

Efficacy Bulletin
**Clothesline Fresh
Fabric Softener/Sanitizer**

EPA Reg. No. 1839-108-5741

RESIDUAL BACTERIOSTATIC DATA:

Test Method: AOAC Bacteriostatic Activity of Laundry Additive Disinfectants Method 972.04

Test Conditions: Use-Dilution: 20 fl. oz/100 lbs. dry fabric
Fabric: 80 x 80 (threads/inch) plain weave cotton print
Dry Fabric-to-Treatment Ratio: 1:5
Fabric-to-Treatment Contact Time: 5 minutes
Exposure Temperature: Ambient

Results:

Test Organism	Sample	Number of Fabric Sides Exhibiting zones of Inhibition vs. total Fabric Sides Testes
<i>Klebsiella pneumoniae</i> (ATCC 4352)	A	20/20
	B	20/20
<i>Staphylococcus aureus</i> (ATCC 6538)	A	20/20
	B	20/20

Conclusion:

Under the conditions of these investigations, Clothesline Fresh Fabric Softener/Sanitizer demonstrated residual bacteriostatic activity against *Klebsiella pneumonia* (ATCC 4352) and *Staphylococcus aureus* (ATCC 6538) according to criteria established by the American Association of Analytical Chemists (AOAC) for Bacteriostatic laundry additive disinfectants.

RESIDUAL SELF-SANITIZING DATA:

Test Method: Laundry Additives-Residual Self-Sanitization Test (EPA DIS/TSS – 14, 29 July 81)

Test Conditions: Use-Dilution: 5 fl. oz/100 lbs. dry fabric
Fabric: 80 x 80 (threads/inch) plain weave cotton print
Dry Fabric-to-Treatment Ratio: 1:5
Contact Times: 3 hours, 6 hours
Exposure Temperature: Ambient

Results:

Test Organism	Sample	% KILL vs. EXPOSURE TIME	
		3 hours	6 hours
<i>Klebsiella pneumoniae</i> (ATCC 4352)	A	89.4	>99.9
	B	>99.9	94.8
<i>Staphylococcus aureus</i> (ATCC 6538)	A	99.8	>99.9
		99.5	>99.9

Conclusion:

Under the conditions of these investigations, Clothesline Fresh Fabric Softener/Sanitizer demonstrated **residual self-sanitizing** activity against *Klebsiella pneumonia* (ATCC 4352) and *Staphylococcus aureus* (ATCC 6538) according to criteria established by the U.S. Environmental Protection Agency for registration and labeling of a disinfectant product as a laundry residual self-sanitizer.