

S U P E R

MAQUI

P L U S™

WITH DELPHINOL® 100 MG





THE SUPER MAQUI™ BERRY

The most potent antioxidant superfruit in the world.

The Super Maqui™ berry is considered to be the most powerful antioxidant superfruit for being rich in polyphenols, anthocyanins, and delphinidins. These components neutralize free radicals, which are agents that are highly reactive and can cause oxidative stress and inflammation in the body. Through the process of neutralizing free radicals, The Super Maqui™ berry can protect the body from their negative effects, such of aging and dry eyes, and support an environment in the body that is less conducive to the production of cancerous cells.

DIFFERENTIATING CAPACITY

The antioxidant qualities of foods are measured in ORAC (Oxygen Radical Absorbance Capacity) units. It was developed by the National Institutes of Health and the USDA to measure

the efficacy in neutralizing degenerative and disease-causing free radicals.

Super Maqui™ berries exhibit the highest ORAC capacity amongst all known berries. It has an ORAC value that is seven times that of acai berries and nine times that of goji berries.

DELPHINOL®

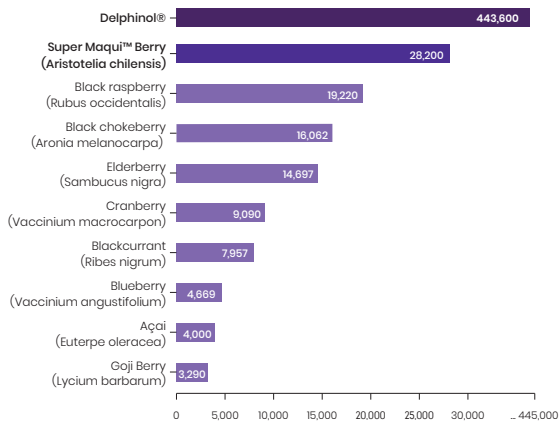
An innovative and unique extract with exceptional anti-aging, anti-inflammatory, and antioxidant benefits

Delphinol® is a world class and unique extract that is produced by Anklam, a state-of-the-art research facility located in Germany. The lab ensures that production is GMP (Good Manufacturing Procedures) compliant, which also ensures the consistent quality and safety of our products.

The method used for Delphinol® production is patent protected under the MNL Group (US 14/067,066). This process enables Anklam to make the Super Maqui™ berry extract that has an ORAC value 15 times that of the berry itself.



ORAC VALUE

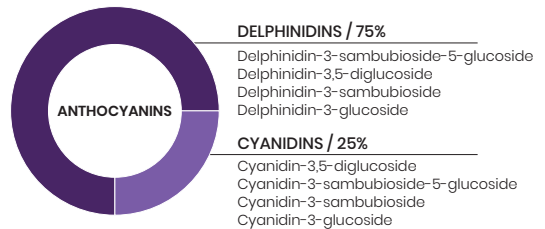


Source: ORAC (Oxygen Radical Absorbance Capacity) Database of the US Department of Agriculture of the USA. May, 2010.

MAQUI BERRIES HAVE THE HIGHEST CONTENT OF DELPHINIDINS OF ALL KNOWN BERRIES

Due to their polyphenol composition, Super Maqui™ berries are considered to be the most power-packed berries around. They grow in a unique microclimate in the Andes Mountains

ANTHOCYANINS*



*Anthocyanins are produced by plants for self-protection against sun, irradiation, diseases and biological enemies.

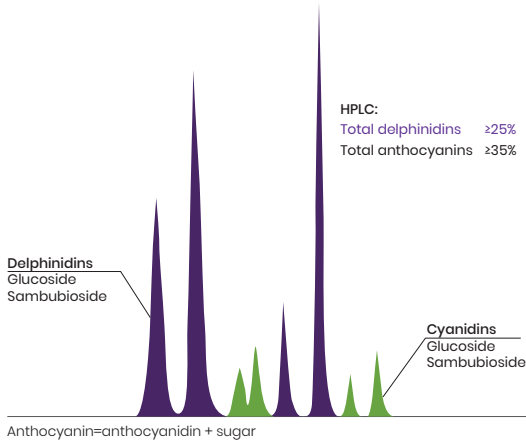
that helps the berries yield 30-40% more health-bearing molecules than their counterparts harvested in other regions.

Super Maqui™ berries also have the highest value of anthocyanins of all known berries. 75% of their anthocyanin content is comprised of highly bioavailable delphinidins while the remaining 25% is made up of cyanidins.



ANTIOXIDANT

Super Maqui Plus™ with Delphinol® extract standardized to anthocyanins content

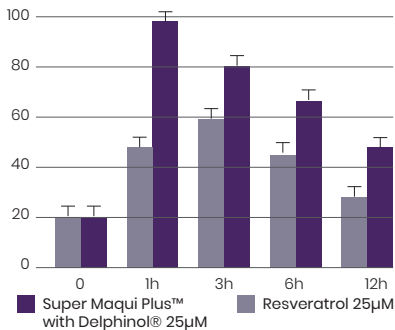


SUPER MAQUI PLUS™ WITH DELPHINOL®: POWERFUL SOURCE FOR POLYPHENOLS

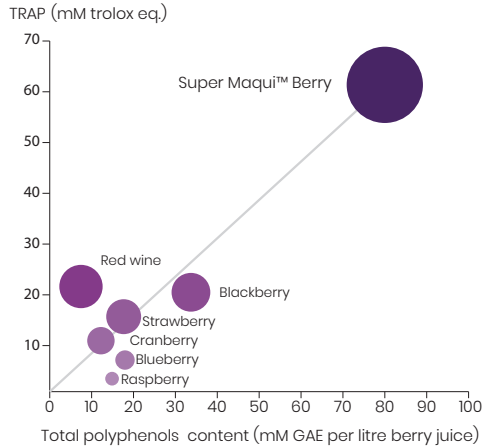
Researchers discovered that the Super Maqui™ berry yields approximately three times as many polyphenols and correspondingly has three times the antioxidant capacity as the blackberry. Initial investigations in regards to their health contributions, such as these, spurred an interest in the benefits of Super Maqui™ berries.

SUPER MAQUI PLUS™ WITH DELPHINOL® ACTIVATES ANTIOXIDANT DEFENSE BETTER THAN RESVERATROL

(Nrf2 D. U.)



Total radical trapping potential (TRAP) of different berry juices

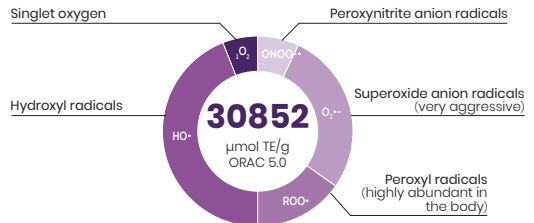


SUPER MAQUI PLUS™ WITH DELPHINOL® SUPERIOR FULL-SPECTRUM ANTIOXIDANT ORAC POTENCY

Super Maqui Plus™ with Delphinol® has been analysed at the Brunswick Laboratories for an estimation of the total ORAC value.

It was also shown to extinguish all five radical species and yields a total ORAC potency of 30,852 micro-mol Trolox equivalents per gram of the extract.=

Super Maqui Plus™ with Delphinol® shows superior quenching efficacy for all five reactive oxygen radical species

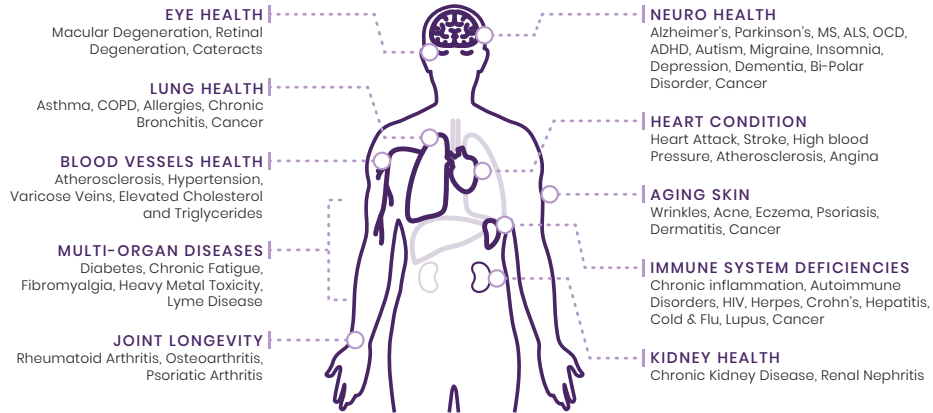


Ou et al., Brunswick Laboratories certificate of analysis, 2013.

ANTI-INFLAMMATION

THE BODY'S RESPONSE TO
OXIDATIVE STRESS WITHOUT
SUPER MAQUI PLUS™ WITH DELPHINOL®

SUPER MAQUI PLUS™
WITH DELPHINOL®



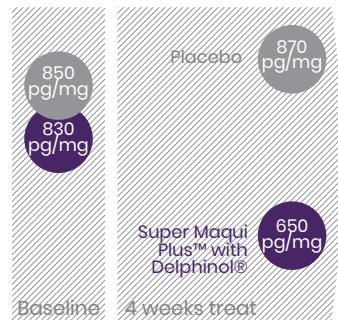
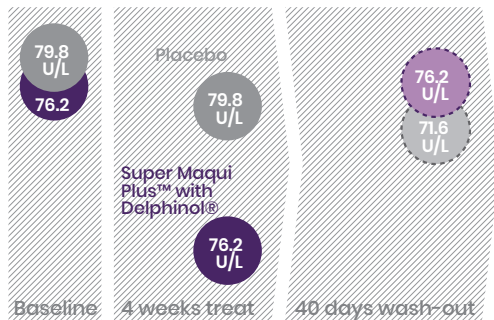
Super Maqui Plus™ with Delphinol® has superior full-spectrum antioxidant ORAC potency

Delphinidins represent the most potent antioxidant anthocyanins

Super Maqui Plus™ with Delphinol® lowers oxidised LDL cholesterol in cigarette smokers

Double-blind, placebo controlled, cross-over Super Maqui Plus™ with Delphinol® trial

Super Maqui Plus™ with Delphinol® significantly lowers F2 isoprostane in humans



Urinary F2 isoprostanes per mg of creatinine

Blood plasma oxidised LDL in 42 smokers

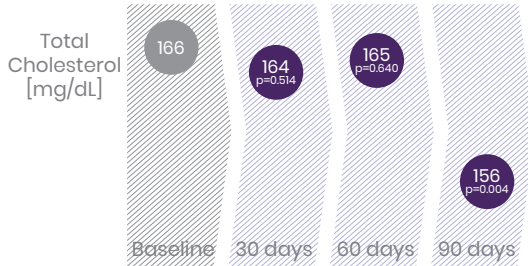
Units referred as picograms of F2 isoprostanes per mg of creatinine.

Davinelli et al., J Am Coll Nutr, 34 Suppl 1: 28-33, 2015.

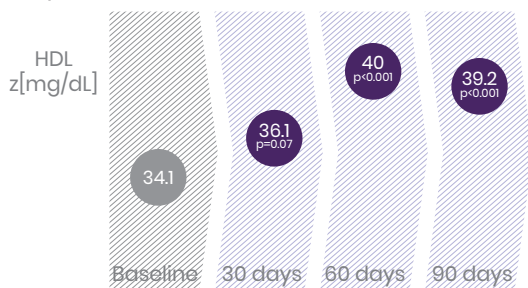
Davinelli et al., J Am Coll Nutr, 34 Suppl 1: 28-33, 2015.

CARDIOVASCULAR

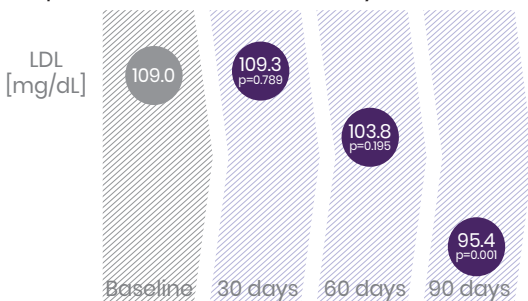
Regular intake of Super Maqui Plus™ with Delphinol® lowers total cholesterol



Regular intake of Super Maqui Plus™ with Delphinol® increases HDL cholesterol

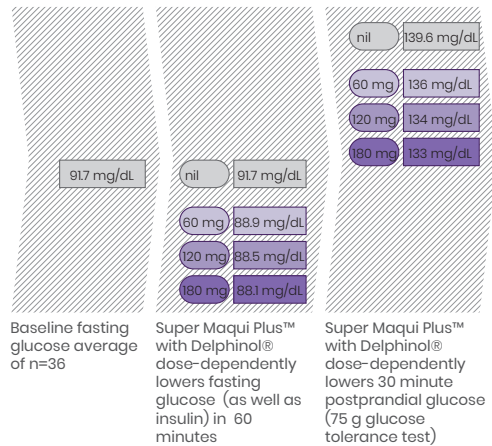


Regular intake of Super Maqui Plus™ with Delphinol® lowers low-density cholesterol

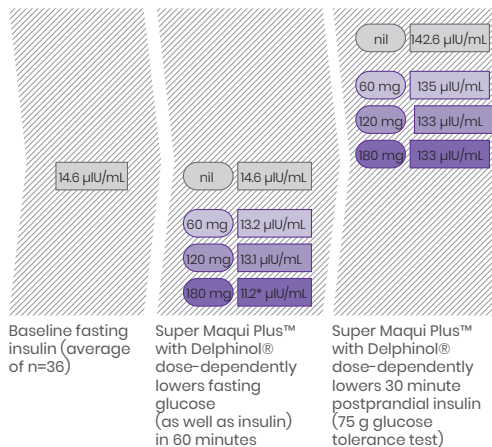


The following graphs present the dose-effect of three dosages of Sugar Maqui Plus™ with Delphinol® on fasting glucose. This study demonstrates that as little as 60 mg can have a significantly positive impact on blood glucose levels.

Single intake of Super Maqui Plus™ with Delphinol® lowers fasting and postprandial glucose



Single intake of Super Maqui Plus™ with Delphinol® lowers fasting and postprandial insulin



Alvarado et al., manuscript in preparation, PanMinerva Medica, 2016

SUGAR METABOLISM

PARTICIPANTS WITH IMPAIRED GLUCOSE METABOLISM (PRE-DIABETES)

Included 36 pre-diabetic participants:

Women and men ages 18-50, BMI > 23 kgm⁻².

Inclusion criteria:

A basal (stable-overnight) blood glucose concentration greater than 100 mg/dL, or basal insulin > 15 µU/mL.

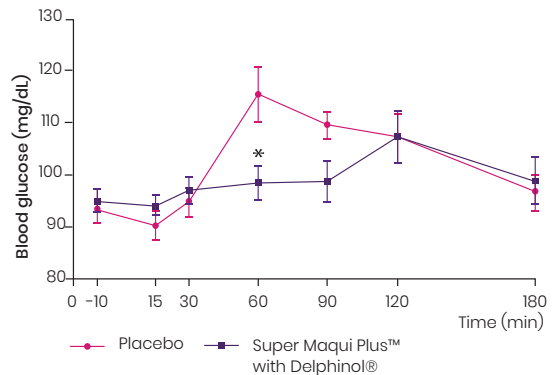
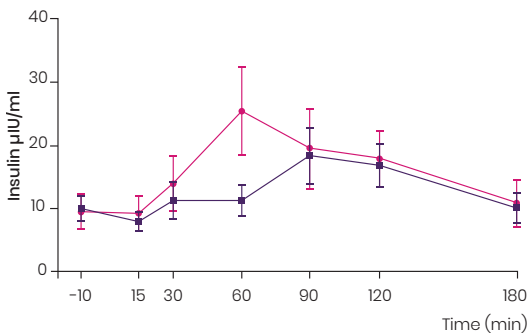
Blood glucose values reaching or exceeding 160 mg/dL at any time.

A blood glucose value persisting at ≥ 140 mg/dL over two hours, or insulin values persisting at ≥ 60 µU/mL, for a continuous time period of 120 minutes.

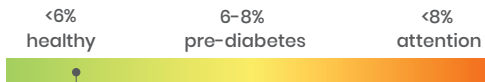
Method:

120 minutes after consuming 75 grams of carbohydrates (cooked white rice, grade 1). In each session, all patients received a glass of water containing either a dissolved placebo or 200 mg of Super Maqui Plus™ with Delphinol® powder as a single dose after a 12 hour fasting period.

Effects of Super Maqui Plus™ with Delphinol® on postprandial insulin and glucose concentrations



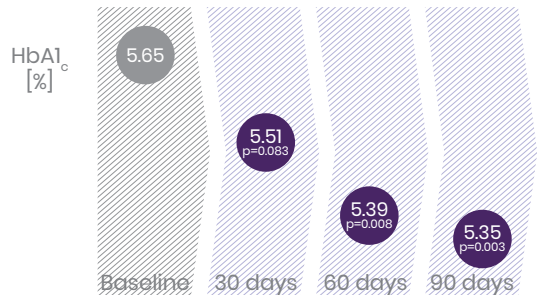
After 60 days of supplementation the drop in HbA1c reached statistical significance.



5.65
31 recruitstaking
no medication
altered glucose: 1
altered insulin: 14
both: 16

Vigil et al., manuscript in preparation, 2015

Regular intake of Super Maqui Plus™ with Delphinol® shows lasting lowered blood glucose levels



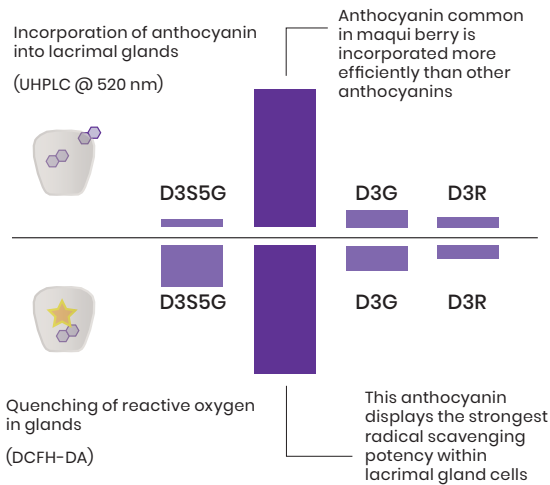
Alvarado et al., manuscript in preparation, PanMinerva Medica, 2016

SUPER MAQUI PLUS™ WITH DELPHINOL® RESTORES FLUID RELEASE FROM LACRIMAL GLANDS

When the eye suffers from dry eye symptom, it lacks nutrition and protection.

In a study performed in cells of the lacrimal gland, it was shown that Super Maqui Plus™ with Delphinol® was able to penetrate this tissue and suppress inflammatory processes caused by oxidative stress, restoring the normal tear production.

The Super Maqui Plus™ with Delphinol® specific delphinidin is the active principal

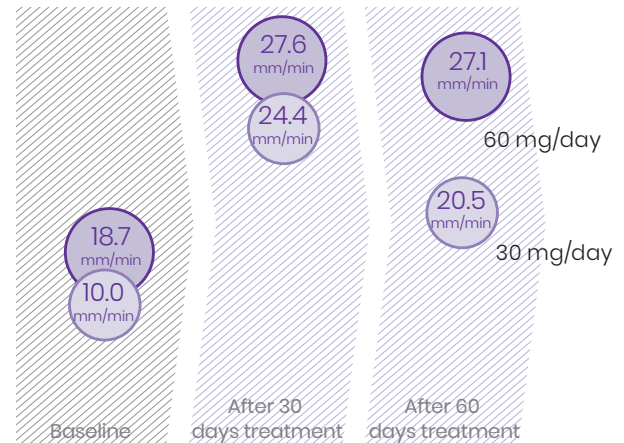


As shown in the above graphic, one of the delphinidins exclusively present in Super Maqui Plus™ with Delphinol® has demonstrated a high bioavailability to lacrimal gland cells.

This allows the cells that have absorbed the delphinidin D3G5G to be insulated more effectively from oxidative stress than those provided with anthocyanins present from other products.

SUPER MAQUI PLUS™ WITH DELPHINOL® INCREASES TEAR FLUID IN PEOPLE WITH DRY EYES

Tear fluid generation was investigated by Schirmer test in 13 individuals with dry eyes



When Super Maqui Plus™ with Delphinol® was tested in human volunteers with dry eye syndrome, it was found that a dose of 60 mg per day of the extract improved dry eye syndrome from the 30th day of use, while doses of 30 mg per day do not present such a noticeable effect.

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