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BioCAZ Solution® Product Backgrounder

Product Manufacturer: SH Bio LLC, 98 Cutter Mill Rd, Suite 390N, Great Neck, NY 11021

Product Name: BioCAZ Solution®

Partnership: SH Bio has partnered with CleanAirZone (CAZAg, Inc.), a Great Neck, NY-based developer of a purely organic, water-based biotechnological air purification system.

Government Designation: On Wednesday, March 6, SH Bio LLC received formal designation from the U.S. Department of Agriculture (USDA) as a USDA Certified Biobased Product Label for BioCAZ Solution®. SH Bio LLC can now officially display the USDA label thereby providing third-party verification for the product's biobased content as administered through the USDA BioPreferred® Program, which strives to increase the development, purchase, and use of biobased products.

Purpose: Biobased products, such as the BioCAZ Solution®, help to lessen the impact of global climate change by offering renewable alternatives to petroleum-based products; sequestering carbon dioxide, lowering the concentration of greenhouse gasses in the atmosphere that contribute to climate change; create and expand markets; are generally safer for people and the environment than their petroleum-based counterparts; and represent incredible technological advances and innovations.

Product Description: BioCAZ Solution® contains a carefully designed and grown combination of naturally-occurring and safe bacteria isolated from the natural environment that are capable of digesting and eliminating a wide variety of contaminants from the air, from fumes to viruses and unhealthy bacteria. This same bacterial mixture will increase plant and root growth while eliminating contaminants such as powdery mildew.

Product Application/Air Treatment: BioCAZ Solution® is an innovative blend of natural micro-biotics and enzymes that, when combined with Clean Air Zone AG (CAZAG) air purification units, effectively captures and eliminate airborne contaminants. This dynamic duo enhances indoor air quality, making it suitable for residential and commercial spaces. Additionally, research indicates their remarkable ability to accelerate plant and root growth, fostering healthier and more resilient plants, while also combatting plant infections like powdery mildew.

Unique Feature: The bacteria that comprise the BioCAZ Solution® are safe and naturally-occurring and have been isolated from the natural environment. Each organism has been selected based upon careful study regarding their natural ability to digest and degrade particular chemicals, viruses, molds, or fungus. Together they can clean the air of many common contaminants. Hence, they can be used in an air cleaner to clean residential and commercial closed spaces. They have also been selected because, under study, they have been shown to accelerate plant and root growth facilitating healthier and more robust plants while also being capable of eliminating plant infections such as powdery mildew.

Biobased Content: The USDA Certified Biobased Product Label displays a product's biobased content – listed for the BioCAZ Solution® at 98% – which is the portion of a product that comes from a renewable source, such as plant, animal, marine, or forestry feedstocks. Utilizing renewable biobased materials displaces the need for non-renewable petroleum-based chemicals. Biobased products are cost-comparative, readily available, and perform as well as or better than their conventional counterparts.

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About SH BIO LLC & CAZAG INC

SH Bio LLC is the pioneering force behind the creation and production of BioCAZ Solution®, a landmark innovation in soil, plant and root growth enhancement and air purification technologies. This groundbreaking product sets a new standard in environmental care, blending efficiency with sustainability. In a similar vein of pioneering advancements, Clean Air Zone AG (CAZAG) leads the charge in next-generation green biotechnologies with its novel organic biotechnological air purification system. Distinguished by its patented design, this system heralds a new era in air purification, merging cutting-edge technology with a commitment to ecological stewardship. Together, these advancements promise not only to purify our air but to transform our environment into a cleaner, healthier space for future generations, demonstrating a profound commitment to eco-friendly practices and technological innovation.

About the USDA BioPreferred Program

With the goal of increasing the development, purchase, and use of biobased products, USDA's BioPreferred® Program was first introduced in the 2002 Farm Bill and reauthorized in 2018. It requires federal agencies and contractors to give purchasing preference to biobased products. The USDA BioPreferred Program also includes a voluntary certification and labeling initiative for biobased products. This is referred to as the USDA Certified Biobased Product Label.

More than 1,800 companies across the U.S. and in 47 countries participate in the Program. From farm and field all the way through the manufacturing process, the expanding market for biobased products creates jobs, supports rural economic growth in America, and has a positive impact on our planet. Have questions? Please contact: Vernell Thompson, USDA BioPreferred Program at Vernell.Thompson@usda.gov.