



Test Report

Date : 2020-12-14
No. : HC20120020

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Applicant (Code:08313392) : Sunlight Eco-tech Limited
Unit 507 Enterprise Place
5 Science Park West Avenue
Shatin NT HK

Description of Sample(s) : One submitted sample said to be 納米二氧化鈦水相分散液.
Item No. : PS001
Batch / Lot No. : 20201101
Country of Origin : China

Sample(s) Received Condition(s): In plastic bag under ambient temperature

Date Sample(s) Received : 2020-12-01

Date Tested : 2020-12-03 to 2020-12-05

Investigation Requested : Antimicrobial Effectiveness against
- *Escherichia coli* 大腸桿菌 (ATCC 8739)
- *Staphylococcus aureus* 金黃葡萄球菌 (ATCC 6538)

LAU Yuk Kuen, Joey
Authorized Signatory

Chemical and Food Department
For and on behalf of

The Hong Kong Standards and Testing Centre Ltd



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The Hong Kong Standards and Testing Centre Limited 香港標準及檢定中心有限公司
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Method(s) Used:

ASTM E2315-2016 (contact time : 2 minutes)

Test Result(s):

Antimicrobial Effectiveness against

Test Trial	納米二氧化鈦水相分散液	
	<i>Escherichia coli</i> 大腸桿菌 (ATCC 8739)	<i>Staphylococcus aureus</i> 金黃葡萄球菌 (ATCC 6538)
Average of controls (CFU/ml)	34,500,000	47,250,000
Average of samples (CFU/ml)	<100	<100
Bacteria Reduction Rate	>99.99%	>99.99%

Notes: - CFU/ml denotes Colony Forming Unit per milliliter

- > denotes larger than

- Bacteria Reduction Rate = $\frac{\text{Average of controls} - \text{Average of samples}}{\text{Average of controls}} \times 100$

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

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