



MAHIDOL UNIVERSITY

TEST REPORT

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

TEST PRODUCT INFORMATION

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

TEST SYSTEM

Test Method	Virus Inhibition Assay and Real Time Reverse Transcription Polymerase Chain Reaction
Reference Standard	ISO 18184:2019: Textiles - Determination of antiviral activity of textile products
Test Organisms	Influenza A Virus (H1N1) pandemic (Human Isolated) Titer = 1×10^7 TCID ₅₀ /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 Influenza A Virus (H1N1) pandemic (Human Isolated). 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	99.93%	3.150

Narin Thippornchai

(Mr. Narin Thippornchai)

Scientist

11 August 2021

A. Jitmitth.

(Assistant Professor Akanitt Jitmittraphap)

Technical Manager

11 August 2021

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