



# MAQUIFORZA<sup>™</sup>

The Maqui berry is a traditional symbol of health and vitality, a treasure of the Mapuche Indians of South America. MaquiForza<sup>™</sup> is produced from certified organic Maqui berries native to Chile, which have been freeze-dried using the unique patented QFD technology.



## Quality Control:

NP Nutra's MaquiForza<sup>™</sup> is produced in a BRC certified facility. The raw materials are carefully selected, cultivated and processed resulting in a premium freeze-dried powder with much higher levels of anthocyanins, polyphenols and ORAC than other products.

QFD freeze-drying technology reduces the vacuum to 50 times lower than the standard freeze-drying process, with lower surface temperature and shorter drying time. This unique process which uses the whole fruit maintains 50-70% more anthocyanin content, resulting in a very potent organic, freeze-dried MaquiForza<sup>™</sup>.

## Active Constituents:

Maqui berries are known to have the highest antioxidant levels of any fruit<sup>1</sup>. These include anthocyanins, delphinidin, malvidin, petunidin, cumarins, triterpenes, flavonoids, and cyanidin. Maqui is also a good source of, calcium, potassium, and iron.

Maqui berries are traditionally used to promote strength, endurance and overall health. The antioxidants in Maqui berries may help to promote immune and cellular health, support bone and joint health and maintain cholesterol and triglyceride levels in the normal range.



**Product Name:** MaquiForza<sup>™</sup>

**Botanical Name:** Aristotelia chilensis

**Active Ingredients:** Antioxidants, Iron Calcium

**Extraction Method:** Freeze-dried

**Appearance:** Fine purplish powder

**Solubility:** Mostly soluble

**Shelf Life:** Two years if sealed and stored away from sunlight and moisture.

Not over 30°C

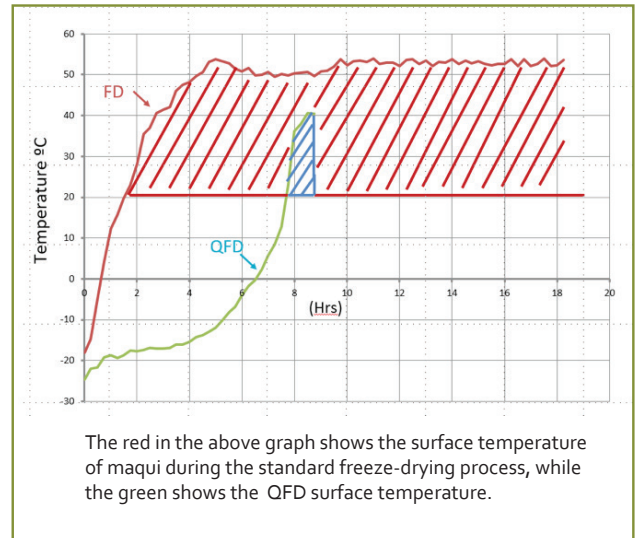
**Applications:** Nutritional supplements, functional foods and beverages, capsules, tables and nutritional powders

**Certifications:** Organic, Kosher



The anti-inflammatory activity of the Maqui berry was first investigated by Chilean University researchers in 2009. Their results published in March 2010 found that “the fruits and their constituents have excellent anti-inflammatory activities and thus have great potential as a source for natural health products.”<sup>2</sup>

Research at the Universidad Austral de Chile directed by Juan Hancke PhD, found that Maqui supports healthy blood sugar levels, is anti-inflammatory, boosts the immune system, neutralizes enzymes that destroy connective tissue, prevents oxidants from damaging connective tissue, and repairs damaged proteins in the blood-vessel walls. The research also concluded that Maqui berry lightens allergic reactions and increases capillary permeability, promotes cardiovascular health and may improve eyesight.<sup>3</sup>



	TOTAL POLYPHENOL CONTENT (mg of GAE/ 100g)
MaquiForza™	6797

## History:

The Mapuche Indians are the only known indigenous people in the Americas who have never been conquered by an invading force. For centuries the Mapuche have used the Maqui berry for both food and medicine, to give strength and stamina and to improve health. The Maqui berry tea-drinking Mapuches successfully resisted many attacking armies, including the Spanish conquistadors, the Mayans and the Incans!

**Anthocyanins** are produced by plants for self-protection against sun, irradiation, diseases, and biological enemies. Anthocyanins are antioxidant flavonoids that protect many body systems and have some of the strongest physiological effects of any plant compounds. Scientists say that the harsh climate of central and southern Chile, together with high solar radiation (50% increase in the last 30 years) have increased the anthocyanins in the fruits and berries that are grown in that region.

<sup>1</sup> As measured by Brunswick Laboratories.

<sup>2</sup> Carlos L CÉSPEDES, Julio ALARCON , Jose G AVILA, Antonio NIETO, “Anti-inflammatory Activity of Aristotelia chilensis Mol. (Stuntz) (Elaeocarpaceae).” © 2010 Boletín Latinoamericano y del Caribe de Plantas Medicinales y Aromáticas, 9 (2), 127 – 135.

<sup>3</sup> *Ibid*

\* The products and the information provided about specific products have not been evaluated by the United States Food and Drug Administration and are not approved to diagnose, treat, cure or prevent disease.

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