

NEXUS[™]: NATURE'S DILUENT

At The Werc Shop[®], we strive to provide scientific information to all cannabis users—whether patients or healthy adults—so informed choices can be made. The Werc Shop examined the safety and suitability of various ingredients used as diluents, or carriers, in cannabis vapor pens. Finding all existing options deficient, The Werc Shop found it necessary to introduce a new, proprietary diluent and carrier solution—**Nexus[™]**. **Nexus** contains native cannabis terpenes and acts as an enhancer and carrier specifically for cannabis vapor products.

WHY CARRIERS?

High-purity cannabis extract (e.g. +80% cannabinoids) has a consistency akin to honey. When loaded into a vapor cartridge alone, this elevated viscosity can impede the flow and effective wicking of the extract into the heating element. Adding terpenes can “thin” cannabis extracts to decrease viscosity and encourage flow. However, adding too great an amount of terpenes can result in negative and unpleasant side effects, especially when the ratio of cannabinoids to terpenes diverges from that expressed by the cannabis plant itself. In addition, mixing extracts with certain flavors can create unstable solutions that separate over time, delivering inconsistent dosing and rendering pens unreliable or inoperable. Furthermore, the potency of cannabis extracts frequently varies batch-to-batch bedeviling efforts to standardize products. In an attempt to address this myriad of challenges, many vapor cartridge formulas are composed of a combination of three ingredients: refined extract, flavor, and a carrier.

WHY NEXUS?

As a leader in cannabis vapor pen technology, The Werc Shop is excited to introduce **Nexus** - the first Native terpene carrier and enhancer designed specifically for cannabis vapor applications (patent pending). **Nexus** provides a potentially safer alternative to other carriers currently in use and improves upon their shortcomings.



(E)-phytol
Nexus

Nexus is comprised largely of phytol, a viscous diterpene alcohol produced by the cannabis plant. All other cannabis vapor pen carriers belong to a related family of molecules: glycols, glycerol, or their substituted derivatives, triglycerides. In contrast, **Nexus** contains terpene alcohols that are unlikely to undergo similar decomposition pathways. Furthermore, the fact that terpenes such as phytol are found natively in cannabis provides a level of comfort that inhaled **Nexus** has a safety profile related to cannabis itself.

Nexus has excellent characteristics as a base for vaporizer cartridges. It is nonpolar and is fully miscible with cannabinoids and terpenes. The taste of **Nexus** is very mild and does not contribute significantly to the overall aroma of the product. Like many other terpene formulations, **Nexus** is believed to have a specific synergy with cannabinoids when consumed together. Termed the Ensemble Effect, reports suggest that high levels of phytol in smoked cannabis material is notably calming.

For more information about **Nexus** check out our whitepaper research or contact your representative to learn more.

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