



## TEST REPORT

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<b>Your Ref:-</b>	-	<b>Date: 27/07/2020</b>
<b>Our Ref:-</b>	<b>CHEM-201254</b>	
<b>Subject</b>	Antimicrobial efficacy test on paint sample submitted by PT. Avia Avian on 01/07/2020 and test commenced on 02/07/2020.	
<b>Tested For:</b>	<b>PT. Avia Avian</b> Jl. Raya Surabaya – Sidoarjo KM. 19 Sidoarjo, Indonesia 61252 <b>Attention: Ms Grace Virginie Juwita</b>	
<b>Sample Description:</b>	<b>Avitex Anti Viruz</b>	

<b>Test Method:</b>	Japanese Industrial Standard – JIS Z 2801: 2000 <i>Escherichia coli</i> (ATCC 8739) <i>Staphylococcus aureus</i> (ATCC 6538) <i>Methicillin Resistant Staphylococcus aureus</i> (ATCC43300) <i>Salmonella typhimurium</i> (ATCC14028) <i>Listeria monocytogenes</i> (ATCC7644) <i>Shigella flexneri</i> (ATCC12022) <i>Pseudomonas aeruginosa</i> (ATCC27853) <i>Bacillus subtilis</i> (ATCC6633) <i>Enterococcus faecalis</i> (ATCC29212)
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### Results of active bacteria on control and test sample after 24 hours of incubation at 35°C

Test Organisms	Blank Control		Test sample		Log reduction
	cfu/piece	Log value	cfu/piece	Log value	
<i>Escherichia coli</i>	1.9 x 10 <sup>6</sup>	6.3	<10	<1	5.3
<i>Staphylococcus aureus</i>	1.0 x 10 <sup>6</sup>	6.0	<10	<1	5.0
<i>Staphylococcus aureus</i> (MRSA)	1.2 x 10 <sup>6</sup>	6.1	<10	<1	5.1
<i>Salmonella typhimurium</i>	1.6 x 10 <sup>6</sup>	6.2	<10	<1	5.2
<i>Listeria monocytogenes</i>	6.0 x 10 <sup>5</sup>	5.8	<10	<1	4.8
<i>Shigella flexneri</i>	1.6 x 10 <sup>6</sup>	6.2	<10	<1	5.2
<i>Pseudomonas aeruginosa</i>	1.0 x 10 <sup>6</sup>	6.0	<10	<1	5.1
<i>Bacillus subtilis</i>	1.2 x 10 <sup>5</sup>	5.1	<10	<1	4.1
<i>Enterococcus faecalis</i>	2.2 x 10 <sup>6</sup>	6.3	<10	<1	5.3

Note: 1) Sample submitted as coated Glass Panels – 50mm x 50mm

2) Test was done by subcontractor laboratory.

Conclusion: Based on the results obtained, the sample as has Pass the Antimicrobial efficacy of not less than 2 log reduction in accordance with JIS Z 2801:2000.

Signed for and on behalf of STATS Asia Pacific Pte Ltd

LEI ZHI PEI  
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