

**Spray for Indoor Walls, Inside Doors, Window Shades,
HVAC Filters, Vehicles, Fabrics & Other Items
Stops/Retards Mold Growth & Kills odor Causing Bacteria**

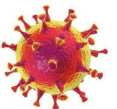
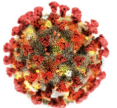
GREEN FDA REGISTERED



KILLS ODORS, CLEANS AIR & SURFACES



- * All Natural food grade plant extract Vapors floating in the air contact " Stops Mold, Fungal & Spores growth.
- * Application of the WelEssence Spray to HVAC air return/filter will clean all ducting continuously for 30 days.
- * Highly effective on all Food and Non food contact Surfaces by Air Vapors surface contact (99.9 %).
- * Continuously Cleaning 24 hrs/Day Killing " Odor-Causing Bacteria and Freshening the Air ".
- * Odor VOC Reductions (99.9 %) in 2 hr, remaining " Effective for 30 days " continued results.
- * Understanding of the Unique "Slow Release Air Vapor Technology" that is Continuously Cleaning.
- * Natural Scent, No added Scent. Safe on Skin all safety and all claims backed with Certified Testing.



Ryerson Innovative Enterprises LLC , WelEssence USA Distribution



1) Features of the Product

Stops Mold & Fungal Growth and Odors on room surfaces and in the air.

**Protecting
People's Lives**

Increased Cleanliness Protection & Kills Odors indoors

- * The natural vapor substances " Retards Mold growth and their Spores & Mycotoxins. Effective for 30 days after applied.
- * Applied to HVAC Air Return, Walls, Inside Doors and Window Coverings it's released continuously in rooms air to stop Molds & Fungus growth that can cause Sick House Syndrome.
- * Very Effective on Skunk spray and Cat spray, Chemical odors
- * " Natural Green Plant" based extracts sources.
- * **FDA** Registration number: **3010918337**
- * Once Sprayed: It lasts 30 days - " Continuously Cleaning "
- * Harmless to the Human Body
- * Result of Testing Human Skin Irritation:
" Non-Irritating Natural ingredients"
- * " Continuously Cleaning " 24 hrs/day for 30 days with no changes in effectiveness on making a healthier environment.

Technology

Safety

Economic Feasibility

Eco-Friendliness

**Odor Causing
Molds/Bacteria**



Increase Health Safety Conditions Indoors

2) Cleaning Substance Registered with the FDA

■ FDA (Food and Drug Administration) Registration

- The substance, Class 1 medical device antimicrobial coating agent, has been registered (Registration number: 3010918337) with the FDA, which is under the Department of Health and Human Services in the USA, and one of the most historic and reliable consumer protection organizations, playing the same role as that of Korea's FDA (KFDA)



○ Details of the Registration

- . DEPARTMENT OF HEALTH AND HUMAN SERVICES
- . Food and Drug Administration
- . Center for Devices and Radiological Health
- . 10903 New Hampshire Ave., WO66 Room 1423 Silver Spring, Maryland 20993-0002

• Odor Removing / Deodorant / Kills Odor-Causing Bacteria

3) Powerful Results of Removing Odors: 99.9% (2hr)

■ Japan Textile Evaluation Technology Council (JTETC)

(Test: KOTITI/Oct. 22, 2021)

1) Ammonia(NH₃)



Unit	Initial Concentration	After 2 Hours	Reduction Ratio(%)	
Mg/kg	100	0	99.9	

2) Acetic Acid

Unit	Initial Concentration	After 2 Hours	Reduction Ratio(%)	
Mg/kg	30	0	99.9	

■ Recent Consumer Trend

- While existing textile products consider durability, dyeing and texture important, consumers are now getting into products with **cleaning and deodorizing** functions as they are interested in health and personal hygiene.
- This product is able to **Kill Odor-Causing Bacteria** and has **cleaning and deodorizing (removing ammonia) functions**, effective for 30 days once sprayed.

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Deodorization Efficiency, mg/kg (JTETC Method(JAPAN))		
Test Conducted	Test Results	
(A)	0 Hour	After 2 Hour(s)
Submitted State(Concentration of ammonia gas(NH ₃), mg/kg)		
Blank	100.0	98.7
Sample	100.0	0
Reduction(%)	-	99.9
Submitted State(Concentration of acetic acid gas(CH ₃ COOH), mg/kg)		
Blank	30.0	29.3
Sample	30.0	0
Reduction(%)	-	99.9
Test method Put specimen 10 cm x 10 cm into 5 L of tetrabag and inject 3 L of test gas. Then, measure the gas concentration using detector tube after 2 Hour(s).		
Detector tube NH ₃ - 3La (GASTEC)		
QPf-15-06(rev.01) KOTITI Testing & Research Institute		

Molds/Fungus


4) Retards Growth

■ Test Method ASTM G 21-15

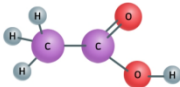
(Test: KOTITI/Oct. 22, 2021)

1) Aspergillus, Pencillium, Chaetomium

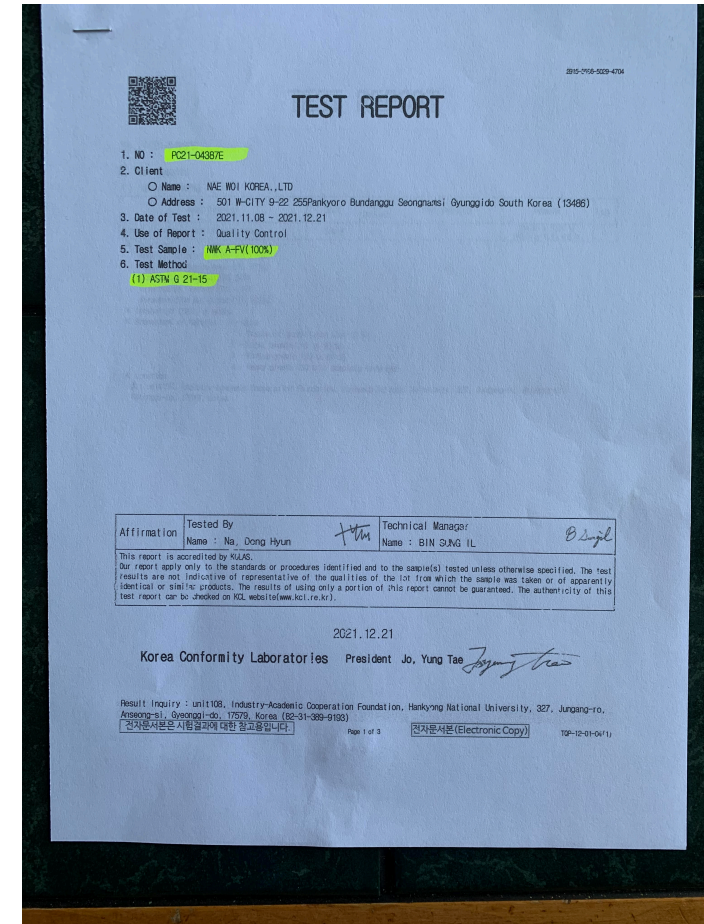


Test Time	Initial Colonies	After 4 weeks	Growth %	
4 weeks	Multiple	No New Growth	0	

2) Tricoderma, Aureobasidium

Test Time	Initial Colonies	After 4 weeks	Growth %	
4 weeks	Multiple	No new growth	0	

- Mold can and grow below surfaces in materials, hard to remove.
- Professional contractors will remove and replace materials
- This product stops growth and helps to keep spores and dangerous Mycotoxins from spreading throughout the indoor air.
- Healing of a sick house is vital to staying healthier, feeling better.



Skin Irritation Testing "Non-Irritating"

5) Result of Testing Skin Irritation: Non-Irritating

■ Details of Testing Human Skin Primary Irritation

(Test: July 16, 2021)

Tested By	P&K Skin Research Center	Research Management No.	PNK-21717-17R
Test Period	June 23, 2021 ~ July 16, 2021		
Criteria for Selecting Test Subjects	<ol style="list-style-type: none">1. Adults aged between 20 and 552. Those without acute and chronic diseases including skin problems3. Those that voluntarily signed the test consent after hearing the purpose and content of the test4. Those that can be monitored during the test period		
Criteria for Excluding from the Selection	<ol style="list-style-type: none">1. In case that he/she does not want or sign the test consent2. In case that he/she has wounds, tattoo or scars including red spots, crusty skin patches, scratches and others on the test area3. In case that he/she has infectious skin diseases4. In case that he/she has a medical or drug treatment history related with skin reaction5. In case that he/she gets severely irritated by or allergic to cosmetics, drugs or ordinary sunlight6. In case that he/she is participating in another human body test7. If pregnant or breastfeeding8. In case that senior researchers or testers believe he/she is not able to take the test due to reasons other than those cases indicated above		
Test Results	<ol style="list-style-type: none">1. All 32 test subjects that have completed the test were females aged around 39.094. As for the skin conditions of the test subjects, 13 had dry skins, 6 had neutral dry skins, 11 had neutral skins, 1 had a neutral oily skin and 1 has an oily skin. Those selected subjects did not have any specific skin symptoms, diseases and medication histories that could affect the test.2) Results Test Product Name: NWK A-FV/ Skin Irritation Degree: Non-Irritating3) The product is considered Non-Irritating after researchers making bare-eye evaluations of skin reactions 1 hour and 24 hours after conducting a patch test of the product for 24 hours.		

6) Precautions before Use

- . Before spraying the product, " **Shake Well** "until **egg shells mix into solution** (due to the size difference, they settle while being stored)
- . Do not spray the product directly to the face even as it is harmless to people or pets.
- . When the substance gets into your eyes, wash them with running water 3 times and see a doctor, if necessary.
- . Do not spray more than 30~40 μ m at one spot as it may cause stains or stickiness. Spray mist lightly 6 " from surfaces.
- . Spray Product: The amount of 30~40 μ m is applied once sprayed on painted walls, vertical surfaces only, backsides fabrics of furniture.)
- . When applying the product onto materials (leather or fur items and mural paintings) vulnerable to stains, conduct a pre-test before use.
- * Wipe it off immediately before it dries in case the product has been sprayed on improper materials.
- . Do not use the product for other purposes and do not mix it with water or other chemicals.
- . You may reuse the empty container as it is economical to purchase and use a separate refill product.
- . The expiration period is 18 months after it was manufactured and it is recommended to use the product within 12 months once opened.
- . Avoid direct sunlight and high temperatures after using the product and keep it out of reach of children.

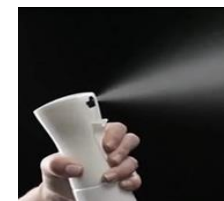
- It is made of substances extracted out of purely natural plants ingredients from Korea and is harmless to the human body and the environment as registered in the FDA (as a medical device cleaning coating agent). The relevant substances are registered in the National Institute of Environmental Research.
- Korean FDA shows product has been confirmed non-irritating according to the result of skin safety test.
- As a precaution stop usage if any sensitivity or allergic reactions occurs.
- The product is harmless to animals.




7) How to Use

■ Spray Type

- Portable Spray: for beddings, textiles, clothes, carpets, couches, sports items and others
 - Apply the spray lightly approximately less 1 foot away from the target.
 - The amount will be 30~40 μ m applied when sprayed once.



Product Name		WelEssence Spray NWK A-FV	Note	
Type		Spray Type		
Capacity		4 oz., 32 oz., 1 Gallon or larger bulk containers		
Use	Cleaning air & surfaces	Indoor surfaces and the indoor air continuously being cleaned.	Approx. 95% extrapolated in 4 hrs.	
	Kills Odor-Causing Bacteria	Testing data to review available		
	Odor Removal	Ammonia, Acetic Acid (99.9%/2hr)	Works removing Skunk Sprayed areas	
Main Substances		Blended natural green plant extracts from Cinnamon and Horseradish	Cinnamon & Horseradish	
Expiration Period		18 months after being formulated manufactured		
Safety		FDA registered		

■ Large Size (by using spraying equipment systems)

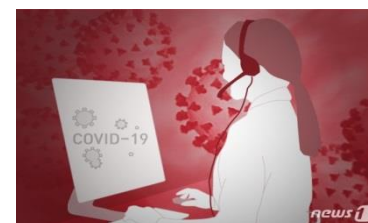


- Large Size (2~5 meters of spray distance): public, education, medical and social welfare facilities, companies (offices), accommodations, houses, and religious and commercial facilities
 - Spray the ceilings and walls at a distance of 2-3 meters by using an ultra-fine particle smog sprayer (see the photos).

8) List of Possible Applications



- Hospitals (Emergency Rooms, Hallways, Wards, Medical Garments, Infected Areas and many other areas or items.)
- Companies (Meeting Rooms, Restaurants, Dormitories, Training Centers and Multi-Purposed Facilities)
- Schools and Private Institutions (Lecture Rooms, Cafeterias and Gyms)
- Hotels, Resort, Accommodations
- Travel Agencies (in Vehicles)
- Broadcasters (Open Halls and Others)
- Religious Facilities (Churches)
- Highway Lounges and Restaurants
- Call Centers
- Gyms, Fitness facilities
- Military Facilities (Barracks, Restaurants, Warships, Bunkers and Others)
- Social Welfare and Nursing Facilities (Nursing Homes and Senior Citizen Centers)
- Subway Platforms and Inside Cars
- Houses (Bed Rooms, Living Rooms, Bathrooms, Pet Cages)
- Livestock Farm Sterilization and Odor Removal (Chickens, Pigs, Cows, and Others)





For information on ordering products, available inventory, lead times and Quotes for purchase.

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WelEssencelife.com

Manufactured in California

