



ThymoQuin™



THE FIRST STANDARDIZED COLD-PRESS *NIGELLA SATIVA* (BLACK SEED) OIL STANDARDIZED TO 3% THYMOQUINONE

***NIGELLA SATIVA* OIL (NSO)** is widely used in various traditional Eastern and Ayurvedic systems of medicine as a therapeutic tool for many different ailments and conditions. *Nigella sativa* seeds have been used medicinally in the Middle East and Southeast Asia for over 2,000 years. Black cumin seeds are mentioned in the Bible and the Koran where they are referred to as “the blessing seed,” created by God in order to relieve difficult medical conditions. Black seeds were also buried with Egyptian pharaohs to aid in the afterlife journey. TriNutra™ has, for the first time, been able to naturally standardize Black Seed Oil's key phytonutrient, thymoquinone.

Extensive preclinical, animal, and clinical research has been conducted on *N. sativa*'s properties and it is among the top ranked evidence-based herbal medicines. Most of the therapeutic properties of this plant are attributed to its essential oil constituent, thymoquinone (TQ). Approximately **50 clinical trials** have evaluated the efficacy of black seed preparations for a variety of conditions.*

Nigella sativa oil is the lipid component derived from slow, cold-press extraction of the plant's seeds and is liquid at room temperature.

Cold-press extracted NSO is the preferred form because it does not involve the use of solvents or heat that can diminish the quality of the oil.

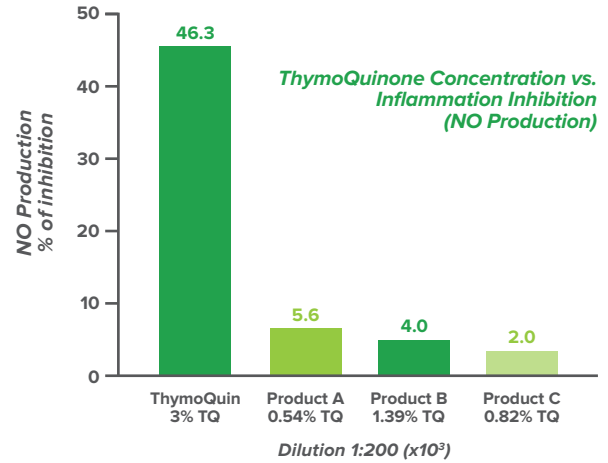
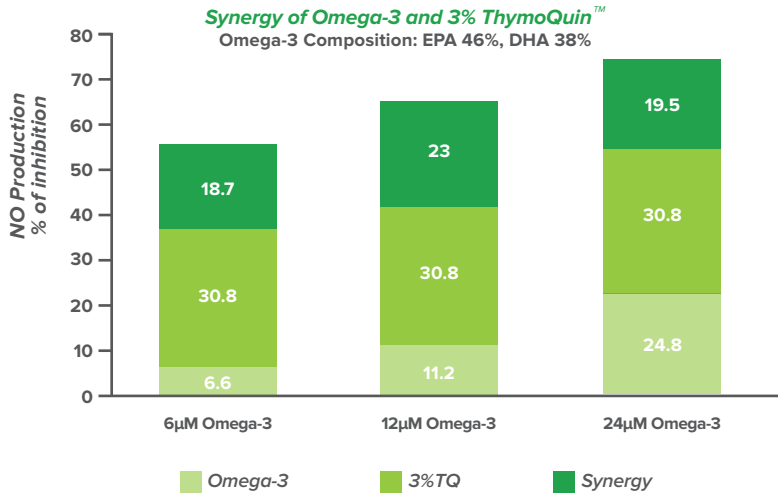
Scientific analysis has found that NSO contains high concentrations of many different healing components.

Using cold-press oil bypasses certain regulatory issues, as this method for obtaining NSO has been in existence prior to DSHEA legislation in the United States and Novel Food legislation in Europe.

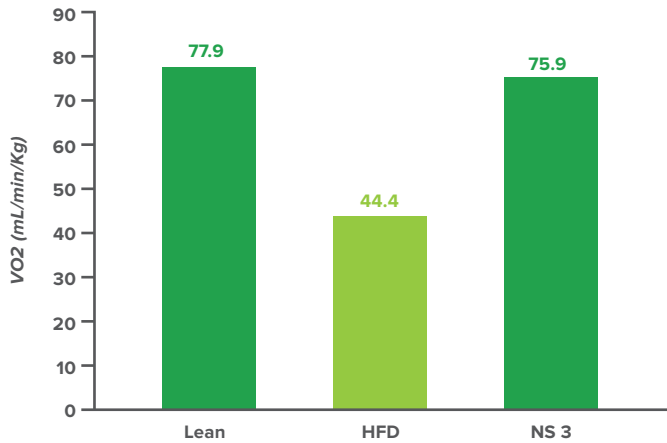
TriNutra™ has developed a *Nigella sativa* breeding program to yield high-concentration thymoquinone varieties (Non-GMO) that thrive in the Israeli climate and yield 2-3 times the thymoquinone content of other varieties. TriNutra's™ black seed oil, ThymoQuin™, is extracted from these plants via slow, cold-press extraction and is the first cold-press oil standardized for thymoquinone 3%. TriNutra's™ cultivation practices ensure complete farm-to-finished-product traceability, including history of the farm, varieties produced, cultivation and harvesting conditions, seed storage, and processing.

ThymoQuin™ 3% has been demonstrated to potentiate the anti-inflammatory activity of omega-3 oils when the two are combined – an effect not observed with other NSO products on the market.

Standardized cold-press ThymoQuin™ 3% exhibits superior anti-inflammatory activity when compared to other NSO products with lower thymoquinone (TQ) concentrations, demonstrating that standardization improves therapeutic benefit.



A recent study using an animal model of metabolic syndrome demonstrated that ThymoQuin™ 3% (NS 3) administration to mice resulted in higher oxygen consumption (VO₂) compared to lean mice (control) or mice on a high-fat diet. Increased oxygen consumption is a marker of greater mitochondrial function and biogenesis, indicating a decrease in adipogenesis. Levels of oxygen consumption in the group of mice taking ThymoQuin™ 3% was nearly equal to that of lean, healthy mice.



Thymoquin™ 3% COLD-PRESS OIL

- First cold-press oil standardized to 3% Thymoquinone
- Enhances the anti-inflammatory effect of omega-3 fatty acids*
- 0.45 grams ThymoQuin™ 3% has the same anti-inflammatory activity as 1 gram pure Curcumin C3*
- Demonstrates superior benefits to other *N. sativa* products on oxygen consumption, blood pressure and blood glucose mechanisms*
- Significant clinical support for anti-inflammatory, cardiovascular, upper respiratory, and blood-sugar benefits*

*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.

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