

PHA Antimicrobial Liquid detergent for baby:

BLESSTAR® **EVER ECOLAR®**

Traits:

- ❑ Fully biodegradable, low carbon emission.
- ❑ Broad-spectrum antiviral/antimicrobial property.
- ❑ Non-toxic and non-allergenic.
- ❑ Excellent deodorant property
- ❑ Effective spray against bed bugs, and mites
- ❑ Simple preparation and cost-effectiveness.
- ❑ Stable and durable.



PHA Antimicrobial Liquid detergent for baby:

Standard: QB/T 2738-2012 7.4

Item tested: Bacteriostatic efficacy

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GUANGDONG DETECTION CENTER OF MICROBIOLOGY

REPORT FOR ANALYSIS

Report No.: 2023FM12056R01E

Name of Sample: PHA Antimicrobial liquid detergent for baby

Applicant: The Hong Kong Polytechnic University

Test Type: Entrustment Test

Address: Building 66, No.100 Central Xian Lie Road, Guangzhou, China
Postcode: 510070
Tel: +86 20 87137666
Fax: +86 20 87137668
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GUANGDONG DETECTION CENTER OF MICROBIOLOGY

REPORT FOR ANALYSIS

Report No.: 2023FM12056R01E Verification Code: 96137240

Name of Sample	PHA Antimicrobial liquid detergent for baby	Test Type	Entrustment Test
Applicant	The Hong Kong Polytechnic University	Address	11 Yuk Choi Road, Hung Hom, Kowloon, Hong Kong
Sample Source	Submitted for Testing by the Applicant	Sample Quantity	200ml
Spec and Lot No of Sample	DET-FU-BB-230603-BS-DET-BB-001-D5-230611	State and Characteristic	Liquid
Sample Received Date	2023-06-26	Test Completion Date	2023-07-24
Item Tested	Bacteriostatic efficacy		
Test Standard and Method	QB/T 2738-2012 7.4		
Test Conclusion	The test data of the sample(s) is attached to the page(s) of this report.		
Remarks	Issue Date: 2023-07-27 (Official Seal)		

Editor: Wujugan Verifier: Su Jie Approver: Xie Xianbo

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ANALYSIS AND TEST RESULT

Report No.: 2023FM12056R01E

Action concentration and time	The tested organism	Serial Number	The average number of bacteria in the control sample (cfu/pieces)	The average number of bacteria in the test sample (cfu/pieces)	The number of bacteria in the control group (cfu/pieces)	Bacteriostatic rate (%)
1: 100 20min	<i>Escherichia coli</i> 8099	1	1.5 × 10 ⁶	2.6 × 10 ⁶	1.6 × 10 ⁶	98
		2	1.2 × 10 ⁶	1.8 × 10 ⁶	1.4 × 10 ⁶	99
		3	1.3 × 10 ⁶	2.1 × 10 ⁶	1.4 × 10 ⁶	98
Average						98

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