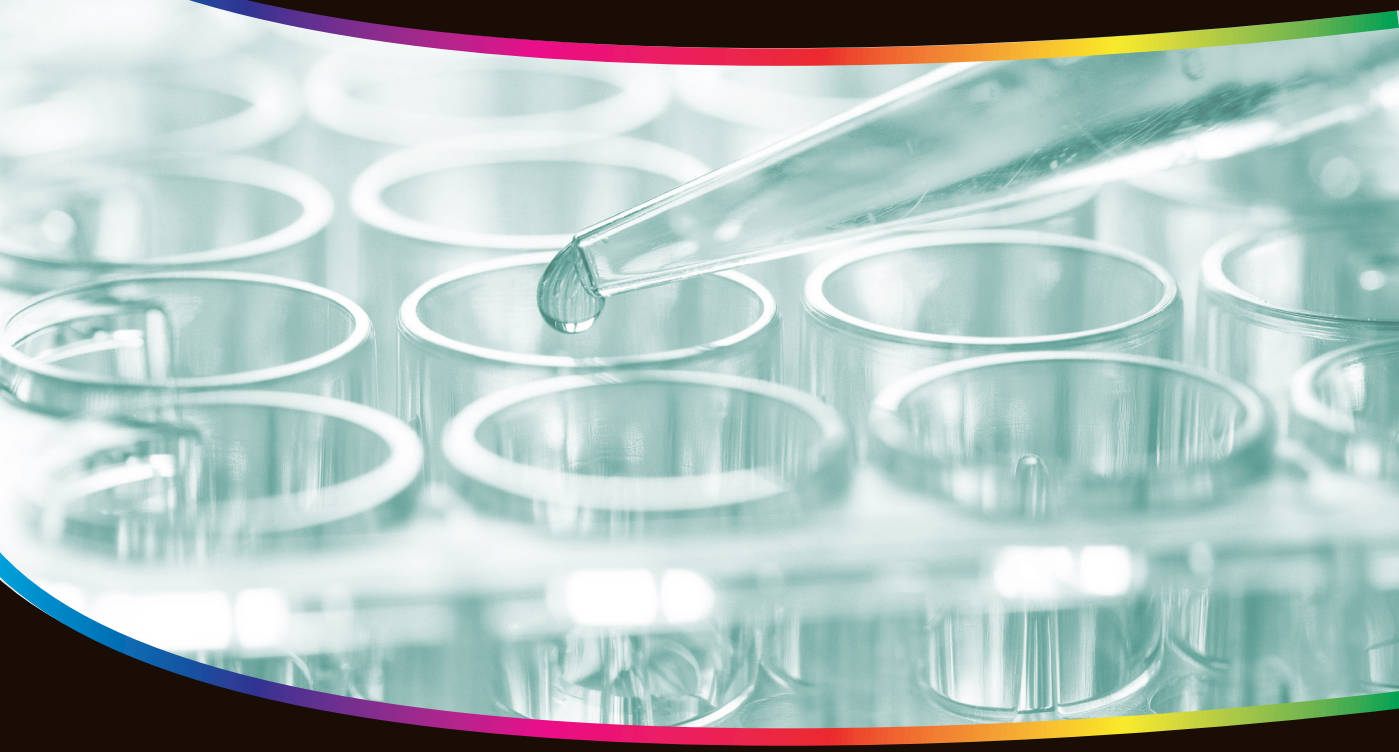
DELIVERY TYRO

The contact lenses that release Tyrosine
for eye development normalization

Sight is nothing without Vision

Safilens
VISION INNOVATORS

Concept



Delivery contact lenses, thanks to the exclusive manufacturing process patented by Safilens, are enriched with natural substances such as **Lachryceuticals®**.

These substances are then released on the anterior segment of the eye during the wearing cycle.

The constant and controlled release is triggered by a combination of body temperature, blinking and eyelid pressure.

To ensure maximum comfort and constant release, the lenses are also enriched with natural polysaccharides with a typical pseudoplastic behavior such as Hyaluronic Acid and ***TSP®***.

Lachryceuticals® *indicates natural constituents present in foods, microbial agents or plants which, by exploiting the pharmaceutical synthesis techniques of products of natural origin, are selected ad hoc and are able to influence some physiological processes.*
They, in particular, can be released directly onto the tear film from contact lenses or taken in the form of eye drops.

All products in this brochure are CE marked medical devices

CE 0123

Tyrosine

DELIVERY TYRO contact lenses are enriched with Tyrosine.

Tyrosine, which is normally taken through food or synthesized by metabolism, is a semi-essential amino acid precursor of various catecholamines[1] (hormones and neurotransmitters) including **Dopamine**.

The presence of **Dopamine** inside the retina has been shown to have an important normalizing effect in ocular development[2], in particular an inhibitory effect on the elongation of the eyeball, similarly its low production was found to be concomitant with refractive errors related to eye particular anatomical conditions[2].

Furthermore, Tyrosine present in plasma overcomes the blood-brain barrier[3] being one of the substances necessary for metabolic functions.

1) Agharanya et al. Changes in catecholamine excretion after short term tyrosine ingestion in normally fed human subjects. Am J Clin Nutr 1981;34(1):82 7.
2) Zhou X et al. Dopamine signaling and myopia development: what are the key challenges. Progress in Retinal and Eye Research 2017;61:60e71.
3) Zlokovic BV at al. Blood brain barrier permeability to leucine enkephalin, d Alanine2 d leucine5 enkephalin and their N terminal amino acid (tyrosine). Brain Research 1985; 336(1):125 32.

A new prospective

The biochemical approach allows to mitigate the risk factors for proper ocular development resulting from the modern lifestyle, such as excessive accommodative effort or poor exposure to the beneficial wavelengths of natural light.
DELIVERY TYRO daily disposable modality makes it possible to ensure safety, hygiene and simplicity for wearers of all ages including youngsters.

Technical Sheet

Wearing method	Giornaliera
Material	Vifilcon C, Tyrosine, Hyaluropolymer+***TSP***®
Water content	60%
Diameter	14.1 mm
Base curve	8.6 mm
Thickness	0.06 mm (-3.00D)
Dk/t	33 (-3.00D @ 35°C)
Handling tint	Light Blue
UV protection	No
Power range	-0.50/-6.00 (0.25) -6.50/-12.00 (0.50)

www.deliverycontacts.com

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Safilens collaborates with the Eye Bank Foundation and supports research against eye diseases

FONDAZIONE BANCA DEGLI OCCHI DEL VENETO - ONLUS

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