649 7148958401

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Project: **Option Care Bakersfield**Condition of Sample(s) Upon Receipt: Acceptable

 Date Collected:
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#### **GLOSSARY**

Aspergillus sydowii: Aspergillus is one of the most common fungi worldwide, occurring on a large number of substrates. A. sydowii is a common soil fungus but has been isolated from a wide variety of indoor and outdoor surfaces. This species can be an opportunistic pathogen to humans.

Aspergillus versicolor: Aspergillus is one of the most common fungi worldwide, occurring on a large number of substrates. A. versicolor is commonly found in soil, many kinds of dry food products, and a variety of indoor environmental sources. This organism is a common cause of the old musty odor in damp, warm indoor environments. This species produces the mycotoxin Sterigmatocystin, produces allergy-like symptoms in people, and is considered an opportunistic pathogen to humans.

Bacillus species: Bacillus are aerobic, endospore-forming, gram-positive, rod-shaped bacteria. Some species are harmful to humans and animals, but the majority of these species are not pathogenic and are recovered from a wide variety of natural habitats.

Coag-negative Staphylococcus species: Staphylococcus are non spore-forming, gram-positive cocci. Coagulase Negative Staphylococcus species constitute a major part of the normal microbiota of humans.

Corynebacterium-like: The majority of bacteria in this group are irregularly shaped, non spore-forming, gram-positive rods. Many species are part of the normal microbiota of the skin and mucous membranes of mammals. Some species are found in the environment. Some corynebacterium cause infection, particularly Corynebacterium diphtheriae.

Micrococcus species: Micrococcus are non-spore-forming, Gram-positive cocci. They are typically non-pathogenic, and considered normal inhabitants of the human body. Micrococci are frequently isolated from air samples and are widespread in nature.

Non-sporulating colony: For microscopic identification of fungi, spores and/or spore-bearing structures need to be present. This colony has not sporulated, therefor the analyst cannot make a proper identification. There are a variety of reasons colonies do not produce spores, including plate overcrowding and nutrient-rich media.

Penicillium species: Penicillium is one of the most common fungi worldwide, occurring on a very large number of substrates. There are about 250 species, some of which can grow at low temperatures. They produce unicellular, usually globose, hydrophobic spores, in unbranched chains on distinctive broom-shaped structures. The spores are usually green-blue, greenish or grey green in mass. Some species may cause infections of humans, particularly in immunocompromised patients. Some species produce mycotoxins, and some may be allergenic. The spores, when present without the diagnostic structures that produce them, are impossible to differentiate visually from those of Aspergillus.

Verticillium species: Verticillium is a fungus known as a mold. It occurs worldwide on decaying vegetation and soil. Some species may be pathogenic to arthropods, plants, and other fungi. It produces tiny, microscopic, colorless, slimy spores in droplets at the end of specialized cells. These spores are not commonly found in buildings, and would be almost impossible to identify unless cultured. It may occasionally cause skin irritation (keratitis) in humans, but is not notably allergenic, pathogenic (except to plants), or toxigenic.



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**Project: Option Care Bakersfield** 

Condition of Sample(s) Upon Receipt: Acceptable

 Date Collected:
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 9/20/2022

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AeroMetric 797<sup>TM</sup> Results Summary Sheet

Sample Location	Class	Matrix	Pass	Acpt	O.O.C.	Cause
1: Class 7 Ante Rm	7	Α				Presence of actionable microorganisms
2: Class 7 Ante Rm	7	Α				. reserve or detrollable filleroofganisms
3: Class 7 NPR	7	Α		STREET,		Presence of actionable microorganisms
4: Class 7 Buffer Zone	7	Α			L	. reserved of detroridate fineroof garnsins
5: Control / OP. Handling , #Lot: 509696P, Exp Date :	NA	Α				
10/06/22						

No growth of microorganisms. Sample in compliance with USP 797 and CAG-009 guidance documents Growth of microorganisms. Sample in compliance with USP 797 and CAG-009 guidance documents. O.O.C. - Out of Compliance. Unacceptable concentrations or presence of actionable microorganisms. Sample not in compliance with USP 797 and CAG-009 guidance documents. Sample results not applicable to USP 797 and CAG-009 guidance documents.

Matrix\* - A: Air S: Surface



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Date Collected: Date Received: 9/12/2022

Date Analyzed:

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Project: Option Care Bakersfield

Date Reported: Project ID: 9/20/2022 22037147

Condition of Sample(s) Upon Receipt: Acceptable

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Client Sample #: 1

Lab Sample #:

22037147-001

Sample Location: Class 7 Ante Rm

Test: 1108 USP 797 Culture, Air, Fungal Counts with ID: SOP 3.2

Air Volume: 1000 L

Positive Hole Corrected Result: 1 CFU/m3

Positive Hole: 219

Organism(s) Isolated:

Raw Count

CFU/m3

% Total

MRL

Penicillium species

1

100

1

1 CFU/m3

1

1

~100%

Comments: O.O.C.

Client Sample #: 2

Sample Location: Class 7 Ante Rm

Lab Sample #: 22037147-002

Test: 1108 USP 797 Culture, Air, Fungal Counts with ID: SOP 3.2

Air Volume: 1000 L

Results: No Growth

Positive Hole: 219 MRL: 1 CFU/m3

Comments: Pass

Client Sample #: 3

Sample Location: Class 7 NPR

Lab Sample #: 22037147-003

Test: 1108 USP 797 Culture, Air, Fungal Counts with ID: SOP 3.2

Air Volume: 1000 L

Positive Hole: 219

Organism(s) Isolated:

Positive Hole Corrected Result: 2 CFU/m3

CFU/m3

2

% Total

~100%

MRL

Penicillium species

2

Raw Count

2

2

100

1 CFU/m3

Comments: O.O.C

Client Sample #: 4

Sample Location: Class 7 Buffer Zone

Lab Sample #: 22037147-004

Test: 1108 USP 797 Culture, Air, Fungal Counts with ID: SOP 3.2

Results: No Growth

Air Volume: 1000 L

Positive Hole: 219 MRL: 1 CFU/m3

Comments: Pass

Client Sample #: 5

Sample Location: Control / OP. Handling , #Lot: 509696P, Exp Date : 10/06/22

Test: 1157 FUNGAL AIR - Negative (-) Control: SOP 3.2

Results: No Growth

Lab Sample #: 22037147-005



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Project: **Option Care Bakersfield**Condition of Sample(s) Upon Receipt: Acceptable

 Date Collected:
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 Date Received:
 9/12/2022

 Date Analyzed:
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### **USP 797 Class and Action Levels**

ISO Clean Room Classification	ISO, 0.5 u/m <sup>3</sup> Particulate	Viable Air Sampling 400-1000 CFU/m <sup>3</sup>	Surface Contact CFU/plate	Gloved Fingertip CFU/plate	Gloved Fingertip CFU/plate Gown Validation
Class 5	3,520	>1	>3	>3	>0
Class 7	352,000	>10	>5	N/A	N/A
Class 8 or Worse	3,520,000	>100	>100	N/A	N/A

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### **Footnotes and Additional Report Information**

- 1. Regardless of the number of CFU identified, further corrective actions are required if any pathogenic organisms are identified. It is therefore suggested to identify any colonies seen on the plate to genus level to rule out pathogens such as: gram-negative rods bacteria, and coagulase positive staphylococcus spp., yeasts, and mold.
- 2. Regardless of ISO Class, any fungal ID from fungal media or appropriate media for single plate protocol on an air or surface plate will result in sample being Out of Compliance.
- 3. Positive-hole correction factor is a statistical tool which calculates a probable count from the total raw count, taking into account multiple particles can impact on the same hole. For this reason the sum of calculated counts may be less than the positive hole corrected total.
- 4. TSA (Tryptic Soy Agar) for bacteria is incubated at 30-35°C for 2-4 days. MEA (Malt Extract Agar) or other suitable fungal media is incubated at 26 30°C for 5 to 7 days. If single plate protocol is being followed, TSA or the appropriate media for bacteria is incubated at 30-35°C for 2-4 days and then the same plate is re-incubated at 26 to 30°C for 5-7 days for fungal.
- 5. MEDIA CONTROLS. An unexposed TSA plate or MEA plate from each sampling event/project should be submitted for quality control purposes. The lot number for controls should be the same as those plates being submitted for analysis.
- 6. Semi-annual monitoring for viable bacteria and fungi in air, surface contact plates, gloved fingertip and particulates is required for both Class 5 and Class 7 defined areas.
- 7. Viable cultures must be collected using an impaction style sampler for volumetric capture. A sufficient volume of air (400 to 1000 liters) should be tested at each location to obtain the sensitivity and detection limit necessary for class action levels.
- 8. Standard contact plates have an area of 25 cm <sup>2</sup> or plate, unless otherwise noted in the sample area.
- 9. The results in this report are related to this project and these samples only.
- 10. **MRL** Units for USP 797 Cultures are as follows: AIR is CFU/m <sup>3</sup>, SURFACE is CFU/25cm <sup>2</sup> or CFU/plate, and CONTROL is colony/sample.

MRL: Minimum Reporting Limit.

- 11. TARGET IDENTIFICATIONS: Any gram-negative rod, Staphylococcus aureus, yeast and molds
- 12. Non-sporulating colony is a colony that does not produce spores and/or conidiophores. Unless distinctive spores or conidiophores are formed, fungal identification may not be possible.
- 13. If the final quantitative result is corrected for contamination based on the blank, the blank correction is stated in the sample comments section of the report.

Due to rounding totals may not equal 100%.

Suzanne Blevins
Laboratory Director



15061 Springdale St Suite 111 Huntington Beach, CA 92649 7148958401

Cleanrooms Plus
1587 Sim Place
Anaheim CA, 92802
Attn: Arne Gjertsen
Project: **Option Care Bakersfield**Condition of Sample(s) Upon Receipt: Acceptable

 Date Collected:
 9/12/2022

 Date Received:
 9/12/2022

 Date Analyzed:
 9/19/2022

 Date Reported:
 9/20/2022

 Project ID:
 22037147

Page 4 of 4

### **GLOSSARY**

Penicillium species: Penicillium is one of the most common fungi worldwide, occurring on a very large number of substrates. There are about 250 species, some of which can grow at low temperatures. They produce unicellular, usually globose, hydrophobic spores, in unbranched chains on distinctive broom-shaped structures. The spores are usually green-blue, greenish or grey green in mass. Some species may cause infections of humans, particularly in immunocompromised patients. Some species produce mycotoxins, and some may be allergenic. The spores, when present without the diagnostic structures that produce them, are impossible to differentiate visually from those of Aspergillus.



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Cleanrooms Plus
1587 Sim Place
Anaheim CA, 92802
Attn: Arne Gjertsen
Project: **Option Care Bakersfield**Condition of Sample(s) Upon Receipt: Acceptable

Date Collected:	9/23/2022
Date Received:	9/23/2022
Date Analyzed:	9/28/2022
Date Reported:	9/28/2022
Project ID:	22039280
	Page 1 of 4

# AeroMetric 797 TM Results Summary Sheet

Sample Location	Class	Matrix	Pass	Acpt	0.0.C.	Cause
1: Class 7 Ante Rm	7	Α				sence of actionable microorganisms
2: Class 7 NPR	7	Α				sence of actionable microorganisms
3: Control / Op Handling	NA	Α				and of decionable filleroorganisms
Lot#509696P, Exp: 10-6-22						
No susual of i	9/					

No growth of microorganisms. Sample in compliance with USP 797 and CAG-009 guidance documents. Growth of microorganisms. Sample in compliance with USP 797 and CAG-009 guidance documents. O.O.C. - Out of Compliance. Unacceptable concentrations or presence of actionable microorganisms. Sample not in compliance with USP 797 and CAG-009 guidance documents. Sample results not applicable to USP 797 and CAG-009 guidance documents.

Matrix\* - A: Air S: Surface



15061 Springdale St Suite 111 Huntington Beach, CA 92649 7148958401

Cleanrooms Plus 1587 Sim Place Anaheim CA, 92802 Attn: Arne Gjertsen Project: Option Care Bakersfield Condition of Sample(s) Upon Receipt: Acceptable

Date Collected: 9/23/2022 Date Received: 9/23/2022 Date Analyzed: 9/28/2022 Date Reported: 9/28/2022 Project ID: 22039280 Page 2 of 4

Lab Sample #: 22039280-001

Client Sample #: 1

Sample Location: Class 7 Ante Rm

Test: 1108 USP 797 Culture, Air, Fungal Counts with ID: SOP 3.2

Positive Hole Corrected Result: 1 CFU/m3

Air Volume: 1000 L Positive Hole: 219

Organism(s) Isolated: Raw Count CFU/m3 % Total MRL Penicillium species 1 1 100 1 CFU/m3 1 1 ~100% Comments: O.O.C.

Client Sample #: 2

Sample Location: Class 7 NPR

Test: 1108 USP 797 Culture, Air, Fungal Counts with ID: SOP 3.2

Positive Hole Corrected Result: 10 CFU/m3

Air Volume: 1000 L

Lab Sample #: 22039280-002

Positive Hole: 219

Organism(s) Isolated: Raw Count CFU/m3 % Total MRL Aspergillus versicolor 10 1 CFU/m3 Penicillium species 9 9 90 1 CFU/m3 10 10 ~100%

Comments: O.O.C.

Client Sample #: 3

Sample Location: Control / Op Handling Lot#509696P, Exp: 10-6-22

Test: 1157 FUNGAL AIR - Negative (-) Control: SOP 3.2

Results: Growth

Lab Sample #: 22039280-003



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 9/23/2022

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 9/23/2022

 Date Analyzed:
 9/28/2022

 Date Reported:
 9/28/2022

 Project ID:
 22039280

 Page 3 of 4

### **USP 797 Class and Action Levels**

ISO Clean Room Classification	ISO, 0.5 u/m <sup>3</sup> Particulate	· · · · · · · · · · · · · · · · · · ·		Gloved Fingertip CFU/plate	Gloved Fingertip CFU/plate Gown Validation	
Class 5	3,520	>1	>3	>3	>0	
Class 7	352,000	>10	>5	N/A	N/A	
Class 8 or Worse	3,520,000	>100	>100	N/A	N/A	

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Due to rounding totals may not equal 100%.

Suzanne Blevins
Laboratory Director



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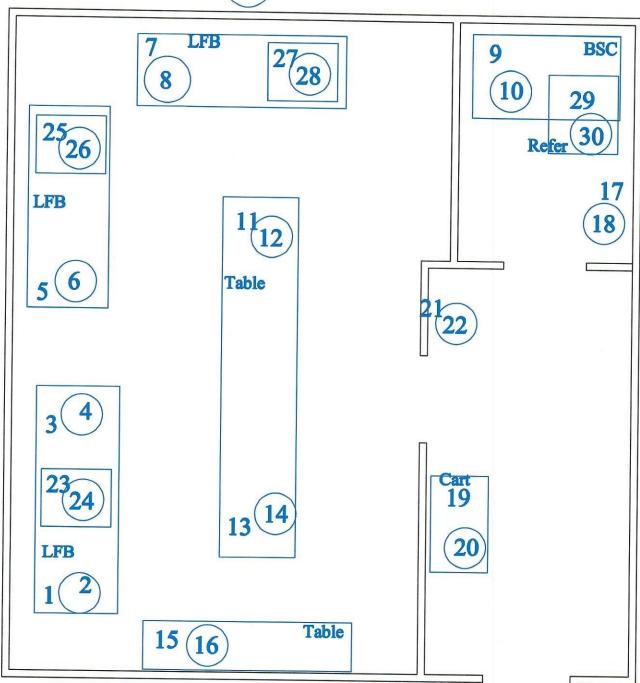
Cleanrooms Plus
1587 Sim Place
Anaheim CA, 92802
Attn: Arne Gjertsen
Project: **Option Care Bakersfield**Condition of Sample(s) Upon Receipt: Acceptable

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Project ID:	22039280
	Page 4 of 4

### **GLOSSARY**

Aspergillus versicolor: Aspergillus is one of the most common fungi worldwide, occurring on a large number of substrates. A. versicolor is commonly found in soil, many kinds of dry food products, and a variety of indoor environmental sources. This organism is a common cause of the old musty odor in damp, warm indoor environments. This species produces the mycotoxin Sterigmatocystin, produces allergy-like symptoms in people, and is considered an opportunistic pathogen to humans.

Penicillium species: Penicillium is one of the most common fungi worldwide, occurring on a very large number of substrates. There are about 250 species, some of which can grow at low temperatures. They produce unicellular, usually globose, hydrophobic spores, in unbranched chains on distinctive broom-shaped structures. The spores are usually green-blue, greenish or grey green in mass. Some species may cause infections of humans, particularly in immunocompromised patients. Some species produce mycotoxins, and some may be allergenic. The spores, when present without the diagnostic structures that produce them, are impossible to differentiate visually from those of Aspergillus.



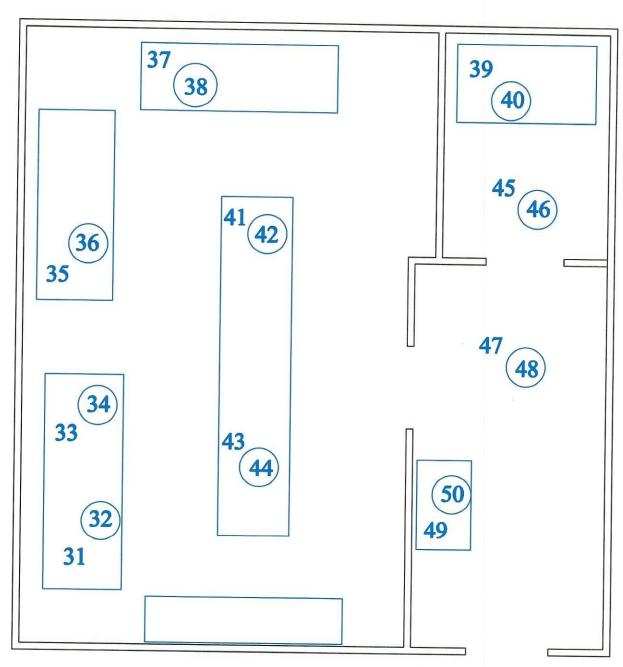
# Option Care Bakersfield

**Surface Sample Locations** 

# = TSA Media Sample

# = MEA Media Sample

# 51 - Control/ Operator Handling 52 - Control

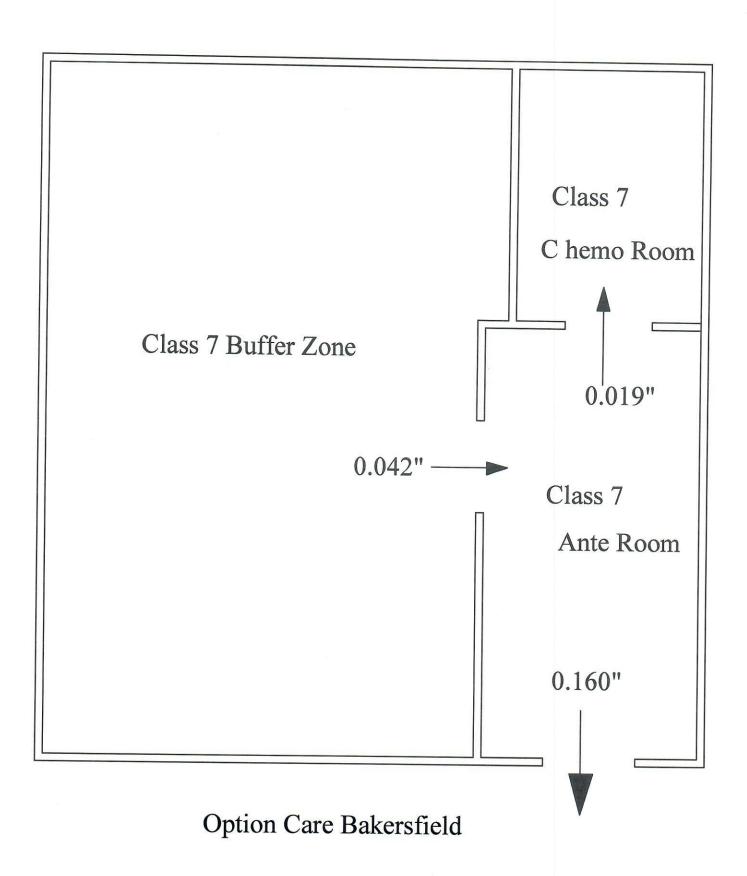


# Option Care Bakersfield

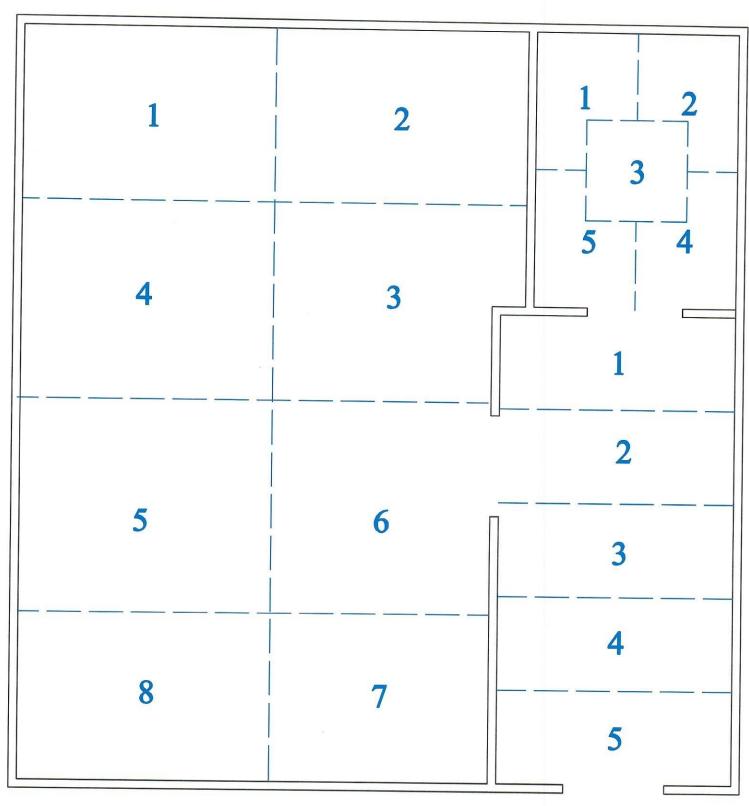
Viable Air Sample Locations

# = TSA Media Sample

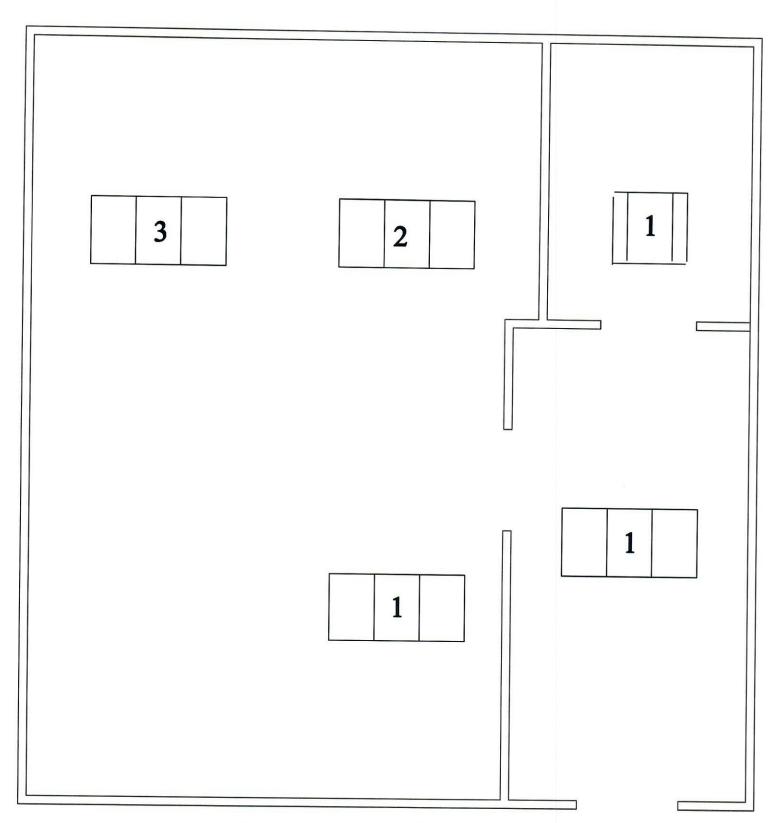
# = MEA Media Sample



Pressure Gradients



Option Care Bakersfield
Particle Count Locations



Option Care Bakersfield HEPA Filter Locations