Intertek

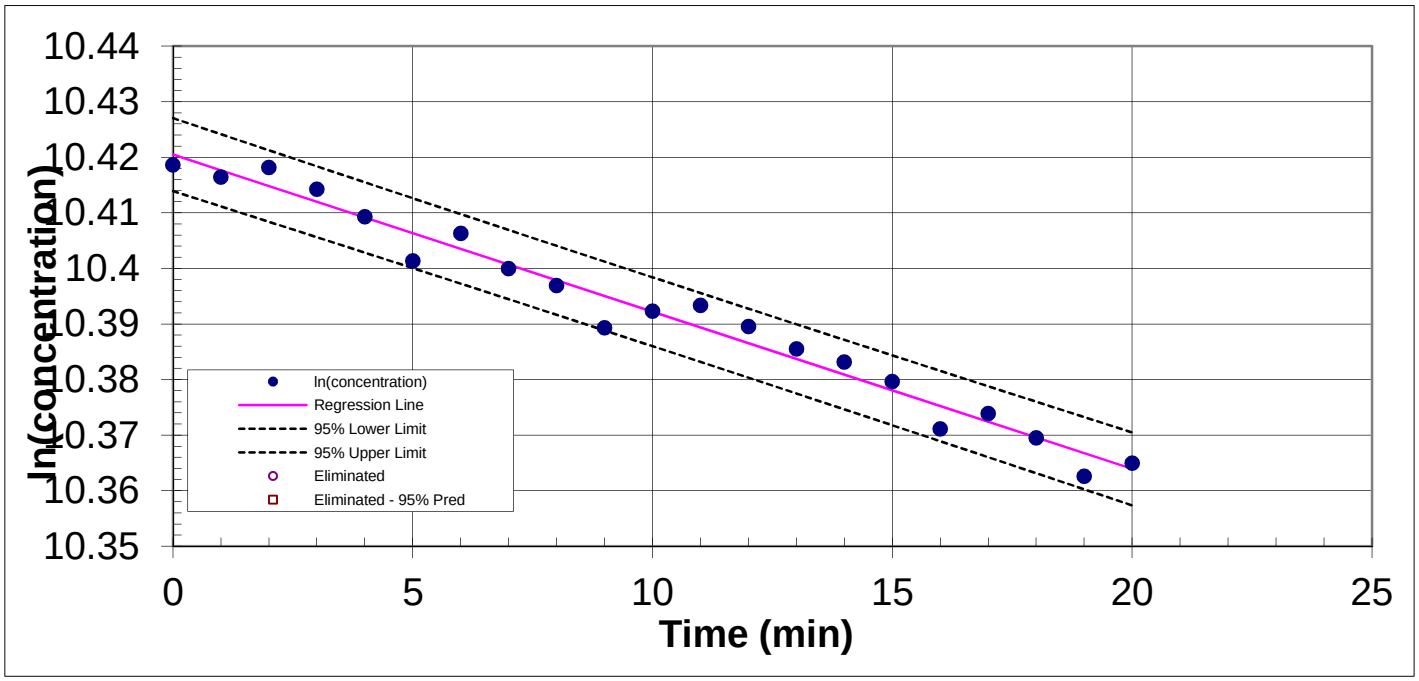
Test By: CK
Reviewed By: LJB

Order Number G101659992
Date 10/06/14 18:38:38

AC-1 Air Cleaner Testing Facility

Control Number 1409180907-002
Test Number AC-14079 WACP300

Smoke Natural



TIME(MIN)	Cti	ln(Cti)	TIME(MIN)	Cti	LN(Cti)
0.00	33,477.71	10.42	11.00	32,641.00	10.39
1.00	33,403.56	10.42	12.00	32,517.64	10.39
2.00	33,461.30	10.42	13.00	32,387.02	10.39
3.00	33,331.00	10.41	14.00	32,310.36	10.38
4.00	33,167.25	10.41	15.00	32,197.41	10.38
5.00	32,903.50	10.40	16.00	31,924.50	10.37
6.00	33,067.87	10.41	17.00	32,012.52	10.37
7.00	32,858.69	10.40	18.00	31,872.13	10.37
8.00	32,759.00	10.40	19.00	31,653.17	10.36
9.00	32,510.07	10.39	20.00	31,727.94	10.36
10.00	32,608.19	10.39			

Quantity	*Measured*	*Lower Limit*	*Upper Limit*	*Acceptable*
Decay Constant	0.00283	-	-	
Slope Standard Deviation (cfm)	0.11	-	2.00	YES
Background at Injection (part/cc)	0.631	-	20.00	YES
Initial Concentration (part/cc)	33730	24000	35000	YES
Data points used	21	9	-	YES
Average Temperature (°F)	70	65	75	YES
Average Humidity (%RH)	39	35	45	YES
Average Input Voltage (volts)	0.0			
Average Test Unit Power (watts)	0.0			

Intertek

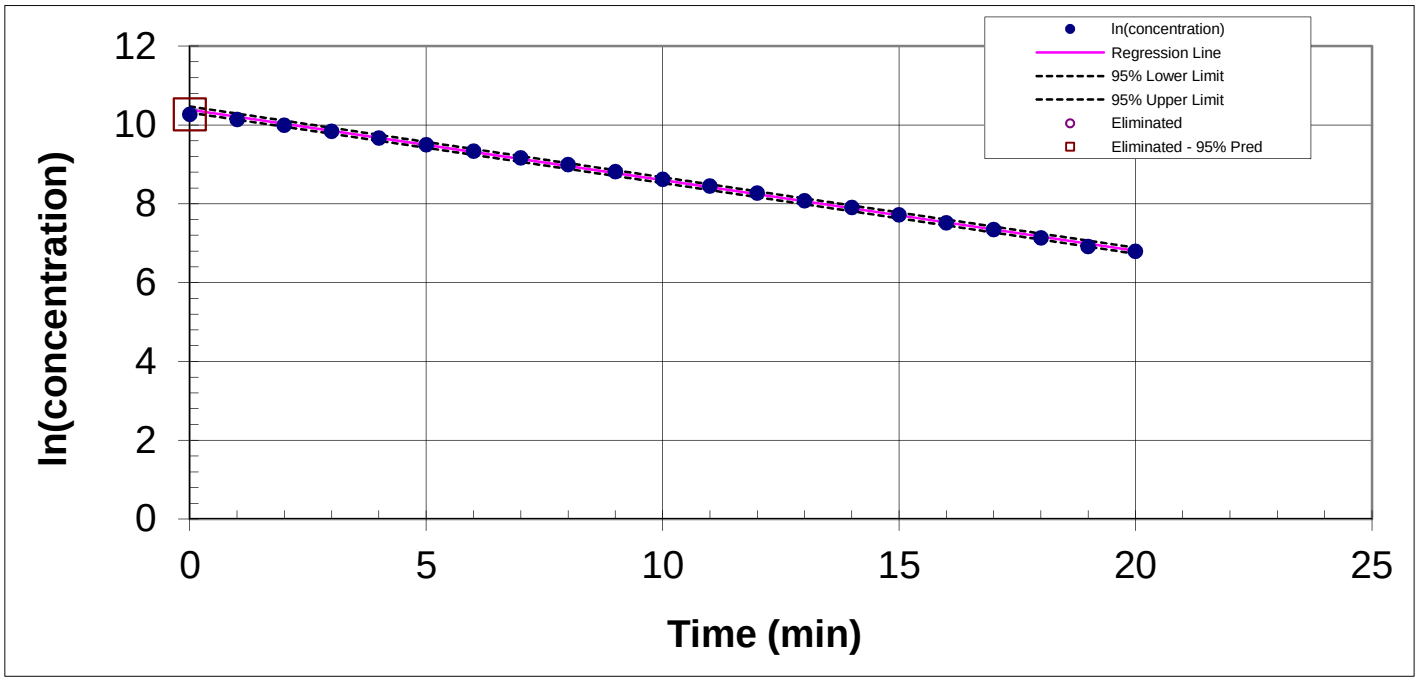
Test By: CK
Reviewed By: LSB

Order Number G101659992
Date 10/06/14 19:22:00

AC-1 Air Cleaner Testing Facility

Control Number 1409180907-002
Test Number AC-14079 WACP300

Smoke Measured



TIME(MIN)	Cti	ln(Cti)		TIME(MIN)	Cti	LN(Cti)
0.00	28,855.95	10.27	(eliminated - 95% pred.)	11.00	4,658.67	8.45
1.00	25,239.68	10.14		12.00	3,906.52	8.27
2.00	21,884.03	9.99		13.00	3,225.99	8.08
3.00	18,664.66	9.83		14.00	2,712.04	7.91
4.00	15,854.19	9.67		15.00	2,251.41	7.72
5.00	13,342.81	9.50		16.00	1,833.06	7.51
6.00	11,317.93	9.33		17.00	1,550.05	7.35
7.00	9,543.24	9.16		18.00	1,256.32	7.14
8.00	8,042.41	8.99		19.00	1,007.08	6.91
9.00	6,761.48	8.82		20.00	895.07	6.80
10.00	5,548.38	8.62				

Quantity	*Measured*	*Lower Limit*	*Upper Limit*	*Acceptable*
Decay Constant	0.17899	-	-	
Slope Standard Deviation (cfm)	1.33	-	18.04	YES
Background at Injection (part/cc)	3.786	-	20.00	YES
Initial Concentration (part/cc)	33393	24000	35000	YES
Data points used	20	9	-	YES
Average Temperature (°F)	70	65	75	YES
Average Humidity (%RH)	37	35	45	YES
Average Input Voltage (volts)	120.1			
Average Test Unit Power (watts)	61.2			

CADR	**177.57**			
CADR Standard Deviation	1.3		17.8	YES

Intertek

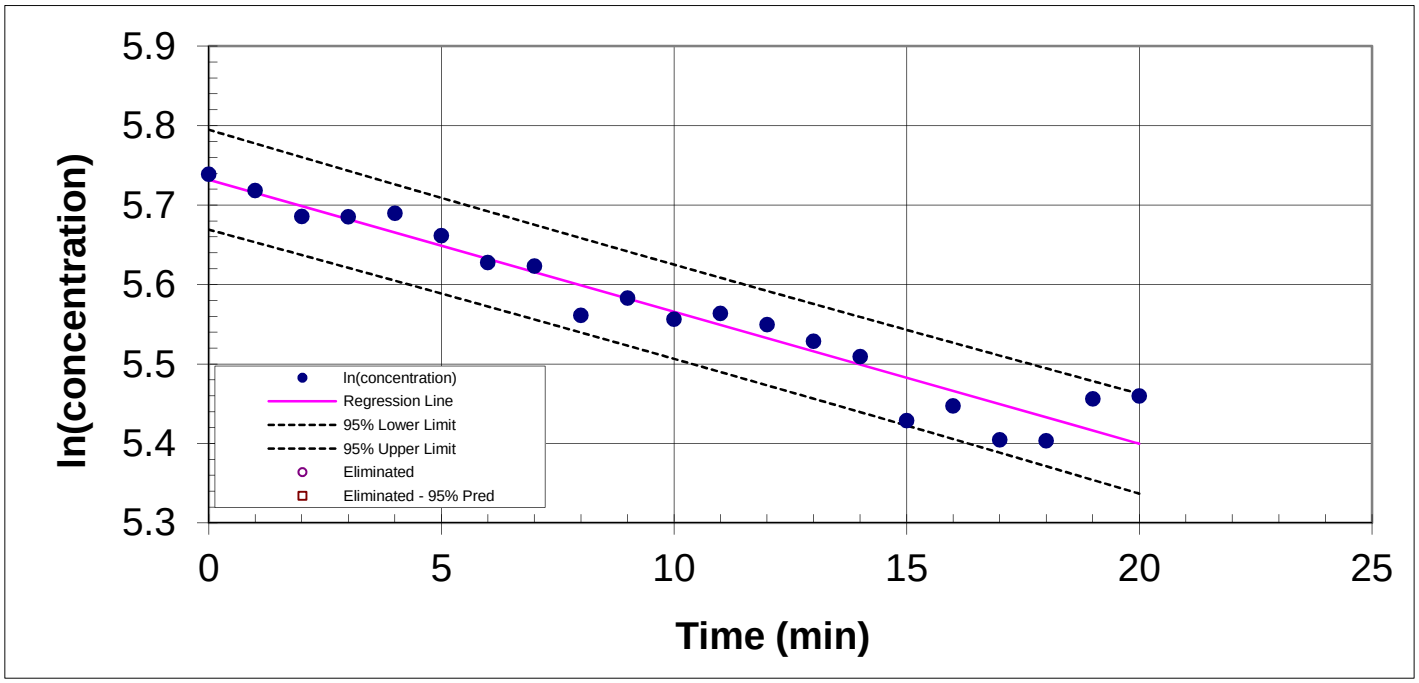
Test By: np
Reviewed By: LSB

Order Number G101659992
Date 10/20/14 14:14:57

AC-1 Air Cleaner Testing Facility

Control Number 1409180907-002
Test Number AC-14079 WACP300

Dust Natural



TIME(MIN)	Cti	ln(Cti)	TIME(MIN)	Cti	LN(Cti)
0.00	310.72	5.74	11.00	260.77	5.56
1.00	304.35	5.72	12.00	257.11	5.55
2.00	294.65	5.69	13.00	251.84	5.53
3.00	294.46	5.69	14.00	247.02	5.51
4.00	295.83	5.69	15.00	227.86	5.43
5.00	287.53	5.66	16.00	232.17	5.45
6.00	278.01	5.63	17.00	222.43	5.40
7.00	276.85	5.62	18.00	222.13	5.40
8.00	260.10	5.56	19.00	234.20	5.46
9.00	265.85	5.58	20.00	235.05	5.46
10.00	258.85	5.56			

Quantity	*Measured*	*Lower Limit*	*Upper Limit*	*Acceptable*
Decay Constant	0.01661	-	-	
Slope Standard Deviation (cfm)	1.01	-	1.67	YES
Background at Injection (part/cc)	0.03	-	0.03	YES
Initial Concentration (part/cc)	310.7	200	400	YES
Data points used	21	9	-	YES
Average Temperature (°F)	75	65	75	YES
Average Humidity (%RH)	38	35	45	YES
Average Input Voltage (volts)	0.0			
Average Test Unit Power (watts)	0.0			
Coefficient of Determination	0.935	0.900	-	YES

Intertek

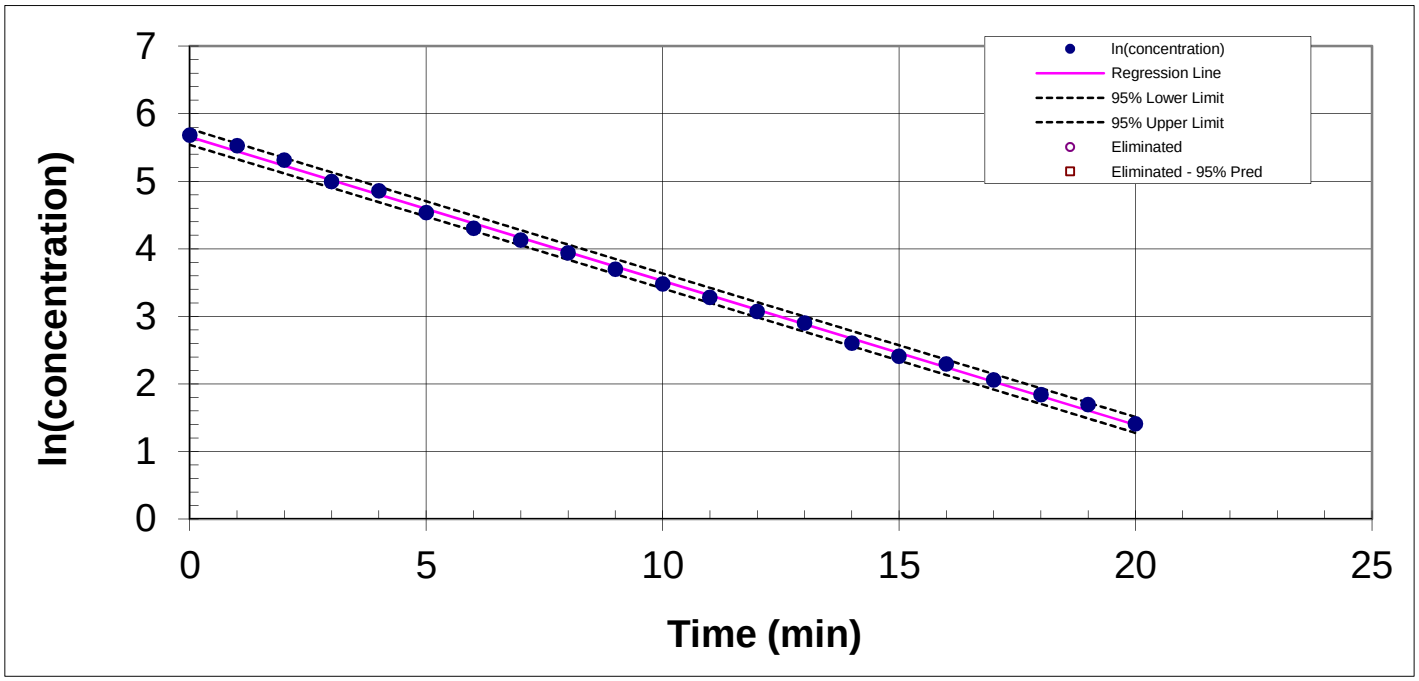
Test By: np
Reviewed By: LSB

Order Number G101659992
Date 10/20/14 15:08:28

AC-1 Air Cleaner Testing Facility

Control Number 1409180907-002
Test Number AC-14079 WACP300

Dust Measured



TIME(MIN)	Cti	ln(Cti)	TIME(MIN)	Cti	LN(Cti)
0.00	293.65	5.68	11.00	26.56	3.28
1.00	250.51	5.52	12.00	21.62	3.07
2.00	202.80	5.31	13.00	18.21	2.90
3.00	147.64	4.99	14.00	13.48	2.60
4.00	128.91	4.86	15.00	11.14	2.41
5.00	93.48	4.54	16.00	9.91	2.29
6.00	73.91	4.30	17.00	7.82	2.06
7.00	61.99	4.13	18.00	6.29	1.84
8.00	51.46	3.94	19.00	5.46	1.70
9.00	40.31	3.70	20.00	4.10	1.41
10.00	32.48	3.48			

Quantity	*Measured*	*Lower Limit*	*Upper Limit*	*Acceptable*
Decay Constant	0.21318	-	-	
Slope Standard Deviation (cfm)	1.9	-	21.49	YES
Background at Injection (part/cc)	0.024	-	0.03	YES
Initial Concentration (part/cc)	293.7	200	400	YES
Data points used	21	9	-	YES
Average Temperature (°F)	72	65	75	YES
Average Humidity (%RH)	37	35	45	YES
Average Input Voltage (volts)	120.0			
Average Test Unit Power (watts)	60.2			
Coefficient of Determination	0.999	0.900	-	YES

CADR	**198.14**			
CADR Standard Deviation	2.2	0.9	19.8	YES

Intertek

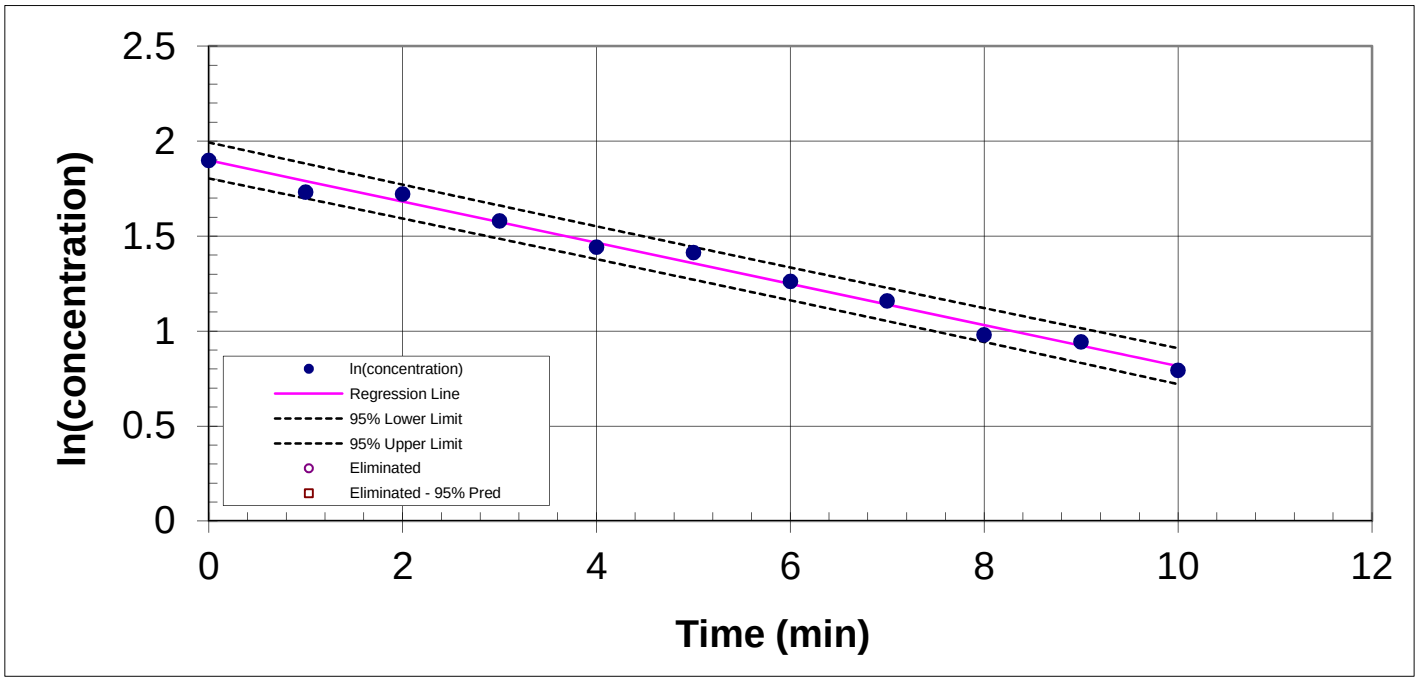
Test By: np
Reviewed By: LSB

Order Number G101659992
Date 10/20/14 16:17:47

AC-1 Air Cleaner Testing Facility

Control Number 1409180907-002
Test Number AC-14079 WACP300

Pollen Natural



TIME(MIN)	Cti	ln(Cti)	TIME(MIN)	Cti	LN(Cti)
0.00	6.67	1.90			
1.00	5.65	1.73			
2.00	5.59	1.72			
3.00	4.86	1.58			
4.00	4.23	1.44			
5.00	4.11	1.41			
6.00	3.53	1.26			
7.00	3.19	1.16			
8.00	2.67	0.98			
9.00	2.57	0.94			
10.00	2.21	0.79			

Quantity	*Measured*	*Lower Limit*	*Upper Limit*	*Acceptable*
Decay Constant	0.10832	0.095	0.143	YES
Slope Standard Deviation (cfm)	3.6	-	10.92	YES
Background at Injection (part/cc)	0.03	-	0.03	YES
Initial Concentration (part/cc)	6.672	4	9.5	YES
Data points used	11	5	-	YES
Average Temperature (°F)	75	65	75	YES
Average Humidity (%RH)	41	35	45	YES
Average Input Voltage (volts)	0.0			
Average Test Unit Power (watts)	0.0			
Coefficient of Determination	0.990	0.900		YES

Intertek

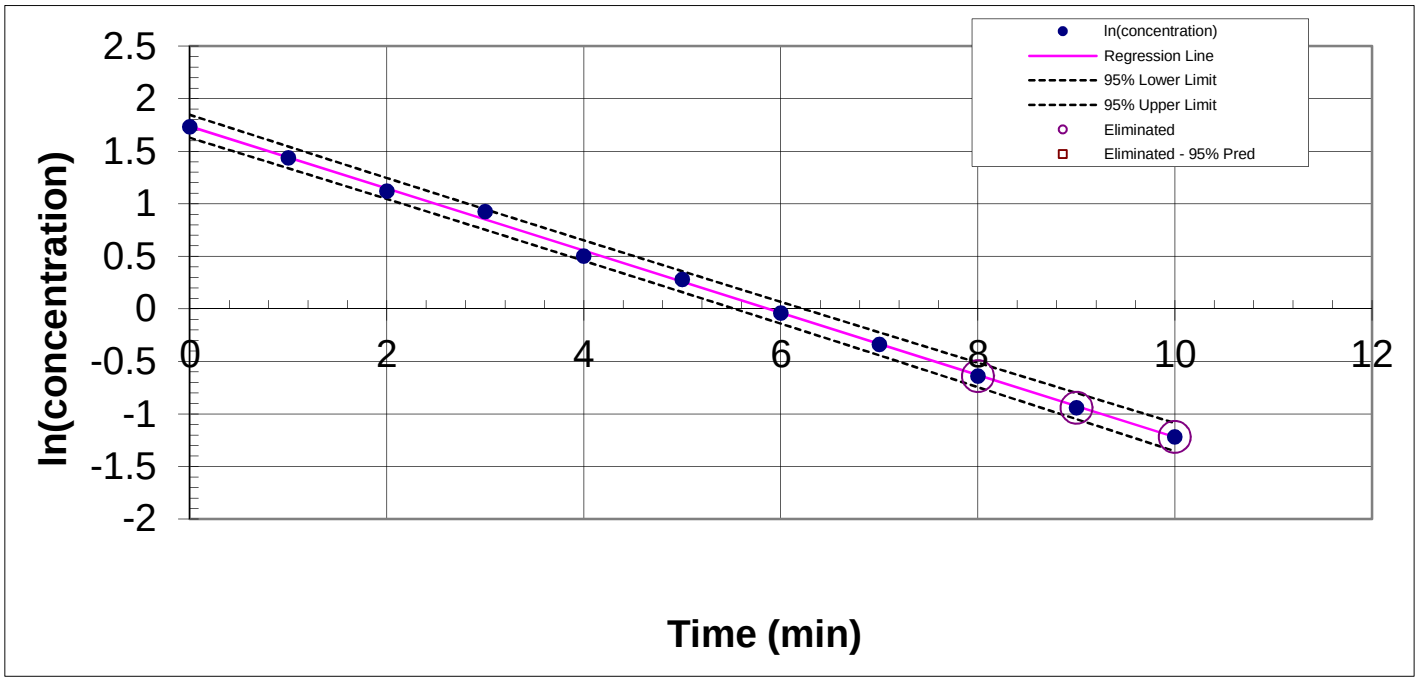
Test By: np
Reviewed By: LJB

Order Number G101659992
Date 10/20/14 17:51:50

AC-1 Air Cleaner Testing Facility

Control Number 1409180907-002
Test Number AC-14079 WACP300

Pollen Measured



TIME(MIN)	Cti	ln(Cti)		TIME(MIN)	Cti	LN(Cti)
0.00	5.66	1.73				
1.00	4.21	1.44				
2.00	3.07	1.12				
3.00	2.52	0.92				
4.00	1.65	0.50				
5.00	1.32	0.28				
6.00	0.96	-0.04				
7.00	0.71	-0.34				
8.00	0.53	-0.64	(eliminated - measurability)			
9.00	0.39	-0.94	(eliminated - measurability)			
10.00	0.30	-1.22	(eliminated - measurability)			

Quantity	*Measured*	*Lower Limit*	*Upper Limit*	*Acceptable*
Decay Constant	0.29571	-	-	
Slope Standard Deviation (cfm)	6.19	-	29.81	YES
Background at Injection (part/cc)	0.026	-	0.03	YES
Initial Concentration (part/cc)	5.66	4	9.5	YES
Data points used	8	5	-	YES
Average Temperature (°F)	70	65	75	YES
Average Humidity (%RH)	41	35	45	YES
Average Input Voltage (volts)	120.0			
Average Test Unit Power (watts)	59.1			
Coefficient of Determination	0.997	0.900		YES

CADR	**188.89**			
CADR Standard Deviation	7.2	-	37.8	YES

Intertek

Test By: CK
Reviewed By: LJB

Order Number G101659992
Date 10/20/14 15:08:28

AC-1 Air Cleaner Testing Facility

Control Number 1409180907-002
Test Number AC-14079 WACP300

Operating Power

Quantity	Measured	Lower Limit	Upper Limit	Acceptable
Operating Power (watts)	60.2			
Operating Voltage (volts)	120.0	119	121	YES
Points Used	13	10		YES
Dust CADR	198.14			
Energy Star (CADR/Watt)	3.3	2.0		YES

Operating Power (watts)	**60.2**			

Intertek

Test By: np
Reviewed By: LSB

Order Number G101659992
Date 10/20/14 14:14:57

AC-1 Air Cleaner Testing Facility

Control Number 1409180907-002
Test Number AC-14079 WACP300

Standby Power

Quantity	*Measured*	*Lower Limit*	*Upper Limit*	*Acceptable*
Standby Watt Variation	19.90%		5%	NO np
Standby Duration (minutes)	298.5	5		YES
Standby Voltage (volts)	115.2	114	116	YES
Standby Frequency (Hz)	60.0	59	61	YES
Standby Temp (degF)	71.8	64.4	82.4	YES
Standby THD (%)	0.22%		2%	YES

Standby Power (watts)	**1.3**		2.0	YES