



MAHIDOL UNIVERSITY

## TEST REPORT

**Company Name** AAF International (Thailand) Co., Ltd.  
**Address** 909 Ample Tower, 20<sup>th</sup> floor, Room No. 20/1-2,  
Debaratna Road, Bangna Nuea, Bangna, Bangkok 10260 Thailand

### TEST PRODUCT INFORMATION

<b>Received Date</b>	04 June 2021	<b>Reported Date</b>	11 August 2021
<b>Testing Date</b>	23 July 2021	<b>Sample No.</b>	BI-231-01
<b>Product Name</b>	AstroCel S+		
<b>Product Characteristics</b>	Air Filter		
<b>Active Ingredient</b>	Fiberglass		
<b>Supplier</b>	American Air Filter Manufacturing Sdn. Bhd.		
<b>Distributor</b>	AAF International (Thailand) Co., Ltd.		
<b>Reg. No.</b>	-	<b>Lot No.</b>	0860307
<b>Mfg. Date</b>	-	<b>Exp. Date</b>	-
<b>Size of Sample</b>	A4	<b>No. of Samples</b>	1 Pcs

### TEST SYSTEM

<b>Test Method</b>	Virus inhibition assay and plaque reduction neutralization assay (PRNT)
<b>Reference Standard</b>	ISO 18184:2019: Textiles - Determination of antiviral activity of textile products
<b>Test Organisms</b>	Human coronavirus 229E (ATCC® VR-740™) Titer = $1 \times 10^7$ TCID <sub>50</sub> /ml (50% Tissue Culture Infectious Dose)



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### RESULTS

The purpose of this study was to determine the virucidal efficacy of “AstroCel S+” against Human coronavirus 229E (ATCC® VR-740™). At the contact time of 24 hours, the tested product has the efficacy as shown in the table.

Product	Testing concentration	Contact time	Efficacy (%)	Log Reduction
AstroCel S+	-	24 hours	99.92%	3.090

.....*Narin Thippornchai*.....

(Mr. Narin Thippornchai)

Scientist

11 August 2021

.....*A. Jittmitrathap*.....

(Assistant Professor Akanitt Jittmitrathap)

Technical Manager

11 August 2021

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