

TEST REPORT

Customer: AF INNOVATION CO., LTD.
Address: 377/22 One Building 3rd Fl., Khlong Lamchiak Rd.,
 Nuanchan, Buengkum, Bangkok 10230 Thailand
 Telephone : 02-9460224-5
 Telefax : -
Attn.: Khun Nantazan
 e-mail; nantazan0402@gmail.com

Report no.: MTP/2022/06400
 Revision no.: 0
 Issued date: 31-08-2022
 Sample received date: 02-08-2022
 Sample tested date: 02-08-2022
 Test completed date: 31-08-2022
 Page: 1 of 1

Sample description

Sample no.: MTP/2022/06400
 Sample type: Air sample
 Sampling Location: Intertek (Phaholyothin) meeting room (22 sq.m.)
 Sample name: Natural Air Fresh machine
 Sampling date/ time: 02-08-2022/ 08:00 hrs. and 17:00 hrs.
 Sampling by: Intertek Testing Services (Thailand) Ltd.

Item	Test parameter	Method	Unit	Results	
				Before*	After**
1	Total VOCs ^{1/}	Gas Chromatography Method	ppm	8.35	5.65
2	Sulfur Dioxide (SO ₂) ^{1/}	Ion Chromatography Method	ppm	8.40	3.65
3	Nitrogen dioxide (NO ₂)	Electrochemical sensor Method	ppm	0.2	0.1
4	Formaldehyde ^{1/}	Gas Chromatography Method	ppm	0.27	N.D.
5	Carbon dioxide (CO ₂)	Gas Chromatography Method	ppm	472	288
6	Ozone ^{1/}	Ultraviolet Absorption Photometry Method	ppm	0.0148	0.0103

Remarks: "The test results relate only to the items tested and are not intended to be a recommendation for any particular course of action. Customer is responsible for acting as it sees fit on the basis of such results. All work is performed in accordance with Intertek Standard Terms and Conditions of Service which is available on request and at <http://www.intertek.com/terms>.

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* Before = Before open Natural Air Fresh machine

** After = After open Natural Air Fresh machine 8 hr.

N.D. = Not detected.

^{1/} Analysis by External Lab

Approved by:



(Signature)

Warattha Rojjirawaris
 Asst. Laboratory Manager

Intertek Testing Services (Thailand) Ltd.

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TEST REPORT

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TESTING

No.0125

Report No.: BKKH22003641

Issued Date: Apr 01, 2022

Applicant: AF INNOVATION CO., LTD.
377/22 ONE BUILDING 3RD FL., KHLONG LAMCHIAK RD.,
NUANCHAN, BUENKUM, BANGKOK 10230 THAILAND
ATTN: MR.NANTAZANT

Sample Description:

Two (2) points of submitted sample said to be Air sampling from;

ASP-20 (20 sq.m.)

- 1) Before turn on machine
- 2) After turn on machine at 7.5 hrs, 18 sq.m. (with turn on the electric fan)

Date sample received: March 23, 2022



BKKH22003641

Test conducted:

As requested by the applicant, for details please refer to attached page(s)

For and on behalf of :
Intertek Testing Services (Thailand) Ltd.,
Hardlines Laboratory



Ladtaka Wongwiboonporn
Operation Manager
Hardlines Department

TEST REPORT

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TESTING

No.0125

Report No.: BKKH22003641

Test conducted:

Test result

Microbiological test for Indoor air quality

With reference to Compendium of Method for the Microbiological Examination of Foods, 5th ed: 2015, chapter 3 item 3.1022 and chapter 8 and chapter 21.

Location	Result	
	Mesophilic aerobic plate count, CFU/m ³	Yeast and Mold count, CFU/m ³
1) Before turn on machine	215	550*
2) After turn on machine at 7.5 hrs, 18 sq.m. (with turn on the electric fan)	115	225
Limit#	500	500

Remark: CFU/m³= Colony forming unit per cubic meter
= Specification provided by applicant: Institute of Environmental Epidemiology, Ministry of the Environment (Singapore): Guidelines for good indoor air quality in office premises.
* = Failed items

Testing period March 23, 2022 to April 01, 2022

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TESTING

No.0125

Report No.: BKKH22004618

Issued Date: Apr 27, 2022

Applicant: AF INNOVATION CO., LTD.
377/22 ONE BUILDING 3RD FL., KHLONG LAMCHIAK RD.,
NUANCHAN, BUENKUM, BANGKOK 10230 THAILAND
ATTN: MR.NANTAZANT

Sample Description:

Two (2) points of submitted sample said to be Air sampling from;

ASP-40 (40 sq.m.)

- 1) Before turn on machine
- 2) After turn on machine at 4 hrs, 18 sq.m. (with turn on the electric fan)

Date sample received: April 19, 2022



BKKH22004618

Test conducted:

As requested by the applicant, for details please refer to attached page(s)

For and on behalf of :
Intertek Testing Services (Thailand) Ltd.,
Hardlines Laboratory



Ladtaka Wongwiboonporn
Operation Manager
Hardlines Department

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TESTING

No.0125

Report No.: BKKH22004618

Test conducted:

Test result

Microbiological test for Indoor air quality

With reference to Compendium of Method for the Microbiological Examination of Foods, 5th ed: 2015, chapter 3 item 3.1022 and chapter 8 and chapter 21.

Location		Result	
		Mesophilic aerobic plate count, CFU/m ³	Yeast and Mold count, CFU/m ³
1)	Before turn on machine	615*	555*
2)	After turn on machine at 4 hrs, 18 sq.m. (with turn on the electric fan)	240	165
Limit#		500	500

Remark: CFU/m³= Colony forming unit per cubic meter
= Specification provided by applicant: Institute of Environmental Epidemiology, Ministry of the Environment (Singapore): Guidelines for good indoor air quality in office premises.
* = Failed items

Testing period April 19, 2022 to April 27, 2022

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No.0125

Report No.: BKKH22004619

Issued Date: Apr 27, 2022

Applicant: AF INNOVATION CO., LTD.
377/22 ONE BUILDING 3RD FL., KHLONG LAMCHIAK RD.,
NUANCHAN, BUENKUM, BANGKOK 10230 THAILAND
ATTN: MR.NANTAZANT

Sample Description:

Two (2) points of submitted sample said to be Air sampling from;

ASP-80 (80 sq.m.)

- 1) Before turn on machine
- 2) After turn on machine at 2 hrs, 18 sq.m. (with turn on the electric fan)

Date sample received: April 19, 2022



BKKH22004619

Test conducted:

As requested by the applicant, for details please refer to attached page(s)

For and on behalf of :
Intertek Testing Services (Thailand) Ltd.,
Hardlines Laboratory



Ladtaka Wongwiboonporn
Operation Manager
Hardlines Department

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TESTING

No.0125

Report No.: BKKH22004619

Test conducted:

Test result

Microbiological test for Indoor air quality

With reference to Compendium of Method for the Microbiological Examination of Foods, 5th ed: 2015, chapter 3 item 3.1022 and chapter 8 and chapter 21.

Location		Result	
		Mesophilic aerobic plate count, CFU/m ³	Yeast and Mold count, CFU/m ³
1)	Before turn on machine	485	495
2)	After turn on machine at 2 hrs, 18 sq.m. (with turn on the electric fan)	195	210
Limit#		500	500

Remark: CFU/m³= Colony forming unit per cubic meter
= Specification provided by applicant: Institute of Environmental Epidemiology, Ministry of the Environment (Singapore): Guidelines for good indoor air quality in office premises.
* = Failed items

Testing period April 19, 2022 to April 27, 2022

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TESTING

No.0125

Report No.: BKKH22008093

Issued Date: Jul 22, 2022

Applicant: AF INNOVATION CO., LTD.
377/22 ONE BUILDING 3RD FL., KHLONG LAMCHIAK RD.,
NUANCHAN, BUENKUM, BANGKOK 10230 THAILAND
ATTN: MR.NANTAZANT

Sample Description:

Two (2) points of submitted sample said to be Air sampling from;

ASP-480 (480 sq.m.)

- 1) Before turn on machine
- 2) After turn on machine at 8 hrs, 18 sq.m. (with turn on the electric fan)

Date sample received: July 11, 2022



BKKH22008093

Test conducted:

As requested by the applicant, for details please refer to attached page(s)

For and on behalf of :
Intertek Testing Services (Thailand) Ltd.,
Hardlines Laboratory



Ladtaka Wongwiboonporn
Operation Manager
Hardlines Department

TEST REPORT

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TESTING

No.0125

Report No.: BKKH22008093

Test conducted:

Test result

Microbiological test for Indoor air quality

With reference to Compendium of Method for the Microbiological Examination of Foods, 5th ed: 2015, chapter 3 item 3.1022 and chapter 8 and chapter 21.

<u>Location</u>		<u>Result</u>	
		Mesophilic aerobic plate count, CFU/m ³	Yeast and Mold count, CFU/m ³
1)	Before turn on machine	735*	590*
2)	After turn on machine at 8 hrs, 18 sq.m. (with turn on the electric fan)	210	420
Limit [#]		500	500

Remark: CFU/m³ = Colony forming unit per cubic meter
= Specification provided by applicant: Institute of Environmental Epidemiology, Ministry of the Environment (Singapore): Guidelines for good indoor air quality in office premises.
* = Failed items

Testing period July 08, 2022 to July 22, 2022

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