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14 September 2020

## **SYMPHONY ENVIRONMENTAL TECHNOLOGIES PLC**

("Symphony", the "Company" or the "Group")

### **Positive Coronavirus test results in shorter timescales**

Symphony announced on 23 July that Eurofins Laboratories had tested Symphony's d2p masterbatch incorporated in a polyolefin film, against the bovine form of Coronavirus in accordance with International Standard, ISO 21702-2019, and found a virus reduction of 99.84% in 24 hours.

Symphony is now very pleased to announce the results of further Coronavirus tests at 1, 2 and 24 hours, as follows:

The Institute of Biology at UNICAMP UNIVERSITY in Sao Paulo State, Brazil ("UNICAMP") has tested polyolefin films incorporating Symphony's antimicrobial d2p masterbatches, according to:

1. ISO 21702-2019 (Measurement of Antiviral Activity on Plastics and other non-porous Surfaces)
2. EN 14476:2013 + A2:2019 (Chemical Disinfectants and Antiseptics – Quantitative Suspension Test Method for Virucidal Activity in Medical Areas)
3. Robert Koch Institute's and Best Laboratory Practices

All tests were conducted with biological quadruplicates (four repetitions).

The virus used in the study was the BETACORONAVIRUS Cell: L929 -NCTC clone 929 [L cell, L-929, derivative of Strain L] (ATCC® CCL-1™)(same genus as SARS-CoV-1, SARS-CoV-2, MERS among others). The host cell was a 10% bovine foetal serum.

The contact testing intervals and the antiviral performance were:

- A. 1 hour, 99.9% reduction**
- B. 2 hours 99.99% reduction**
- C. 24 hours 99.999% reduction**

UNICAMP concluded in their report that “the products were shown to be virucidal, thus, we recommend the use of such products as potential virucidal agents against coronavirus.”

It was demonstrated that the active compound was active towards the virus only, and would not harm the host cells.

Michael Laurier CEO said: “this is another important breakthrough for Symphony, that leads to an exciting commercial phase that will help accelerate our global sales pipeline for d2p already in development. Plastic, unlike many other materials in common use, can be given anti-microbial properties, and d2p can be included in almost all the plastic products which we touch every day.

“These results demonstrate the efficacy against viruses of d2p anti-microbial technology in plastic products, and the importance it has in helping governments to control the spread of the virus, and saving lives. This technology goes beyond short term protections such as washing with soap, sanitising hands, or wiping surfaces; being embedded in the plastic itself, d2p provides protection for the lifetime of the plastic product.

“I would like to congratulate our scientific team for developing this remarkable product that we will be moving quickly into our global sales operations.”

Information on UNICAMP UNIVERSITY

<https://www.timeshighereducation.com/world-university-rankings/university-campinas>

## **Enquiries**

### **Symphony Environmental Technologies Plc**

Michael Laurier, CEO

Ian Bristow, CFO

[www.symphonyenvironmental.com](http://www.symphonyenvironmental.com)

**Tel: +44 (0) 20 8207 5900**

### **Zeus Capital Limited (Nominated Adviser and Joint Broker)**

David Foreman / Nick Cowles / Kieran Russell (Corporate Finance)

Dominic King / Victoria Ayton (Sales)

**Tel: +44 (0) 161 831 1512**

**Tel: +44 (0) 203 829 5000**

### **Hybridan LLP (Joint Broker)**

Claire Louise Noyce

**Tel: +44 (0) 203 764 2341**

The person responsible for arranging the release of this information is Michael Laurier, CEO of the Company.