



AxiPolymer

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Gaia® Antimicrobial

AB 505

Test results on two of the most common causes of infection bacteria.

| Quantitative Assessment of Activity – ISO 22196:2011 | | | | |
|--|------------------------|-----------|----------------------|-------------|
| <i>S.aureus</i> | | | | |
| Concentration of starting inoculum | | | 3.39x10 ⁵ | |
| Sample Description | No. Bacteria Recovered | Log Value | R = [Log(B/C)] | % Reduction |
| White HDPE - Control | 1.63 x 10 ⁶ | 6.2 | --- | --- |
| White HDPE + 1.5% Gaia AB505 | <2.0 x 10 | <1.3 | >4.9 | >99.99 |
| White HDPE + 3% Gaia AB505 | <2.0 x 10 | <1.3 | >4.9 | >99.99 |

| Quantitative Assessment of Activity – ISO 22196:2011 | | | | |
|--|------------------------|-----------|----------------------|-------------|
| <i>E.coli</i> | | | | |
| Concentration of starting inoculum | | | 3.56x10 ⁵ | |
| Sample Description | No. Bacteria Recovered | Log Value | R = [Log(B/C)] | % Reduction |
| White HDPE - Control | 1.27 x 10 ⁷ | 7.1 | --- | --- |
| White HDPE + 1.5% Gaia AB505 | <2.0 x 10 | <1.3 | >5.8 | >99.99 |
| White HDPE + 3% Gaia AB505 | <2.0 x 10 | <1.3 | >5.8 | >99.99 |