



ECOSORB CNB FORMULATIONS: Designed Especially for Cannabis Odors

The strong odors produced by growing cannabis can be difficult to manage. Created by the plant's oils (terpenes), odors are strongest when the flower is budding. Some odors from cannabis farms have been detected more than a mile from their source.

Complaints of cannabis odors have increased in some areas by as much as 87% since growing marijuana became legal. In Denver, 30% of odor complaints are cannabis-related. Local governments and clean air agencies are now enacting laws and issuing fines (in the tens of thousands of dollars) to limit odors.

Ecosorb® CNB Formulations are a natural odor remover designed for cannabis grow room, greenhouse, or processing facility odor control. Our blend of natural plant oils eliminates odor-causing chemical compounds in cannabis — including cannabinoids, terpenes, and sesquiterpenes — without the drawbacks of other odor mitigation techniques.

Ecosorb products do not contain harsh chemicals or synthetic fragrances. They do not mask odors and are safe for use around people and animals, even facilities near residential or commercial areas. Additionally, the distribution of Ecosorb requires no added water, thanks to advanced Vapor Phase technology.

INDEPENDENT TESTING PROVES ECOSORB EFFECTIVE & SAFE

TEST 1: EFFICACY

SCS Engineers hired odor emissions specialists to test air samples from an active California cannabis facility using Ecosorb CNB Formulations to mitigate exhaust odors.

RESULTS

- **20%** of treated air samples showed minimal increase in odor intensity*
- **80%** of treated air samples showed no increase in odor intensity*
- **98.7%** of cannabis odors eliminated

*Compared to baseline samples

TEST 2: SAFETY

CPF Associates completed an assessment to measure potential health impact of Ecosorb CNB Formulations.

RESULTS

- **100%** of emissions are below the available health-protective criteria
- **ZERO** toxic air contaminants (TACs) as identified by the State of California
- **LOWER** toxicity levels than chronic and acute inhalation criteria

CNB APPLICATIONS



Ecosorb technology can be engineered to absorb odors from escaping air exhaust.



Odor mitigation solutions can also be placed at indoor facilities with roof exhaust.



75 CFM

Innovative Vapor Phase Technology allows for implementation without need for added water.

CASE STUDIES

SCARGO LABS: HEMP & CBD PROCESSING FACILITY

75 CFM + CNB Formulation

Scargo Labs produces up to 1,000 Kg/month of CBD oil and a growing catalog of CBD products from their 25,000 sq. ft. Oakland, California headquarters (which borders schools and neighborhoods).

The facility had five government agencies knocking on their door within the first month of opening, and a nearby school complained that students were getting sick from its exhaust.

RESULTS

Before Ecosorb was used, they were in **the process of being evicted** because of the smells produced by their facility. However, since Ecosorb's technology and chemistry were implemented, the smell has been completely eradicated.

NATURE'S REMEDY: CANNABIS GROWING OPERATION

450 CFM Vapor System + CNB 100

When cannabis enterprise, Nature's Remedy, planned their new state-of-the-art, 4,000 square foot marijuana cultivation operation in Lakeville, Massachusetts, they knew odor control would be a definite need.

As part of their permitting process, owners had to guarantee they would not emit "noxious, harmful, hazardous" odors into the surrounding neighborhood, as required by the special regulations in Lakeville's zoning bylaws, specifically the odors escaping the building.

RESULTS

The company invested "a small fortune" on an internal charcoal filtration system to remove odors before the air recirculates inside the facility. To ensure absolutely zero odors became a nuisance to the area, Ecosorb engineers installed a perimeter vaporization system on the roof to act as a polishing agent. The system continuously mists dry vapor CNB 100 natural odor eliminator to scrub leftover odors from the air before it leaves the vicinity.

Nature's Remedy and, more importantly, their neighbors have been pleased with the results.

"We want to be good neighbors."

– John Brady, Nature's Remedy Principal