

Macushield™

Wide spectrum ophthalmologic support

DESCRIPTION

Macushield™ capsules of Douglas Laboratories® provide a multi-vitamin and mineral formulation with several key nutrients, including vitamin A, beta-carotene, bilberry extract, L-taurine, L-glutathione, and zinc that are important in maintaining normal eye function.

FUNCTIONS

More than any other tissue in the body, the ocular lens and retina are continually exposed to oxygen and intense light radiation. Both light and oxygen can create free radicals that play havoc with membrane lipids of visual cells. Experts believe that the uncontrolled generation of free radicals in the eyes can ultimately lead to macular degeneration and cataracts. Therefore, ocular tissue relies on a strong antioxidant defense system to protect them from free radical damage.

Extracts of bilberry and Ginkgo biloba, green tea, rutin, quercetin, and hesperidin are a rich source of flavonoids that provide potent antioxidant defense in retinal visual cells and help maintain healthy vascularization in ocular tissue.

Glutathione and selenium are essential components for healthy activity of the antioxidant enzyme glutathione peroxidase which is abundant in healthy eyes. Glutathione peroxidase levels, however, decline with advancing age, and an adequate dietary supply of glutathione, its precursor N-acetyl-L-cysteine, and selenium may help maintain healthy levels of this important enzyme.

Beta-carotene serves at least two purposes for the eyes. It is a valuable precursor for vitamin A which functions in the retinal cells as a light receptor. Beta-carotene, as well as other carotenoids in Macushield™, such as lutein and lycopene, are also important antioxidants in the lens and retina.

Zinc is not only essential for normal visual signal transduction in the retina, but also is part of many of the enzymes involved in vitamin A dependent light reactions in retinal cells. Moreover, zinc, as well as

copper and manganese, are essential cofactors of superoxide dismutase, an antioxidant enzyme that removes potentially dangerous superoxide radicals in the visual cells, the lens, and other tissues.

Taurine, the most abundant free amino acid in ocular tissue, is thought to help stabilize neural membranes in retinal cells and modulate photoreceptor activity.

INDICATIONS

Macushield™ capsules may be a useful dietary supplement for those who wish to increase their intake of nutrients that may support the healthy functioning of their vision.

FORMULA (#85014)

Six Capsules Contain:

Vitamin A	15,000	I.U.
(33% as Vitamin A Palmitate/67% as Beta-Carotene from Dunaliella salina, a natural source, providing Beta-Carotene, 90 mcg, Alpha Carotene, 18 mcg, Zeaxanthin, 22 mcg, Cryptoxanthin and Lutein.		
Vitamin C	500	mg
Vitamin E	200	I.U.
(as d-alpha-tocopheryl succinate)		
Thiamin (as Thiamin HCl)	25	mg
Riboflavin (as Riboflavin HCl)	25	mg
Niacin/Niacinamide	60	mg
Vitamin B-6 (as Pyridoxine HCl)	25	mg
Folic Acid	200	mcg
Vitamin B-12	100	mcg
Pantothenic Acid	100	mg
Calcium (from Calcium Citrate)	100	mg
Magnesium (from Magnesium Citrate)	200	mg
Zinc (from Zinc Picolinate)	20	mg
Selenium (as Selenomethionine)	200	mcg
Copper (from Copper Sebecate)	3	mg
Manganese	3	mg
L-Taurine	400	mg
Quercetin Bioflavonoid	50	mg
N-Acetyl-L-Cysteine	200	mg
Bilberry Extract	40	mg

(continued on reverse)

<i>Ginkgo biloba</i> Extract	40	mg
L-Glutathione (reduced)	25	mg
Green Tea	50	mg
Rutin	15	mg
Hesperidin.....	10	mg
Lycopene (from Lycopene Complex)	1	mg
Lutein (from Lutein Complex)	10	mg

SUGGESTED USE

Adults take 6 capsules daily or as directed by physician.

SIDE EFFECTS

No adverse effects have been reported.

STORAGE

Store in a cool, dry place, away from direct light. Keep out of reach of children.

REFERENCES

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**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.**

**Manufactured by
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