

TEST REPORT

Report No. : AA0032802(4)

Date : 14 Jul 2021

Application No. : LA018458(4)

Applicant : NANO AND ADVANCED MATERIALS INSTITUTE LIMITED
UNIT 517-518, 5/F, LAKESIDE 1,
NO. 8 SCIENCE PARK WEST AVENUE,
HONG KONG SCIENCE PARK, SHATIN,
NEW TERRITORIES, HONG KONG

Sample Description : One (1) submitted sample stated to be Air Purifier.

Date Received : 29 Jun 2021.

Test Period : 29 Jun 2021 to 07 Jul 2021.

Test Requested : Removal Performance Tests for the following items
Volatile Organic Compounds (VOC);
Formaldehyde (HCHO);
Carbon Monoxide (CO);
Nitrogen Dioxide (NO₂);
Hydrogen Sulfide (H₂S);
Ammonia (NH₃);
Nitrogen Monoxide (NO).

Anti-microbial Performance Tests for the following items
Airborne Bacteria (TBC);
Yeast and Mold (YM);
Staphylococcus Aureus (S. Aureus);
Escherichia Coli (E. Coli).

Emission Test of the following item
Ozone (O₃).

Test Result : Refer to the results on page 2.

For and on behalf of
CMA Industrial Development Foundation Limited

Authorized Signature :

Tang Tsz Wang
Manager



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Results

Removal Performance Test (Testing period: 60 minutes)

Operation Time (minutes)	VOC	HCHO	CO	NO ₂	H ₂ S	NH ₃	NO
Unit	ppbv	ppmv	ppmv	mg/m ³	ppmv	mg/m ³	mg/m ³
0	8,228	1.62	9	1.22	1.31	0.524	1.16
15	1,066	0.37	0	0.12	0.51	0.062	0.11
30	729	0.24	1	0.08	0.26	0.053	0.09
60	533	0.16	1	0.09	0.04	0.031	0.14

Removal Performance Test (Testing period: 60 minutes)

Operation Time (minutes)	TBC	YM	S. Aureus	E. Coli
Unit	CFU/m ³			
0	712	46	8.9 x 10 ⁵	1.8 x 10 ⁶
15	86	9	2.4 x 10 ⁵	5.1 x 10 ⁵
30	27	7	5.2 x 10 ⁴	1.2 x 10 ⁵
60	30	8	2.7 x 10 ³	8.9 x 10 ³

Emission Test (Testing period: 24 hours)

Parameter	Ozone
Unit	ppbv
Minimum	0
Maximum	0
Average	0