

Conclusion:

Tested Sample

Tested component(s) of
submitted sample(s)

Standard

ASTM E2315-16 Standard Guide for Assessment of
Antimicrobial Activity Using a Time-Kill Procedure

Result

See Tests Conducted

Test Report

Number: SHAH01245532

Tests Conducted

Standard Guide for Assessment of Antimicrobial Activity Using a Time-Kill Procedure

With reference to ASTM E2315-16

Dilution recommended for use: No dilution
Product test concentration: 95% v/v
Active ingredient in product: Benzalkonium Chloride, Alcohol
Appearance: Colorless transparent liquid
Contact time: 15s±5s
Test temperature: (20±2) °C
Incubation: (37±2) °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)
Culture suspension: 0.5 ml of culture added into 9.5 ml sample

Result:

<u>Test microorganism</u>	<u>Initial Count</u> (cfu/ml)	<u>Recovered count</u> (cfu/ml)	<u>Log₁₀ Reduction</u>	<u>%Reduction</u>
Escherichia coli (ATCC 10536)	3.0×10^8	<20	>5.0	>99.999
Pseudomonas aeruginosa (ATCC 15442)	2.5×10^8	<20	>5.0	>99.999
Staphylococcus aureus (ATCC 6538)	2.6×10^8	<20	>5.0	>99.999
Enterococcus hirae (ATCC 10541)	3.0×10^8	<20	>5.0	>99.999

Sample received condition: Sample in unopened original package.

Date sample received: Jul 31, 2020

Testing period: Jul 31, 2020 to Aug 13, 2020

