

Nanoemulsified Colorado Hemp Oil

1.7 fl. oz. (50 mL), Precision Pump-Top
or 1 oz. (30 mL) Spray Bottle



Quicksilver Scientific brings you a standardized, highly bioavailable form of cannabidiol, the non-psychoactive yet highly physiologically active compound derived from the hemp plant, *Cannabis sativa*. Cannabinoids, the family of compounds found in *C. sativa*, have been shown to have a broad influence on the body, impacting expression of more than 1000 genes. Among these genes, they have been shown to upregulate expression of cellular antioxidant defenses through pathways including Nrf2, a primary regulator of cellular antioxidant production, and downregulate that of many inflammatory signaling molecules.¹

Cannabinoid receptors, namely CB1 and CB2, exist widely in the body, being highly expressed in the hippocampus and central nervous system (CNS), the immune system, and peripheral nervous system.² Cannabinoid receptors are strongly stimulated by the endogenous compounds 2-arachidonoylglycerol and anandamide, the later whose name is taken from the Sanskrit word ananda, meaning joy or bliss.³ The immune system and nervous system produce endogenous cannabinoids which activate the CB1 and CB2 receptors.⁴ When taken orally, cannabinoids have an effect of increasing levels of the endogenous endocannabinoids and also bind these receptors.

Cannabinoids may act as neuroprotective antioxidants, with studies demonstrating an effect superior to alpha-tocopherol (vitamin E) and ascorbate (vitamin C) in preventing glutamate toxicity.*⁵ Cannabinoids support a balanced mood and neurotransmitter balance, as well as modulate CNS excitability and the immune system response.*^{4,6,7} They also support musculoskeletal system function and joint health.*^{8,9}

Nanoemulsified Colorado Hemp Oil brings you a board spectrum of non-psychoactive cannabinoids, offering wide array of support for normal function and physiology. The nanoemulsified format improves bioavailability with higher and faster absorption rates than other CBD supplements, achieving plasma levels more than 5 times that of other oral liquids. The nanoemulsified particles enable delivery of biologically active substances directly to circulation as well as improved cellular delivery.

Quicksilver Delivery Systems™ brings the power of intravenous therapy into convenient oral delivery.* Our Quicksilver Delivery Systems™ improve upon liposomal and emulsification technology with smaller, more stable particles made from the highest-grade ingredients available. In addition to exceptional absorption rates, these very small liposomal and nanoemulsified particles enhance lymphatic circulation of nutrients and intracellular delivery.^{10,11} The phospholipids, inherent in the liposomal and nanoemulsified formats, nourish cell membranes, promoting proper function for the absorption of nutrients and the excretion of cellular waste products and toxins.*¹²

References:

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7. Resstel LB, et al. Br J Pharmacol. 2009 Jan;156(1):181-8.
8. Costa B, et al. Eur J Pharmacol. 2007 Feb 5;556(1-3):75-83.
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SUPPLEMENT FACTS

Serving Size: 2mL (4 pumps)	Amount	% Daily
Servings per container: 25	Per Serving	Value

Hemp Extract (seeds and stems)	21mg	**
Phytocannabinoid Diols	12mg	**

**Daily Value Not Established.

Other Ingredients: Water, Glycerin, Ethanol, Vitamin E (as tocopherol and natural mixed tocopherols), Phospholipids (from purified sunflower seed lecithin), Natural Citrus Oils (flavoring)

Suggested Use: Take 2 pumps by mouth twice daily. Hold in mouth 30 seconds before swallowing. Repeat to desired dosage or as directed by healthcare professional. Take on empty stomach, at least 10 minutes before meals. May be stirred into small amount of water. Refrigerate upon receipt. Use within 30 days of opening. If pregnant, consult physician before use.

*These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease.