

TEST REPORT: 7191365938-CHM25-01-JH_CR1
(Re-Issue Date: 10 Sep 2025)



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Date: 03 SEP 2025

Email: James.HUANG@tuvsud.com

Client's Ref: -

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SUBJECT

Antibacterial Activity Evaluation

CLIENT

Yi Hu Fish Farm Trading
71 Jalan Lekar
Singapore 698950

Attn: Mr. Yeo Kian Kuang

SAMPLE SUBMISSION DATE / TEST DATE

06 Aug 2025 / 21 Aug 2025

DESCRIPTION OF SAMPLE

One sample of cat litter was submitted:

Product Type : Vikang Antimicrobial Bentonite Cat Litter



Figure 1: Product Packaging design



Laboratory:
TÜV SÜD PSB Pte. Ltd.
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TÜV SÜD @ IBP
Singapore 609937
TUV®



METHOD OF TEST

Based on ISO 22196 : 2011 "Measurement of antibacterial activity on plastics and other non-porous surfaces".

The test microorganisms used were :

Staphylococcus aureus (ATCC 6538P)

Escherichia coli (ATCC 8739)

Size of material prepared: 5 cm x 5 cm

Size of film: 4 cm x 4 cm polyethylene film

Volume of test inoculum : 0.2 ml



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RESULTS

Test microorganism (Bacterial cells inoculated per test piece)	Average of the number of viable cells of test microorganism per test piece		Percentage Reduction (%)	Value of Antibacterial Activity
	0 hour	6 hours		
<i>Staphylococcus aureus</i> (ATCC 6538P)				
Control film	100 000	3 800 000	-	-
Vikang Antimicrobial Bentonite Cat Litter	-	2400	99.94	3.19

Test microorganism (Bacterial cells inoculated per test piece)	Average of the number of viable cells of test microorganism per test piece		Percentage Reduction (%)	Value of Antibacterial Activity
	0 hour	6 hours		
<i>Escherichia coli</i> (ATCC 8739)				
Control film	120 000	7 200 000	-	-
Vikang Antimicrobial Bentonite Cat Litter	-	280	99.996	4.42

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Remarks :

The above test results relate to the sample(s) as received.

Amendment

This test report was amended from 7191365938-CHM25-01-JH on 10 Sep 2025.

The following changes were made:

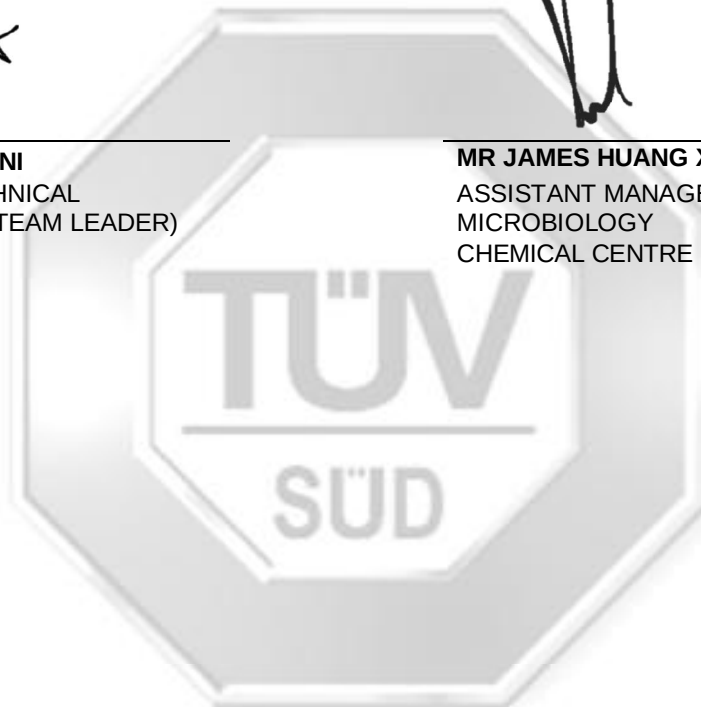
- Under Description of Sample and Results, sample description was updated.
- A column for Percentage Reduction was added in the Results table.

A handwritten signature in black ink, consisting of a stylized 'C' followed by 'XA'.

MS CHUA XINNI
SENIOR TECHNICAL
EXECUTIVE (TEAM LEADER)

A handwritten signature in black ink, consisting of a stylized 'J' followed by 'H'.

MR JAMES HUANG XUQING
ASSISTANT MANAGER
MICROBIOLOGY
CHEMICAL CENTRE



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Effective 27 March 2024

