TEST REPORT

Report No	:	A10024550(6)	Date : 2024-06-17

Application No : L1012261(2)

Applicant : TREASURE PURIFICATION TECHNOLOGY (HK) LTD.
ROOM C, 4/F, CHINA BUILDING
48 CAMERON RD, TSIM SHA TSUI,
KOWLOON, H.K.

Sample Description : One (1) submitted sample(s) stated to be :
  Item Name : TX-5 Nano Catalyst
  Item No. : TX-5-C1 Catalyst Series

Date Received : 2024-05-30.
  2024-06-06.

Test Period : 2024-05-30 to 2024-06-17.

Test Requested : Formaldehyde Removal Performance Test

Test Result : Refer to the result pages for details.

For and on behalf of
CMA Industrial Development Foundation Limited

Authorized Signature : _____   Page 1 of 5

Wan Leong Hang
Technical Manager

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Method

Formaldehyde Removal Performance

%Removal of Formaldehyde in testing chamber

Sample was applied on one side of a bamboo board (dimension = 27.5 cm * 18 cm), and the board was incubated in a testing chamber at 25ºC with certain amount of formaldehyde inside. The concentration changes of formaldehyde in the chamber were recorded every 30 minutes by a real-time formaldehyde meter. 1.5 hours data was taken for the removal calculation. The size of chamber was 40 cm x 26 cm x 23 cm. Removal efficiency was calculated as the following:

$$\% \text{ Removal efficiency} = \frac{\text{initial concentration} - \text{final concentration}}{\text{initial concentration}} \times 100\%$$

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Result

Run Time (min)	Formaldehyde (ppmv)	% of removal
0	9.97	
30	3.87	
60	0.87	
90	0.43	
		95.7 %

Note: Results only representative over the specified sampling area and periods.
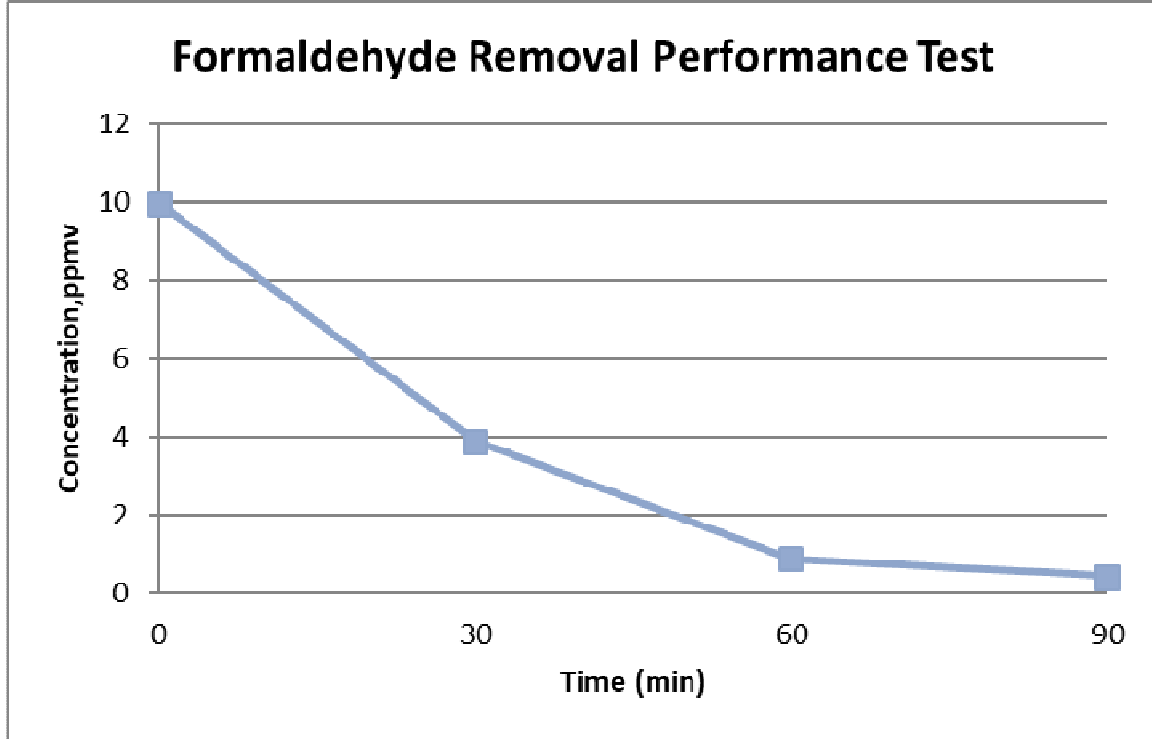ppmv donates part per million by volume.

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Appendix

Formaldehyde Removal Performance Test

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<u>Appendix</u>

***** End of Report *****