

TEST CONDUCTED (AS REQUESTED BY THE APPLICANT)

1. Anti Bacterial Test JIS L 1902: 2008

**ANTIBACTERIAL ACTIVITY**

1. Test Bacteria: **Staphylococcus aureus ATCC 6538**

Quantitative Assessment of Activity - JIS L 1902: 2008				
UNTREATED FABRIC: Concentration of Inoculum (Ma): $1.06 \times 10^5$				Log = 5.02
UNTREATED FABRIC: Concentration after 18 hour incubation (Mb): $5.00 \times 10^6$				Log = 6.69
Growth Value (F= Mb-Ma): 1.67				
Sample Identification	No. Bacteria Recovered	Log Bacteria Recovered (Mc)	Bacteriostatic Activity (S) = Mb – Mc	Percentage Reduction of Bacteria
TRPT16069851 – BLACK COLOR FABRIC	< 10	< 1	>5.69	>99.99

s2. Test Bacteria: **Klebsiella pneumoniae ATCC 4352**

Quantitative Assessment of Activity - JIS L 1902: 2008				
UNTREATED FABRIC: Concentration of Inoculum (Ma): $1.14 \times 10^5$				Log = 5.05
UNTREATED FABRIC: Concentration after 18 hour incubation (Mb): $5.80 \times 10^6$				Log = 6.76
Growth Value (F= Mb-Ma): 1.71				
Sample Identification	No. Bacteria Recovered	Log Bacteria Recovered (Mc)	Bacteriostatic Activity (S) = Mb – Mc	Percentage Reduction of Bacteria
TRPT16069851 – BLACK COLOR FABRIC	< 10	< 1	>5.76	>99.99

The Standard Antimicrobial value of Evaluation =  $S \geq 2.0$

Where-

Ma=Logarithm of Concentration of Starting bacterial inoculum (CFU/ml)

Mb=Logarithm of number of bacteria after 18 hour incubation on untreated sample (Average of 3 specimens)

Mc=Logarithm of number of bacteria after 18 hour incubation on treated sample (Average of 3 specimens)

**COMMENT:**

When tested as specified, Garment labeled **TRPT16069851 – BLACK COLOR FABRIC**; **PASSES** the Quantitative Assessment of activity for *Staphylococcus aureus* and *Klebsiella pneumoniae* by **JIS L 1902: 2008 Test Method**.

## END OF THE TEST REPORT ##

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