TEST REPORT

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

Attn: ZEN DING

Number: HKGH0285411901

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)**

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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 :

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

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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 inhered in the requested specification or standard, Intertek's "Decision Rule Document" is not applicable and indication of "∞" was shown as above table.

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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* (ATCC 10536) *Pseudomonas aeruginosa* (ATCC 15442) *Staphylococcus aureus* (ATCC 6538) *Enterococcus hirae* (ATCC 10541)

Controls & validation :

Test microorganism	Validation suspension (N_v) **Criteria: 300 ≤ N_v ≤ 1600**	Method validation **Criteria: ≥ 0.05 N_v**	Validity
Escherichia coli (ATCC 10536)	865	64	Valid
Pseudomonas aeruginosa (ATCC 15442)	1460	126	Valid
Staphylococcus aureus (ATCC 6538)	1280	122	Valid
Enterococcus hirae (ATCC 10541)	815	92	Valid

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Result :

Test microorganism	Initial suspension (N) No = (1/10N) **Criteria: $1.5x10^8 \leq N \leq 5x10^8$**	Final count (Na)	R (Log_{10} Reduction) = Log No - Log Na **Criteria: R ≥ 5.0**	% Reduction **Criteria: R ≥ 99.999**	Assessment
Escherichia coli (ATCC 10536)	3.4×10^8	<140	>5.3	>99.999	Satisfactory
Pseudomonas aeruginosa (ATCC 15442)	5.0×10^8	<140	>5.5	>99.999	Satisfactory
Staphylococcus aureus (ATCC 6538)	4.6×10^8	<140	>5.5	>99.999	Satisfactory
Enterococcus hirae (ATCC 10541)	3.4×10^8	<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 general purpose disinfection), the product shall demonstrate at least 5.0 log_{10} 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

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End of report

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