

TEST REPORT

Applicant: SAVEWO LIMITED
1/F
266-270 TEXACO RD
TSUEN WAN NT
HK

Attn: ZEN DING

Number: HKGH0285411903

Date: Apr 19, 2022

Sample and Information provided by customer :
Item Name : **FreshQ Portable Electrolytic Sterilizer – Disinfectant
3g Salt/300ml water, Mode 2 (5 mins)**

Conclusion:
The submitted sample was tested under the following requirements requested by the applicant, subject to the information stated in the remark and attached page(s) for details :

<u>Requirement</u>	<u>Result</u>
(1) Antibacterial Activity of Chemical Disinfectants and Antiseptics BS EN 1276:2019	Satisfactory

Decision Rule(s):
When a statement of conformity to a specification or standard is provided on test report, the decision rule shall be applied. For details, please refer to Intertek’s “Decision Rule Document” and is available on Intertek’s website. <https://intertekhk.grd.by/decision-rule-doc>.
If decision rule already in hered in the requested specification or standard, Intertek’s “Decision Rule Document” is not applicable and indication of “∞” was shown as above table.

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)

Active ingredient in product: Hypochlorite

Appearance: Colorless liquid

Contact time: 10 seconds

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* K12 (NCTC 10538)
Pseudomonas aeruginosa (ATCC 15442)
Staphylococcus aureus (ATCC 6538)
Enterococcus hirae (ATCC 10541)

Controls & validation :

<u>Test microorganism</u>	<u>Validation suspension (N_v)</u> Criteria: 300 ≤ N_v ≤ 1600	<u>Method validation</u> Criteria: ≥ 0.05 N_v	<u>Validity</u>
<i>Escherichia coli</i> K12 (NCTC 10538)	780	74	Valid
<i>Pseudomonas aeruginosa</i> (ATCC 15442)	1460	126	Valid
<i>Staphylococcus aureus</i> (ATCC 6538)	1280	122	Valid
<i>Enterococcus hirae</i> (ATCC 10541)	815	92	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> K12 (NCTC 10538)	4.4 x 10 ⁸	<140	>5.4	>99.999	Satisfactory
<i>Pseudomonas aeruginosa</i> (ATCC 15442)	5.0 x 10 ⁸	<140	>5.5	>99.999	Satisfactory
<i>Staphylococcus aureus</i> (ATCC 6538)	4.6 x 10 ⁸	<140	>5.5	>99.999	Satisfactory
<i>Enterococcus hirae</i> (ATCC 10541)	3.4 x 10 ⁸	<140	>5.3	>99.999	Satisfactory

Criteria: According to EN 1276, in order to satisfy the requirement of bactericidal efficacy of chemical disinfectants and antiseptics (for hand hygiene), 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.

Date sample received : Mar 25, 2022
 Testing period : Mar 28, 2022 to Apr 06, 2022

End of report

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