



## **Citran 1 Sanitiser**

## **Results Summary - Coronavirus Type**

Virus Used: Murine hepatitis virus ATCC

(Australian TGA approved as a surrogate for Covid 19 - see below)

Efficacy: Citran 1 Sanitiser kills Coronavirus at 99.99% Rate Used: 150ml Citran 1 Sanitiser (per litre water)

Duration: 10 mins in dirty conditions

Analysis	Testing of viricidal activity of Citran 1 Sanitiser by suspension technique
	Murine hepatitis virus (MHV-1) is a member of the Coronavirus family and has been used as a surrogate for the SARS coronavirus in published disinfectant studies (TGA has approved as a surrogate for Covid 19) https://www.tga.gov.au/surrogate-viruses-use-disinfectant-efficacy-tests-justify-claims-against-covid-19
Date	Sample received Eurofins 20/02/20; Results 20/03/20. TGA and APVMA approved laboratory

RESULTS: MHV-1 virus test/control results for 10 mins contact			
Virus Dilution	Virus Control	Test Sample	
Log <sub>10</sub>	6.33	2.23	
Log <sub>10</sub> Reduction of virus after t	4.10		

Virus Strain	Murine hepatitis virus (MHV) -1 ATCC/VR-261
Cell Substrate	A9 cells ATCC/CCL- 1.4
Test Concentration *	15% (in hard water)
Contact Time	10 minutes
Test Temperature	Room temperature
Test Condition	Dirty 3% FBS (Fetal Bovine Serum) with 3% erythrocytes (EN14476)
Neutraliser	2% FBS in MM

Conclusion from Results	The sample has shown viricidal efficacy against MHV-1 by achieving 4.10 log reduction in virus concentration after 10 minutes exposure period at room temperature.
-------------------------	--

Note: Citran 1 active components tested; rate adjusted for final product.

08 9388 3623: 03 9008 6352 www.sustainablefarming.com.au