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STUDY REPORT

GENERAL STUDY INFORMATION

Study Title: Virucidal Efficacy of a Disinfectant for Use on Inanimate Environmental Surfaces

Project Number: A32145

Protocol Number: LAN003092920.SARS2

Sponsor: Lanxess Corporation
23 S Cummings Dr
Middletown, DE 19709

Testing Facility: Analytical Lab Group-Midwest
1285 Corporate Center Drive, Suite 110
Eagan, MN 55121

Test Substance Name: Rely+ On™ Virkon™

Lot/Batch(s): Batch SH19/275, Batch SH19/276 and Batch SH19/277

Manufacture Date: Batch SH19/275 – September 17, 2020
Batch SH19/276 – September 17, 2020
Batch SH19/277 – September 17, 2020

Study Completion Date: May 4, 2021

STUDY RESULTS

Three batches of Rely+ On™ Virkon ™ (Batch SH19/275, Batch SH19/276 and Batch SH19/277) were prepared by dissolving 20.00 g test substance + 2.00 L of 400 ppm AOAC Synthetic Hard Water (to create stock solution A). Stock Solution A was then diluted, by adding 19.1 ml stock solution A + 80.9 ml of 400 ppm AOAC Synthetic Hard Water, and exposed to SARS-Related Coronavirus 2 in the presence of a 5% fetal bovine serum organic soil load at room temperature (21.68°C) and 10.32% relative humidity for 10 minutes. All cell controls were negative for test virus infectivity.

The titer of the input virus control was 6.00 $\log_{10}$/100 µL. The titer of the dried virus control was 5.25 $\log_{10}$/100 µL (5.55 $\log_{10}$/carrier). Following exposure, test virus infectivity was not detected in the virus-test substance mixture in any batch at any dilution tested [≤0.50 $\log_{10}$/100 µL (≤0.80 $\log_{10}$/carrier)]. Test substance cytotoxicity was not observed in any batch at any dilution tested (≤0.50 $\log_{10}$/100 µL). The neutralization control (non-virucidal level of the test substance) indicates that the test substance was neutralized at ≤0.50 $\log_{10}$/100 µL for all batches.

Taking the cytotoxicity and neutralization control results into consideration, the reduction in viral titer, per volume inoculated per well and per carrier was ≥4.75 $\log_{10}$ for all batches.

STUDY CONCLUSION

Under the conditions of this investigation and in the presence of a 5% fetal bovine serum organic soil load, Rely+ On™ Virkon ™ demonstrated a ≥4.75 $\log_{10}$ reduction in titer of SARS-Related Coronavirus 2 following a 10 minute exposure time at room temperature (21.68°C) and 10.32% relative humidity as required by the U.S. EPA. Rely+ On™ Virkon ™ was prepared for use in testing by dissolving 20.00 g test substance + 2.00 L of 400 ppm AOAC Synthetic Hard Water (to create stock solution A). Stock Solution A was then diluted, by adding 19.1 ml stock solution A + 80.9 ml of 400 ppm AOAC Synthetic Hard Water.

In the opinion of the Study Director, there were no circumstances that may have adversely affected the quality or integrity of the data.