

Nouryon Surface Chemistry AB  
HCPC Performance Formulations  
NL – 6800JD Amersfoort

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## Expert opinion

Activity of Arquad MCB-50 against bovine coronavirus in a quantitative suspension test according to EN 14476:2013+A2:2019 under clean conditions

This expert opinion is based on the test report L20/0432BC.1 dating 10/06/2020.

The virus-inactivating properties of the surface disinfectant Arquad MCB-50 of Nouryon Surface Chemistry AB against bovine coronavirus (BCoV) as surrogate of members of coronaviridae family including MERS-CoV, SARS-CoV-1 and SARS-CoV-2 were investigated by a quantitative suspension test according to EN 14476:2013+A2:2019 under clean conditions.

According to the EN 14476, a disinfectant or a disinfectant solution at a particular concentration is considered as having virus-inactivating properties if within the recommended exposure period the titre is reduced by  $\geq 4 \log_{10}$  (inactivation  $\geq 99.99$  %).

The surface disinfectant Arquad MCB-50 was examined as 0.4 % and 0.2 % solutions at 20 °C. 5 minutes were chosen as exposure time. In summary, a virucidal activity against bovine coronavirus was measured as follows:

**0.2 %    5 minutes    clean conditions (0.3 g/l BSA)**

**Dr. Jochen Steinmann**