

# ASTM F3502-21 Compliant



Recent News - April 2021

Alchemy Creative Inc. (the “Company”) OTC Pink: ALMY releases update that its recently acquired subsidiary NanoLand U.S.A. (NLUSA) Inc. has passed ASTM F3502-21 Compliancy testing for its proprietary Nanolyn medical grade disposable face mask.daddy

In March, the CDC-approved performance standards published by the international industry group ASTM, as [F3502-21](#), Standard Specification for Barrier Face Coverings. The new specification assigns each mask two numerical scores: one for **filtration** and another for **breathability**. Each score also corresponds to a performance grade of Level 1 (Low Performance) or Level 2 (High Performance), depending on the laboratory testing results.

“We are very pleased to announce the certified compliancy testing results which were performed under current Good Laboratory Practices (cGLP) and provided by Nelsen Labs,” stated Alchemy’s President Mr. Richard James III.

According to Technavio, from 2021-2025 the disposable facial barrier market is expected to grow by USD 1.85 billion which marks a significant market slowdown compared to the previous year’s growth estimates due to the impact of the COVID-19 pandemic in the first half of 2020.

## About Alchemy Creative Incorporated

Alchemy Creative Inc. (ALMY OTC-Pink) Is an early-stage venture holding company with a focus on biopharmaceutical, edutainment, nanotechnology, and developmental research enterprises which bring synergy and value to the company’s current portfolio of cutting-edge subsidiaries. The Company intends to scale its existing operating enterprises through organic revenue growth, mergers, acquisitions, and strategic business relationships. Alchemy Creative Inc. anticipates expanding its national DNA internationally with investment into advanced innovations and select product branding opportunities.

For more information visit the Company’s website at <http://www.AlehcmyCreativeCo.Com>

## Safe Harbor Statement

This release may contain statements that are forward looking. Such statements are made based upon current expectations that are subject to risk and uncertainty. ALMY does not undertake to update forward-looking statements in this news release to reflect actual results of and changes in assumptions or changes in other factors affecting such forward-looking information. The actual plans and results of the companies could differ significantly from such forward-looking statements.

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Controlling the transmission of SARS-CoV-2 critical to reduce the widespread effects of the COVID-19 pandemic on human health and the economy but also to retard the evolution and the emergence of variants that could alter transmission dynamics or affect the usefulness of diagnostics, therapeutics, and vaccines. Until vaccine-induced population immunity is achieved, universal masking is a highly effective means to slow the spread of SARS-CoV-2 when combined with other protective measures COVID-19 cases in the United States might be declining, but the authorities believe there is no reason at this present time to remove the polices for wearing protective masks.

In fact, scientists feel that wearing a protective mask is a viable measure for persons that have not yet received a vaccine but new recommendations now suggest wearing double masks for enhanced protections.

Double masking has been scaling the radar on national headlines in recent months especially in regions still recording a high number of infections. Many conscious minded persons are opting to use this feature when using homemade cloth masks to further safeguard themselves.

The Centers for Disease Control and Prevention in January conducted various experiments to assess two methods to improve medical procedure mask performance by improving fit and, in turn, filtration: 1) double masking and 2) knotting and tucking the medical procedure mask (See Fig. below).

Results from the first experiment demonstrated that the unknotted medical procedure mask alone blocked start highlight 56.1% end highlight of the particles from a simulated cough, and the cloth mask alone blocked start highlight 51.4% end highlight. The combination of the cloth mask covering the medical procedure mask (double mask) blocked start highlight 85.4% end highlight of the cough particles , start highlightand the knotted and tucked medical procedure mask blocked 77.0% (SD = 3.1) end highlight.

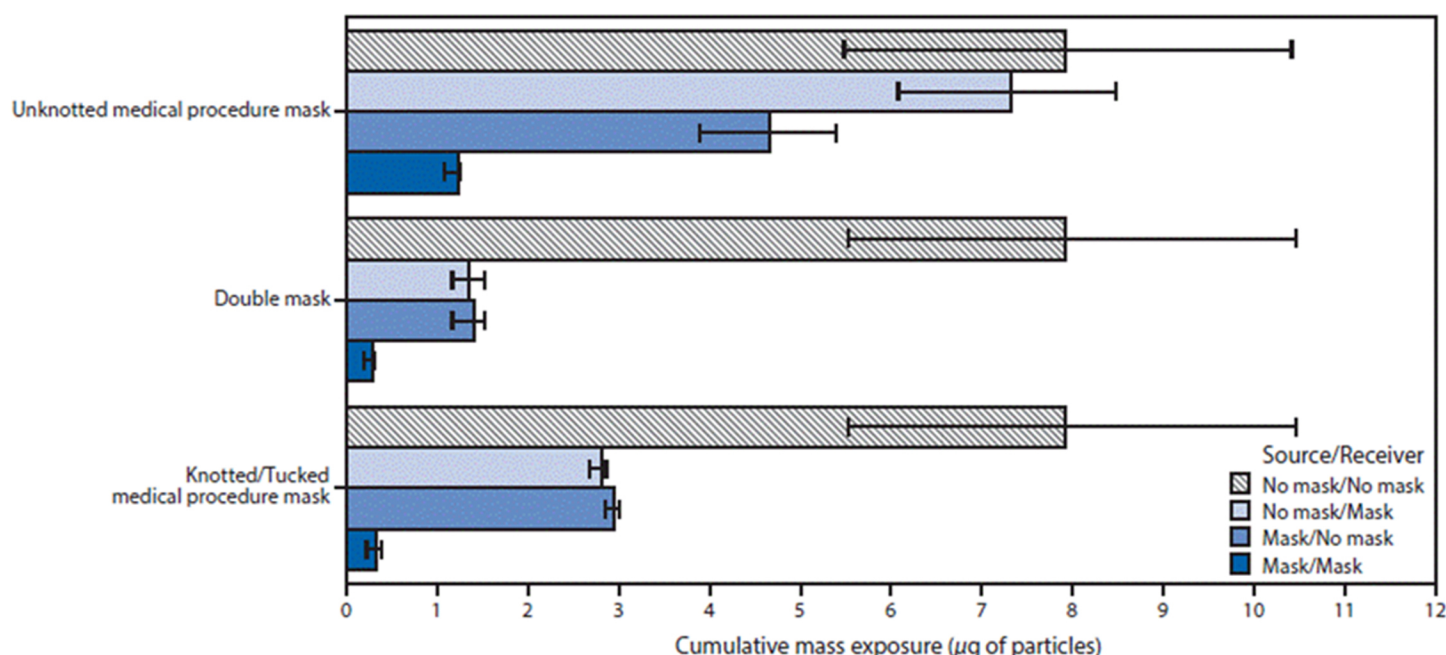




In the second experiment, adding a cloth mask over the source head form's medical procedure mask or knotting and tucking the medical procedure mask reduced the cumulative exposure of the unmasked receiver by 82.2% (SD = 0.16) and 62.9% (SD = 0.08), respectively (See chart below).

When the source was unmasked and the receiver was fitted with the double mask or the knotted and tucked medical procedure mask, the receiver's cumulative exposure was reduced by 83.0% (SD = 0.15) and 64.5% (SD = 0.03), respectively. When the source and receiver were both fitted with double masks or knotted and tucked masks, the cumulative exposure of the receiver was reduced 96.4% (SD = 0.02) and 95.9% (SD = 0.02), respectively.

#### Mean cumulative exposure\* for various combinations of no mask, double masks, and unknotted and knotted/tucked medical procedure masks



During Mid February U.S. government researchers reported the results of a lab experiment that spaced two artificial heads 6 feet from each other and checked to see how many coronavirus-sized particles spewed by one were inhaled by the other. They found that two masks are better than one in slowing coronavirus spread, but health officials stopped short of recommending that everyone double up.

The researchers found that wearing one mask – surgical or cloth – blocked around 40% of the particles coming toward the head that was breathing in. When a cloth mask was worn on top of a surgical mask, about 80% were blocked. When both the exhaling and inhaling heads were double-masked, more than 95% of the particles were blocked, said the CDC's lead scientist, Dr. John Brooks.

Joining the need for standardized protection outside of a true medical setting the ASTM International just released it's certification standard for barrier face coverings. A first of its kind, at a time when face masks are everywhere, creates best practice criteria regarding construction, fit, manufacturing and use for non-medical masks.

Specifically the ASTM F3502 standard will state that the product::

MEETS ASTM F3502, SPECIFICATION FOR BARRIER FACE COVERINGS, THIS PRODUCT IS PRIMARILY INTENDED AS A MEANS OF SOURCE CONTROL FOR MINIMIZING THE PROJECTION OF EXPELLED MATERIALS FROM THE WEARER'S NOSE AND MOUTH. WARNING: THIS BARRIER FACE COVERING IS NOT A MEDICAL FACE MASK AS DEFINED IN ASTM F2100, IS NOT INTENDED FOR USE IN MEDICAL PROCEDURES, AND IS NOT A RESPIRATOR.

# The Ultimate Mask!

**Enjoy The Best Fit and Most Soft, Light & Comfortable Masks Today! With Excellent Breathability, Excellent Speech Clarity!**

**One of the Best Anti-Pathogenic, Antiviral Medical Masks!**

**Specially Designed with multi layer technology: Vapor Barrier, Electro-statically charged Microfiber and Bio-Kil Layers!**

**NANOLYN**  
**Antipathogenic Facial Protection**

**Powered By Bio-kil**

**NanoLand U.S.A., Inc.  
Exclusive Wholesaler**

**\*\* New antipathogenic medical grade face mask powered – Nanolyn powered by the award winning BioKil technology mitigates bacteria, microbes as well as virus microorganisms. Pending ASTM F3502 certification**

This mask is made of medical grade fiber cloth and treated with Bio-Kil inside.

Conventional masks currently available in the market, only filter out but not eradicate bacteria and viruses that deposited on the masks through air. It is the possible risk of infection through careless contact with those harmful pathogens remained on the surface of the untreated masks.

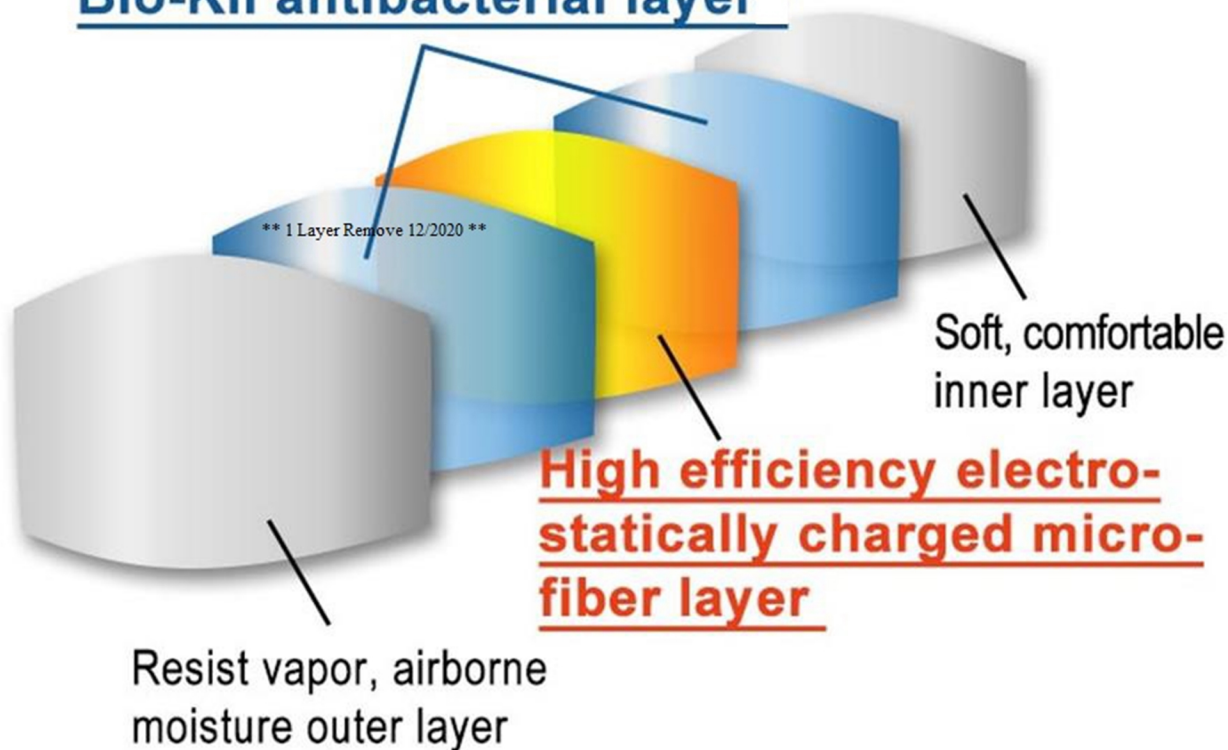
With Bio-Kil inside treated masks, those harmful pathogens will be eliminated immediately upon physical contact with the mask, as proven in numerous studies both in laboratory and the filed experiments. One of the compounds used in the treatment has been proven effective to eradicate microorganism.

Bio-Kil inside mask eliminates microorganism through physically destroying the microorganism's cell membrane and envelope protein. It obviates the possibility of bacterial and viral mutations. Bio-Kil inside has been awarded at 2010 Concours Lepine International Paris, International Exhibition of Invention at Geneva and at Nurnberg in 2002.

The Nanolyn mask is a multiuse disposable unit which follows CDC guidelines of up to 7 days of normal usage. Through covalent bonding, the BioKil application inside is affixed and able to maintain its ability to eradicate harmful pathogens.



## Bio-Kil antibacterial layer



**Physically eliminate microbes and remove unpleasant odour both from breathing in and out air.**

Bio-Kil inside Antibacterial Masks are produced under strict quality control processes in conformance with ISO 9001 quality regulations to ensure consistency and safety for the user. There are no side effects known and is environmentally friendly.

**Sizes:** Small, Medium and Large

**Nationwide Sales Contact:** 214-775-2424