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SGS TEST REPORT SUMMARY

Issue Date: Jan 21 2020

Date of sample received: Aug 27 2019
 Testing period: Aug 27 2019 ~ Sep 25 2019

SAMPLE DESCRIPTION: EOG series generated ozone water

**CONTACT TIME:
5 SECONDS**



Test report	Test organism	Ozone concentration*, ppm	Contact time, s	Bacterial reduction rate, %	Contrast group, CFU/mL
ASH19-047197-15	<i>Escherichia coli</i> 8099	2.00	5	>99.999	2.3x10 ⁵
ASH19-047197-16	<i>Salmonella enterica subsp. Enterica</i> ATCC 14028	1.85	5	>99.999	2.2x10 ⁵
ASH19-047197-17	<i>Staphylococcus aureus</i> ATCC 6538	1.78	5	>99.999	3.7x10 ⁵
ASH19-047197-18	<i>Pseudomonas aeruginosa</i> ATCC 15442	2.00	5	>99.999	2.7x10 ⁵
ASH19-047197-19	<i>Candida Albicans</i> ATCC 10231	1.66	5	>99.999	3.4x10 ⁵
ASH19-047197-20	<i>Vibrio parahaemolyticus</i> AS 1.1997	1.75	5	>99.999	2.3x10 ⁵
ASH19-047197-21	<i>Aspergillus niger</i> ATCC 16404	1.78	5	93.091	1.1x10 ⁵

*Ozonated water prepared with EOD ozonation unit

TEST METHOD(S):

- The preparation of ozone water: use 1L tap water, add table salt into this tap water, when the total dissolved solids (TDS) of the solution meets the customer's requirements around 200 mg/L, put the HS EOG series ozone water generator supplied by client into the solution, turn on the machine till the ozone concentration is between 1.5 ppm and 2 ppm, then this solution will be used as the test solution.
- Test group: inoculate 1mL 10⁸CFU/mL bacterial suspension into the test solution, when the ozone water generator works 5s, 15s, 30s, 45s, 60s, conduct the plate count experiment.
- Contrast group: prepare 1L tap water (TDS ≈ 200 mg/L), inoculate 1mL 10⁸CFU/mL bacterial suspension into the tap water, when the ozone water generator works 5s, 15s, 30s, 45s, 60s, conduct the plate count experiment.