

**IBR JN: 20525A2**

Performed for: Aeris Cleantech AG

Date: 07 May 2020

Location: Unknown

Contact: Pierre Bi

**Test Method: Room Air Cleaner Performance per AHAM AC-1-2019 (Smoke)**

Temperature: 22.9 - 22.6 C

Relative Humidity: 38.3 - 40.6 %

Contaminant: Cigarette Smoke

Contaminant Source: Research Cigarettes - University of Kentucky, Code: 3R4F-12/2006

**Natural Decay-Smoke**

Room Status	Time (min)	Particles / 94cc at: (in microns)						Total
		0.1-0.2	0.2-0.3	0.3-0.4	0.4-0.5	0.5-0.7	0.7-1.0	
Room Background	1	2460	60	0	0	0	0	2520
	2	2280	0	0	0	0	0	2280
	3	2700	0	0	0	0	0	2700
	4	2160	0	0	0	0	0	2160
	5	2400	0	0	0	0	0	2400
	6	2460	0	0	0	0	0	2460
	7	2100	0	0	0	0	0	2100
	8	2160	0	0	0	0	0	2160
	9	2280	60	0	0	0	0	2340
	10	2340	0	0	0	0	0	2340
Natural Decay	1	2287620	655140	107220	63660	6900	60	3120600
	2	2249640	646320	108300	61620	7080	60	3073020
	3	2185140	631980	104160	57420	6600	60	2985360
	4	2172480	627060	106500	62400	6360	120	2974920
	5	2160960	623700	105240	57360	6540	0	2953800
	6	2143500	619680	102480	62340	5580	120	2933700
	7	2145180	618540	103500	56760	5760	60	2929800
	8	2042940	614520	101160	53820	4740	0	2817180
	9	2034660	590820	98940	54420	5580	60	2784480
	10	2052900	610860	99780	53880	5220	60	2822700
11	2031960	605520	99060	58680	5700	0	2800920	
12	2033160	602340	98340	57360	4800	0	2796000	
13	1999620	604200	99900	53400	5280	0	2762400	
14	1975200	609300	99780	53640	4620	0	2742540	
15	1937460	581460	93960	51840	4980	60	2669760	
16	1909140	573120	94140	53760	5220	0	2635380	
17	1885620	577140	95520	50580	4860	0	2613720	
18	1881120	577020	95280	53520	4680	60	2611680	
19	1866420	564720	92760	51180	5280	0	2580360	
20	1823220	555000	87900	47580	3780	60	2517540	

Natural Decay Rate: -0.00995 1/min<sup>-1</sup>  
 Standard Deviation: 0.0005 1/min<sup>-1</sup>  
 Coefficient of Determination: 0.9612

Notice: These data relate only to the samples tested. This report may be copied only in its entirety.

Performed By: MP

Data Location: MP237

**IBR JN: 20525A2**

 Performed for: Aeris Cleantech AG  
 Location: Unknown  
 Contact: Pierre Bi

Date: 07 May 2020

**Description of Cleaner: Aeris Aair 3-in-1 Pro Air Purifier      Description of Filter: Multi-layered Pleated Filter Element**

 S/N: 110000058  
 IBR Cleaner ID: 20525-16  
 Power: 120 VAC / 60 Hz  
 Date Samples Received: 17 Feb 20

 Filter S/N: 301001005  
 IBR Filter ID: 20525-16-1  
 Fan Speed: High (6)  
 Sample Source: AAA Trans World Express Jamaica, NY

 Contaminant: Cigarette Smoke  
 Contaminant Source: Research Cigarettes - University of Kentucky, Code: 3R4F-12/2006

	Before Test	After Test
Relative Humidity (%)	38.9	38.9
Temperature (°C)	22.4	20.8

Purifier Status	Time (min)	Particles / 94cc at: (in microns)						Total
		0.1-0.2	0.2-0.3	0.3-0.4	0.4-0.5	0.5-0.7	0.7-1.0	
Off	1	1740	180	0	0	0	0	1920
	2	2040	180	60	0	0	0	2280
	3	1920	180	0	0	0	0	2100
	4	1680	120	0	0	0	0	1800
	5	2100	120	60	0	0	0	2280
	6	2160	60	0	0	0	0	2220
	7	2160	60	0	0	0	0	2220
	8	2400	60	0	0	0	0	2460
	9	2520	120	0	0	0	0	2640
	10	2280	0	0	0	0	0	2280
On	1	1785780	419040	65760	20520	2760	60	2293920
	2	1067040	243660	35040	10380	1020	0	1357140
	3	710400	153120	25860	6480	720	60	896640
	4	447000	98880	14400	4080	360	0	564720
	5	267960	58620	9180	2640	240	0	338640
	6	165060	32820	5100	1320	420	0	204720
	7	120900	22620	2700	720	120	0	147060
	8	74280	15600	2340	540	0	0	92760
	9	52200	9300	1740	600	120	0	63960
	10	40140	5040	420	120	60	0	45780
On	11	25800	2700	540	240	0	0	29280
	12	21660	2220	120	180	0	0	24180
	13	17700	840	60	0	60	0	18660
	14	15420	840	120	0	0	0	16380
	15	13920	480	0	0	0	0	14400
	16	12900	420	60	120	0	0	13500
	17	11700	240	0	0	0	0	11940
	18	9900	0	0	0	0	0	9900
	19	12480	120	0	0	0	0	12600
	20	13140	60	0	0	0	0	13200

 Operational Decay Rate: -0.42054 1/min<sup>-1</sup>  
 Standard Deviation: 0.0088 1/min<sup>-1</sup>  
 Coefficient of Determination: 0.9965

**CADR: 390.9 Cubic feet / min**  
**CADR: 664.1 Cubic meters / hr**  
**Suggested room size: 605.9 sqft**  
**56.3 sqm**

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 Performed By: MP      Data Location: MP237

**IBR JN: 20525A2**

Performed for: Aeris Cleantech AG

Location: Unknown

Date: 07 May 2020

Contact: Pierre Bi

<b>Description of Cleaner: Aeris Aair 3-in-1 Pro Air Purifier</b>	<b>Description of Filter: Multi-layered Pleated Filter Element</b>
S/N: 110000072	Filter S/N: 301001084
IBR Cleaner ID: 20525-17	IBR Filter ID: 20525-17-1
Power: 120 VAC / 60 Hz	Fan Speed: High (6)
Date Samples Received: 43878	Sample Source: AAA Trans World Express Jamaica, NY

Contaminant: Cigarette Smoke  
 Contaminant Source: Research Cigarettes - University of Kentucky, Code: 3R4F-12/2006

	Before Test	After Test
Relative Humidity (%)	38.4	39.2
Temperature (°C)	20.6	20.1

Purifier Status	Time (min)	Particles / 94cc at: (in microns)						Total
		0.1-0.2	0.2-0.3	0.3-0.4	0.4-0.5	0.5-0.7	0.7-1.0	
Off	1	2460	180	0	60	0	0	2700
	2	2460	180	0	0	0	0	2640
	3	2520	180	0	0	0	0	2700
	4	3060	0	0	0	0	0	3060
	5	2760	60	0	0	0	0	2820
	6	2700	0	0	0	0	0	2700
	7	2700	60	0	0	0	0	2760
	8	2460	0	0	0	0	0	2460
	9	2340	0	0	0	0	0	2340
	10	2100	0	0	0	0	0	2100
On	1	1829520	480180	75600	23940	3600	0	2412840
	2	1126500	290700	47880	15540	2040	0	1482660
	3	690300	170280	27480	9120	1680	120	898980
	4	475200	110640	17880	7200	660	60	611640
	5	277440	61140	9600	3660	660	0	352500
	6	184320	41460	6180	2460	0	60	234480
	7	118020	22740	3960	1320	60	0	146100
	8	78240	15000	1860	720	120	0	95940
	9	59580	7920	1620	480	0	0	69600
	10	40140	4980	1200	180	0	0	46500
11	29460	3840	840	180	0	0	34320	
12	25380	2040	180	0	0	0	27600	
13	21780	900	180	60	0	0	22920	
14	18480	600	120	0	60	0	19260	
15	16980	360	0	0	0	0	17340	
16	14160	180	0	0	0	0	14340	
17	11400	180	0	0	0	0	11580	
18	11040	120	0	0	0	0	11160	
19	13320	0	0	0	0	0	13320	
20	9600	0	0	0	0	0	9600	

Operational Decay Rate: -0.41352 1/min<sup>-1</sup>  
 Standard Deviation: 0.0104  
 Coefficient of Determination: 0.9949 1/min<sup>-1</sup>

**CADR: 394.1 Cubic feet / min**  
**CADR: 669.7 Cubic meters / hr**  
**Suggested room size: 610.9 sqft**  
**56.8 sqm**

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**IBR JN: 20525A2**

Performed for: Aeris Cleantech AG

Date: 08 May 2020

Location: Unknown

Contact: Pierre Bi

**Test Method: Room Air Cleaner Performance per AHAM AC-1-2019 (Smoke)**

Temperature: 22.9 - 22.6 C

Relative Humidity: 38.3 - 40.6 %

Contaminant: Cigarette Smoke

Contaminant Source: Research Cigarettes - University of Kentucky, Code: 3R4F-12/2006

**Natural Decay-Smoke**

Room Status	Time (min)	Particles / 94cc at: (in microns)						Total
		0.1-0.2	0.2-0.3	0.3-0.4	0.4-0.5	0.5-0.7	0.7-1.0	
Room Background	1	3120	0	0	0	0	0	3120
	2	2940	0	0	0	0	0	2940
	3	3000	0	0	0	0	0	3000
	4	2280	0	0	0	0	0	2280
	5	2700	0	0	0	0	0	2700
	6	2520	0	0	0	0	0	2520
	7	1920	0	0	0	0	0	1920
	8	2760	0	0	0	0	0	2760
	9	2580	0	0	0	0	0	2580
	10	2580	0	0	0	0	0	2580
Natural Decay	1	1849860	590160	104460	38760	6180	240	2589660
	2	1767420	562860	90660	34800	6000	240	2461980
	3	1767300	562980	94740	34860	6600	180	2466660
	4	1754280	556260	103680	31680	6960	180	2453040
	5	1739460	556560	96000	31380	6300	360	2430060
	6	1686900	531600	90780	33900	6900	120	2350200
	7	1679820	528240	90300	30360	6300	300	2335320
	8	1684680	523140	91620	31260	6540	180	2337420
	9	1656540	526980	93180	29940	6240	120	2313000
	10	1651920	528960	89640	29700	5280	240	2305740
11	1660200	515880	90180	28320	5220	120	2299920	
12	1646100	515880	94260	30720	6060	420	2293440	
13	1632300	519720	91500	29640	4620	180	2277960	
14	1622280	510360	90480	30000	5640	60	2258820	
15	1532760	489900	83520	29820	5580	420	2142000	
16	1533900	483480	84540	28860	6120	0	2136900	
17	1494720	478920	79860	30600	5100	240	2089440	
18	1459500	470940	81780	29100	6060	480	2047860	
19	1441680	469200	83100	26520	4800	180	2025480	
20	1456500	462780	84000	26940	4200	180	2034600	

Natural Decay Rate: -0.01182 1/min<sup>-1</sup>

Standard Deviation: 0.0007 1/min<sup>-1</sup>

Coefficient of Determination: 0.9443

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Performed By: MP

Data Location: MP237



IBR JN: 20525A2

Performed for: Aeris Cleantech AG

Location: Unknown

Date: 08 May 2020

Contact: Pierre Bi

Description of Cleaner: Aeris Aair 3-in-1 Pro Air Purifier Description of Filter: Multi-layered Pleated Filter Element

S/N: 110000061

Filter S/N: 301001081

IBR Cleaner ID: 20525-18

IBR Filter ID: 20525-18-1

Power: 120 VAC / 60 Hz

Fan Speed: High (6)

Date Samples Received: 43878

Sample Source: AAA Trans World Express Jamaica, NY

Contaminant: Cigarette Smoke

Contaminant Source: Research Cigarettes - University of Kentucky, Code: 3R4F-12/2006

	Before Test	After Test
Relative Humidity (%)	38.1	38.8
Temperature (°C)	22.1	19.8

Purifier Status	Time mins	Particles / 94cc at: (in microns)						Total
		0.1-0.2	0.2-0.3	0.3-0.4	0.4-0.5	0.5-0.7	0.7-1.0	
Off	1	2340	120	0	0	0	0	2,460
	2	2040	60	0	0	0	0	2,100
	3	2160	60	0	0	0	0	2,220
	4	2100	60	0	0	0	0	2,160
	5	2280	0	0	0	0	0	2,280
	6	2700	60	0	0	0	0	2,760
	7	2760	0	0	0	0	0	2,760
	8	2100	0	0	0	0	0	2,100
	9	2340	60	0	0	0	0	2,400
	10	2460	0	0	0	0	0	2,460
On	1	1836120	492120	83880	26940	3360	0	2442420
	2	1141200	296700	45720	15180	1680	0	1500480
	3	742320	197940	33120	11280	1020	0	985680
	4	477480	111600	20460	6060	600	0	616200
	5	295260	69060	10380	3900	420	0	379020
	6	191160	44040	6360	2160	0	0	243720
	7	134520	29400	4800	1680	180	0	170580
	8	87840	18360	3000	1140	60	0	110400
	9	55320	9780	1740	300	60	0	67200
	10	44220	5820	1140	180	0	0	51360
	11	33960	4380	660	180	0	0	39180
	12	27360	2040	420	120	0	0	29940
	13	24420	1500	60	0	0	0	25980
	14	21120	1080	120	0	0	0	22320
	15	18660	600	0	60	0	0	19320
	16	21480	540	60	0	0	0	22080
	17	19320	120	60	0	0	0	19500
	18	15660	480	60	0	0	0	16200
	19	12960	300	0	0	0	0	13260
	20	13140	180	60	0	0	0	13380

Operational Decay Rate: -0.40362 1/min<sup>-1</sup>  
Standard Deviation: 0.0101  
Coefficient of Determination: 0.9950 1/min<sup>-1</sup>

CADR: 384.9 Cubic feet / min  
CADR: 654.0 Cubic meters / hr  
Suggested room size: 596.6 sqft  
55.5 sqm

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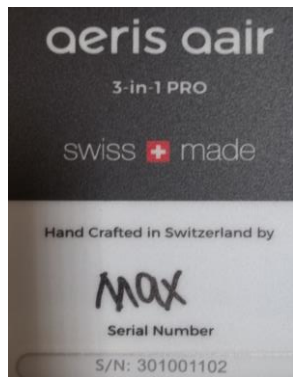
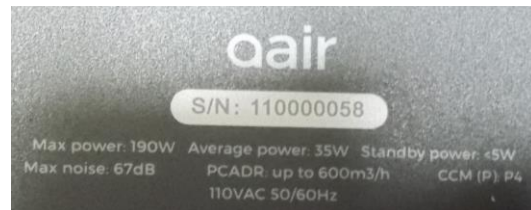
**IBR JN: 20525A2**

Date: 07-08 May 2020

Performed for: Aeris Cleantech AG

Location: Unknown

Contact: Pierre Bi



IBR ID	Manufacturer	Model No.	Serial No.	Range	Cal. Due
AME-32	Visicomm Industries	2KSS6050/5060	7252	110/220VAC 50/60Hz	Set w/ Use
RH-210	Omega	OM-DVTH	421-0419-0059	10-90%/10-50C	10-Jan-2021
BAL-07	Mettler Toledo	AE50	N/A	0.5-50g	3-Dec-2020
AME-63	Accusplit	Pro Survivor 601X	none	0.1 sec- 24 hr	11-Jul-2022
AME-40	Yokogawa	WT210	91L220956	600VAC/20A/50-60Hz	28-Dec-2021
N/A	Lasair	1001	32750-1094-221	0.1-2.0 µm	29-Jun-2020

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Performed By: MP

Data Location: MP237

Reviewed by:

Daniel R. Miller, Air Labs Manager

Revision	Editorial / Technical	Description	Approved By	Release Date
		Initial Release	DRM	5/17/2020