

TEST REPORT

Applicant: LOHASLORE LIMITED
9/F TING SUN PLAZA
33 SHEUNG HEUNG RD
TO KWA WANKLN
HK

Number: HKGH02683538

Date: Feb 09, 2021

Submitted sample said to be :
Item Name : **HiROsan**
Destination : Hong Kong
Country of Origin : Japan
Quantity : 1 bottle
Sample Received Condition : Sample in closed plastic bottle



For and on behalf of :
Intertek Testing Services HK Ltd.

Cindy I.K. Chan
Vice President

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(1) Quantitative suspension test for evaluation of bactericidal activity of chemical disinfectants and antiseptics

Test Standard : BS EN 1276:2019.

Dilution recommended for use: No dilution

Product test concentration: 80% (v/v)

Ingredient in product: Apatite titanium dioxide, AG+, Silica, Purified Water

Appearance: Milky white liquid

Contact time: 1 hour

Test temperature: 20°C

Interfering substance: 0.3 g/L bovine albumin (clean condition)

Inhibition method: Dilution-neutralization

Neutralizing solution: D/E neutralizing broth - double strength (sodium thioglycollate 2.0 g/L, sodium thiosulfate 12.0 g/L, sodium bisulfite 5.0 g/L, Polysorbate 80 10.0 g/L, lecithin 14.0 g/L)

Incubation: 37°C, 48 hours

Agar medium: Trypticase Soy Agar

Test culture: *Escherichia coli* (ATCC 10536)
Pseudomonas aeruginosa (ATCC 15442)

Controls & validation:

<u>Test microorganism</u>	<u>Validation suspension</u> (N_v) Criteria: $300 \leq N_v \leq 1600$	<u>Method validation</u> Criteria: $\geq 0.05N_v$	<u>Validity</u>
<i>Escherichia coli</i> (ATCC 10536)	855	76	Valid
<i>Pseudomonas aeruginosa</i> (ATCC 15442)	795	74	Valid



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Result :

Test microorganism	Initial suspension (N) No = (1/10N) Criteria: $1.5 \times 10^8 \leq N \leq 5 \times 10^8$	Final count (Na)	R (Log ₁₀ Reduction) = Log No - Log Na Criteria: R ≥ 5.0	% Reduction Criteria: R ≥ 99.999	Assessment
<i>Escherichia coli</i> (ATCC 10536)	3.5 x 10 ⁸	<140	>5.3	>99.999	Satisfactory
<i>Pseudomonas aeruginosa</i> (ATCC 15442)	3.6 x 10 ⁸	<140	>5.4	>99.999	Satisfactory

Criteria: According to EN 1276, in order to satisfy the requirement of bactericidal efficacy of chemical disinfectants and antiseptics (for general purpose disinfection), the product shall demonstrate at least 5.0 log₁₀ reduction of the specified test organisms under the obligatory sample contact =time, test temperature, and the simulated clean conditions according to its practical applications when the product is tested at its intended use dilution.

Sample received condition: Sample in closed plastic bottle.

Date sample received : Jan 27, 2021
Testing period : Jan 27, 2021 to Feb 08, 2021

End of report

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