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Air Cleaner Test Report

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1. Sample Description

Product	:	Air Cleaner
Brand Name	:	b-MOLA
Model(s)	:	NCCO1802
No. of Sample Received	:	1
Test Date	:	06 Dec 2018 – 06 Dec 2018
Test Standard(s)		GB/T 18801-2015
Test Item(s)	:	Clean Air Delivery Rate (CADR) for chemical pollutant
Test Result	:	See the attached sheets

2. Detail Description of the sample

b-MOLA/NCCO1802

NCCO Filter and HEPA

3. Result of Clean Air Delivery Rate (CADR) for chemical pollutant

Brand / Model No.	Operating Mode	Test Chemical	Natural Decay Rate	CADR (m^3/h)
b-MOLA/NCCO1802	Blue Light	Acetone	0.0007	4.4

Tests were performed in accordance to GB/T 18801-2015.

1. Test Chemical

   Acetone

2. Test Environment

   Temperature: (25 ± 2) ℃

   Relative Humidity: (50 ± 10) %

3. Test Procedure

   1) Place the air cleaner into the testing chamber. Open the air cleaner to the highest operation power to check if it is function correctly. Then turn off the air cleaner and close the testing chamber door.
   2) Turn on high efficiency air filter of the testing chamber until the concentration of particles (≥0.3 μm) is less than 1000 particle/L.
   3) Record the background acetone concentration and turn of the high efficiency air filter of the testing chamber.
   4) Inject gaseous acetone into the testing chamber until the concentration reaches specific concentration stated in standard, close the chemical injector and turn on the mixing fan for 10 minutes.
   5) When the mixing fan is completely stop, record the initial concentration of acetone as C_0.
   6) Turn on the sample air purifier. Record acetone concentration every 5 minutes for the next 60 minutes.
   7) Repeat Procedure 1) – 6) without turning on the air cleaner, record the natural decay rate of the testing chamber.

4. Calculation

$$CADR\ (m^3/h) = 60x(k_e - k_n)xV$$

k_e:	Total decay rate	(min^{-1})
k_n:	Natural decay rate	(min^{-1})
V:	Volume of the testing chamber	(m^3)

End of Report