

Is Nanotechnology the Game Changer Against Covid Transmission?

CoatingMax Pty Ltd Thursday, March 17th, 2022

Vermont Victoria, Australia – 17th March 2022 – Today at the launch of CoatingMax NWK A-FV, a **game changer against COVID-19 transmission** is available immediately to businesses, medical facilities, hospitality venues, retail stores and offices. Using its patented ‘egg-shell’ technology to engineer nano sized, all natural disinfecting oils, CoatingMax NWK A-FV particles are small enough to bond to the pores of fabric, walls and ceilings. When coated and allowed to cure and activate, the ‘egg-shell’ particles continue releasing disinfecting oils to the surface and air with 99% and 77% virus neutralizing rate respectively. The effectiveness lasts for more than 28 days.

Positive Customer Impact

The issue with disinfecting surfaces is it lasts only until someone coughs or touches that surface, re-contaminating instantly with viruses and bacteria. CoatingMax NWK A-FV will affix to the surface and remain active on and within the airborne area continuing to effectively neutralise viruses and bacteria. This is exceptionally beneficial on walls, ceilings and fabric surfaces that often cannot be washed regularly and provide another key to COVID normality.

Product Summary

NWK A-FV surface coating with the nanotechnology to bond semi-permanently to fabric and porous surfaces like curtains, painted walls and ceilings.

Unique and differentiating features and benefits:

1. Using nano-sized egg-shell particles, NWK A-FV contains all natural horseradish and cinnamon oils which has been shown to kill bacteria and viruses including the Feline Coronavirus
2. Product safety tests show evidence that it is safe for human contact and is biodegradable
3. Once allowed 2 hours to cure and activate, it will continue to neutralise surface viruses with 99% effectiveness and most importantly, neutralise airborne viruses including the Feline Coronavirus with effectiveness of over 77%
4. Testing on the efficacy has shown that it lasts more than 4 weeks.

CoatingMax NWK A-FV can be applied as a spray or roll-on coating and has been registered with FDA as a medical device antimicrobial agent (FDA Reg. No. 10080973), safety tested as safe for contact with skin and tested under TGA and international standards to determine antiviral activity (ASTM E 1052).

Contact Profile

CoatingMax Pty Ltd

CoatingMax Pty Ltd specialises in nanotechnology coating solutions that manipulates matter on a near-atomic scale to produce new structures, materials and devices yielding remarkable results to protect surfaces. During these unprecedented times of the COVID-19 pandemic, CoatingMax along with our manufacturing, research and development partners in South Korea have sourced an over the counter topical solution that uses nanotechnology to engineer an all-natural, biodegradable COVID-19 surface coating disinfectant with long lasting effect.

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Product Availability

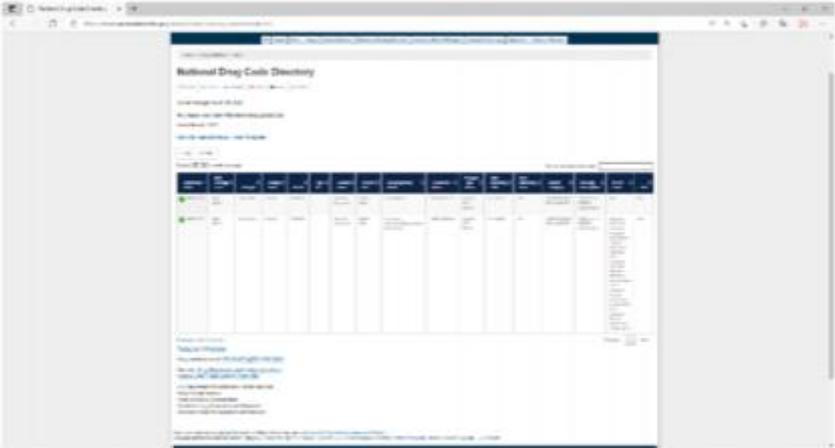
Product is available immediately.

For more information, press only:

info@coatingmax.com

www.coatingmax.com

File Library





**Active Ingredients Eligible for Minimum Risk Pesticide Products
(Updated December 2015)**

Provided below is the list of active ingredients that can be used in pesticide products that are exempt from the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) under the Minimum Risk Exemption regulations in 40 CFR 152.25(f).

How to Use this List: The list contains all the eligible active ingredients under 40 CFR 152.25(f)(1). Identify whether your active ingredient is eligible by comparing your ingredient with the label display name and chemical name, and that the Chemical Abstracts Service (CAS) number matches the ingredient you intend to use. Additionally, ensure that your ingredient meets any specifications listed. Any eligible ingredient used must be listed on your product's label using the prescribed label display name.

All listed active ingredients may be used in non-food use products. Under section 408 of the Federal Food, Drug, and Cosmetic Act (FFDCA) and EPA implementing regulations at 40 CFR 180, products intended for use on food-use sites (e.g., used on food, food crops, food contact surfaces, or animal feed commodities) can only include active ingredients with applicable tolerances or tolerance exemptions in 40 CFR 180. Before labeling a minimum risk pesticide product for a food use, verify that the use you are labeling has been approved for each ingredient used in the product in 40 CFR 180.

Label Display Name	Chemical Name	CAS No.	Specifications	Nonfood Use	Food Use
Castor oil	Castor oil	8001-79-4	United States Pharmacopoeia (U.S.P.) or equivalent	✓	✓
Cedarwood oil	Cedarwood oil (China)	85085-29-6	---	✓	
Cedarwood oil	Cedarwood oil (Texas)	68990-83-0	---	✓	
Cedarwood oil	Cedarwood oil (Virginia)	8000-27-9	---	✓	
Cinnamon	Cinnamon	N/A	---	✓	✓
Cinnamon oil	Cinnamon oil	8015-91-6	---	✓	✓
Citric acid	2-Hydroxypropane-1,2,3-tricarboxylic acid	77-92-9	---	✓	✓
Citronella	Citronella	N/A	---	✓	
Citronella oil	Citronella oil	8000-29-1	---	✓	
Cloves	Cloves	N/A	---	✓	✓
Clove oil	Clove oil	8000-34-8	---	✓	✓



Test Report

Report No. 2021KRIBS1449.002

page 1 of 2

Issued Date : 2021. 10. 15.
Client : NAEWOKOREA Co., LTD.
Sample No. : 1
Sample Description : NWK A-FV 2
Analysis : Determination of antiviral activity (ASTM E1052)

Result

- Method : Modified ASTM E1052
- Virus : Feline coronavirus (FCoV)
- Host cell : CRFK cell
- Test condition : 2-hour contact time, 25±1 °C

Sample	Result	
	Log reduction	Antiviral activity(%)
NWK A-FV 2	2.00	99.00

* For details please see attached pages.

confirmation	Tested by		Approved by	
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Note

- The test results on this report are only limited to the samples and sample names provided by the customer and KRIBS. We do not guarantee the quality of all products of the customer.
- This test report shall not be used for public relation, advertisement, lawsuit and any other purposes outside the scope of its defined usage.





Test Report

Report No. 2021KRIBS1605.0001R01

page 1 of 4

Issued Date : 2022. 03. 08.
 Client : NAEWONDREA Co., LTD.
 Sample No. : 1
 Sample Description : NWK A-FV 2
 Analysis : Evaluation of float-virus reduction for NWK A-FV 2

Result

1. Virus : Feline coronavirus (FCoV)
2. Host cell : CRFK cell
3. chamber size : 80 x 90 x 50 cm³
3. Test condition : 4 weeks of Sample processing period in chamber,
 2-hour contact time, 25±1 °C

4. Result

Sample	Result		
	Control (log TCID ₅₀)	2-hour contact time(log TCID ₅₀)	Log reduction
NWK A-FV 2	4.14	3.49	0.65
			Percent reduction (%)
			77.61

* For details please see attached pages.

Confirmation	Tested by		Approved by	
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Note

1. The test results on this report are only limited to the samples and sample names provided by the customer and KRIBS do not guarantee the quality of all products of the customer.
2. This test report shall not be used for public relation, advertisement, lawsuit and any other purposes outside the scope of its defined usage.

Korea Research Institute of Biomedical Science

[KRIBS-DF11-REV.A]

TEST REPORT

KOTITI No. | 82211002135086(A1)

To | [대한조리연구학회]

Date In | OCT 05, 2021

Date Out | OCT 22, 2021

Amount Date | OCT 25, 2021

Amend Comment	The Item Name is amended at the applicant's request.
Title	Test Report
Item	SAMPLE
Item Name	NWK A-FV
Buyer	NIS
Brand Name	NIS
Style Number	NIS
PO Number	NIS
Related(FO, FP) Report No.	NIS
Color	NIS
Submitted Fiber Composition	NIS
Recommended Fiber Composition	N/A
Submitted Care Instruction	NIS
Recommended Care Instruction	N/A
Test Result	For further details, please refer to the following page(s).

Ref.) KOTITI No.(A_)

A : Test report is amended.

Affirmation	Prepared by		Technical Manager	
	Name : Ho Kim		Name : Jan Yoon Han	

KOTITI Testing & Research Institute



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1. The test results contained in this report are limited to results on the samples that is provided by client and are not necessarily indicative or representative of the quality of the lot from which the samples, was taken or of all products.
2. Further use of the results of this report is prohibited unless allowed under a separate agreement set forth in an official document that is relationship between the client identifier on this site and the KOTITI Testing & Research Institute.
3. The test result in this report is not related to accreditation of ISO 9000/ISO 17020 and ISO/IEC 17025.
4. This test report is authorized by the QR code of the bottom right side of the report, or access <http://koti-global.com> and enter the test report number (KPI-16-0000-01).

KOTITI

CLINICAL TRIAL REPORT
PNK-21707-17RE

The Safety assessment of NWK A-FV
by Skin Primary Irritation Test

Requested by : NAEWOIKOREA Co., Ltd.

July 16, 2021

