



**EFFICACY DATA for  
SPRITZ RTU Sanitizer  
(EPA Reg. No. 1839-189)**

**SANITIZATION DATA:**

**Test Method:** AOAC Germicidal and Detergent Sanitizing Action of Disinfectants

**Test Conditions:** 200 ppm active quaternary, Ready-to-Use (RTU), 1 minute contact time

**Results:**

Test Organism	Sample	TOTAL BACTERIAL COUNTS/ % KILL vs. EXPOSURE TIME			
		30 seconds		60 seconds	
		TBC*	% Kill†	TBC*	% Kill†
<i>Salmonella typhi</i> (ATCC 6539)	A	<10	>99.999	<10	>99.999
	B	<10	>99.999	<10	>99.999
<i>Shigella dysenteriae</i> (ATCC 12180)	A	<10	>99.999	<10	>99.999
	B	<10	>99.999	<10	>99.999
<i>Campylobacter jejuni</i> (ATCC 29428)	A	790	99.999	410	99.999
	B	780	99.999	470	99.999
<i>Escherichia coli</i> (ATCC 11229)	A	990	99.999	50	99.999
	B	1070	99.999	95	99.999
	C	1205	99.999	140	99.999
<i>Escherichia coli</i> O157:H7 (ATCC 43895)	A	1220	99.999	110	99.999
	B	1000	99.999	125	99.999
<i>Listeria monocytogenes</i> (ATCC 35152)	A	108	99.999	<10	>99.999
	B	1300	99.999	263	99.999
<i>Staphylococcus aureus</i> (ATCC 6538)	A	1285	99.999	205	99.999
	B	1145	99.999	130	99.999
<i>Yersinia enterocolitica</i> (ATCC 23715)	A	<10	>99.999	<10	>99.999
	B	<10	>99.999	<10	>99.999

\* TBC = Total Bacterial Count, cfu/ml

† % Kill calculated based on initial inoculum control count of  $86-180 \times 10^6$  cfu/ml.

**Conclusion:** Under the conditions of these investigations, Spritz Sanitizer demonstrated **sanitizing** activity on **food contact surfaces** against *Salmonella typhi* (ATCC 6539), *Shigella dysenteriae* (ATCC 12180), *Campylobacter jejuni* (ATCC 29428), *Escherichia coli* (ATCC 11229), *Escherichia coli* O157:H7 (ATCC 43895), *Listeria monocytogenes* (ATCC 35152), *Staphylococcus aureus* (ATCC 6538), and *Yersinia enterocolitica* (ATCC 23715) according to criteria established by the U. S. Environmental Protection Agency for registration and labeling of a disinfectant product as a sanitizer.



**SANITIZATION DATA (continued):**

**Test Method:** Sanitizer Test for Inanimate, Non-Food Contact Surfaces

**Test Conditions:** 200 ppm active quaternary  
 Ready-to-Use (RTU)  
 1 minute contact time  
 5% soil load

**Results:**

<u>Test Organism</u>	<u>Sample</u>	<u>Contact Time</u>	<u>Test Substance (CFU per Glass slide)</u>	<u>% Reduction</u>	<u>Control Substance (CFU per glass slide)</u>
<i>Enterobacter aerogenes</i> (ATCC 13048)	A	1 min.	300	99.9	5,000,000
		3 min.	<10	>99.9	4,000,000
		5 min.	<10	>99.9	3,000,000
	B	1 min.	<10	>99.9	5,000,000
		3 min.	<10	>99.9	4,000,000
		5 min.	<10	>99.9	3,000,000
	C	1 min.	<10	>99.9	5,000,000
		3 min.	<10	>99.9	4,000,000
		5 min.	<10	>99.9	3,000,000
<i>Staphylococcus aureus</i> (ATCC 6538)	A	1 min.	<10	>99.9	1,000,000
		3 min.	<10	>99.9	800,000
		5 min.	<10	>99.9	700,000
	B	1 min.	<10	>99.9	1,000,000
		3 min.	100	99.9	800,000
		5 min.	<10	>99.9	700,000
	C	1 min.	<10	>99.9	1,000,000
		3 min.	<10	>99.9	800,000
		5 min.	<10	>99.9	700,000

**Conclusion:** Under the conditions of these investigations, Spritz Sanitizer demonstrated **sanitizing** activity on **non-food contact surfaces** against *Enterobacter aerogenes* (ATCC 13048) 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 sanitizer.