



# **Choosing the Best** Immune-boosting **Elderberry Ingredient**

ElderMune® – An Innovative New Approach to Elderberry

# and purity -**ElderMune®** is Bursting with Benefits An Exceptional Elderberry Ingredient

Beyond traceability

## of elderberry juice concentrate combined with

ElderMune® is a synergistic combination

Sunfiber®, a soluble prebiotic fiber for enhanced digestibility. ElderMune® boasts an impressive 65:1 ratio

## The Sunfiber® in ElderMune®

>> Helps replace the natural elderberry fiber lost during juicing

65 g of pressed elderberries → 1g of elderberry juice concentrate

## anthocyanins and polyphenols and helps with their absorption<sup>1,2</sup>

>> Eliminates the need for unwanted maltodextrin found in

>> Increases the antioxidant potential of the elderberry

- most elderberry products
- The Elderberry Category is Filled with Opportunity

# Functional Beverages in Demand

### 168.9% \$78 100% Shelf stable Sales growth of

beverage growth since April 2020

functional

\$265.8 million in supplement channel Over 21% of organic consumers are looking for Nutrition Meets Convenience, making ElderMune®

Elderberry products

in the US, reaching

& beverages in 2020 the ideal addition to your RTD beverage

Sales of

functional foods

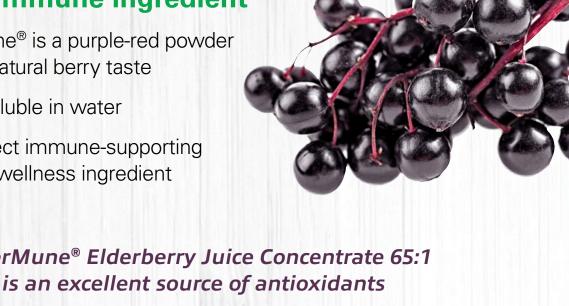
ElderMune® is the ideal beverage immune ingredient >> ElderMune® is a purple-red powder that has a natural berry taste

## >> The perfect immune-supporting and overall wellness ingredient

- ElderMune® Elderberry Juice Concentrate 65:1

>> Highly soluble in water

Elderberry is supported by strong science on its immunomodulatory and antioxidant effects

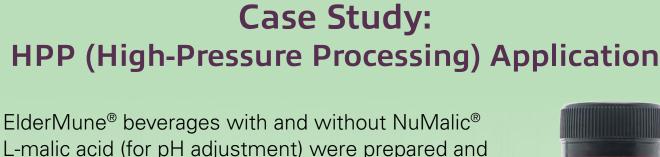


immunomodulatory effects and has been shown to inhibit cytokine production in a beneficial way

>> ElderMune® specifically has been studied for its

### >> Additionally, the Sunfiber® has been shown to work synergistically with the elderberry juice concentrate, demonstrating increased immunomodulatory inhibition and

increased antioxidant potential For immune support, a dose between 100 mg and 1,000 mg is recommended



>> The levels of anthocyanins increased after HPP >> The levels of anthocyanins increased substantially with L-malic acid

processing may be due to both the high pressure and L-malic acid helping to release additional anthocyanins physically bound in the elderberry

>> The increase in anthocyanin content during

>> HPP is suitable for maintaining the anthocyanin

subjected to HPP. The following was observed:

**Conclusions:** 

content of the solution

juice concentrate, thus increasing their availability in solution This makes High Pressure Processing an excellent option for Beverages containing ElderMune®

Formulate with Ease ✓ ElderMune® is highly soluble Various solubility parameters have been determined for RTD and powdered beverage applications ✓ ElderMune® imparts a natural purple-reddish hue-Suitable for natural coloring purposes

✓ ElderMune® is highly palatable

applications and flavor systems

concentrate, leading the way in delivering more fruit (equivalent) per gram than other elderberry ingredients.

65 grams of

**Elderberries** 



1 gram of Elderberry Juice Concentrate

Abundant Advantages

ElderMune® is a JUICE CONCENTRATE which contains

more active phytonutrients than your typical concentrate

## Versatility ElderMune® works well in: Powders + Stick Packs + RTDs



Recommended dose: 100 - 1000 mg/serving

Can be combined with probiotics for total microbiome support

**Availability** 

Elderberry is high in demand, but limited in supply.

USDA ORGANIC

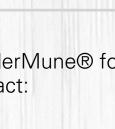
**ElderMune**® is free of:

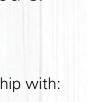
VEGAN





**GLUTEN** 



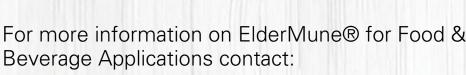


Email: sales@taiyoint.com

ElderMune® and Sunfiber® are supplied as part of an exclusive portfolio of proprietary ingredients

Quality Assurance ElderMune® is made from quality Haschberg variety elderberries, obtained from reputable sources and is:







1-763-398-3003 www.nutriscienceusa.com

REFERENCES 1 https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3052441/ 2 https://academic.oup.com/ajcn/article/79/5/727/4690182 SPINS, 52 Weeks ending April 2021 Nutrition Business Journal, Immune Health Special Report 2020.

https://www.frontiersin.org/articles/10.3389/fnut.2018.00087/full

https://pubmed.ncbi.nlm.nih.gov/29388158/ https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6139254/ https://lpi.oregonstate.edu/mic/dietary-factors/phytochemicals/flavonoids https://scholarworks.uark.edu/cgi/viewcontent.cgi?article=4167&context=etd

https://www.nrcresearchpress.com/doi/pdf/10.4141/P05-139

from NutriScience Innovations LLC. ElderMune® is a registered trademark of Innovative Natural Solutions, LLC (INS Farms). Sunfiber® is a registered trademark of Taiyo International, Inc. https://pubs.rsc.org/en/content/articlelanding/2019/fo/c8fo01997e#!divAbstract https://www.hindawi.com/journals/jnme/2018/7497260/