

NIOD

NON-INVASIVE
OPTIONS IN
DERMAL SCIENCE



COPPER AMINO ISOLATE SERUM 2:1

PROVIDES 2% GHK OF WHICH 1%
IS BRANCHED WITH COPPER IONS

CAIS2

Available in 15ml and 30ml formats

CAIS2 is the second generation of NIOD's multi-award-winning Copper Amino Isolate Serum. Copper Amino Isolate Serum 2:1 replaces Copper Amino Isolate Serum 1%.

As a highly-focused effort to maintain healthy-looking skin, this pro-repair, pro-collagen serum offers a novel approach to target all signs of skin aging indirectly. This indirect approach departs from the traditional thinking of addressing visible aspects of skin aging individually and instead forms a foundation to respect skin health.

While the first generation of CAIS 1% contained direct GHK copper peptides (known as GHK-Cu), this second generation Copper Amino Isolate Serum 2:1 contains 2% of pure GHK peptide of which 1% branches with copper ions upon mixing with NIOD's patent-pending approach, forming 1% freshly-assembled, pro-repair GHK-Cu (copper peptides) and leaving 1% free-form, pro-collagen GHK peptide. This update also includes the addition of collagen-support peptides, Tripeptide-29, Acetyl Tetrapeptide-2 and Trifluoroacetyl Tripeptide-2. The base system of CAIS2 combines mono-dispersed, plant-derived glycogen, penetration-enhancing Myristoyl Nonapeptide-3 and cross-linked hyaluronic acid.

Finally, while CAIS required a neutral pH, CAIS2 is stable and effective in the pH range between 4.5 (acidic) and 7.4 (alkaline). CAIS2 does not require refrigeration.



TECHNOLOGIES

PRO-HEALTH TECHNOLOGIES

1.0% Pure Undiluted Copper Tripeptide-1 (GHK-Cu) + 1.0% Pure Undiluted Tripeptide-1 (GHK)

CAIS2 supplies 2% pure GHK peptide (Tripeptide-1) separate from copper ions. Upon mixing, 1% Copper Tripeptide-1 (GHK-Cu) is freshly formed as 1% of the GHK peptide branches with free copper ions, leaving 1% pure GHK in free form. Both GHK and GHK-Cu are found in nature and originally isolated from human plasma. The concentration of these peptides in human plasma continues to drop with ageing past late teenage years and this drop exceeds 60% by age 60. The natural role of these peptides as found in the human body includes activation of a wide range of skin health functions, including healing, immune function, collagen synthesis, fibroblast production and anti-inflammatory responses, while pure GHK offers strong pro-collagen support.

Many topical anti-aging products contain variations of GHK and GHK-Cu peptides in extremely small amounts. Generally, these variation peptides are found in parts per million in active technologies that topical products claim to include at high percentages but the final concentration of the variation peptides in topical products is generally less than 0.01% and these peptides would then have to be converted to even smaller amounts of pure copper peptides within the skin.

MIXING DIRECTIONS:

Dispense entire contents of Copper Amino Isolate Activator into Copper Amino Isolate Serum. Discard empty Copper Amino Isolate Activator bottle. Shake Copper Amino Isolate Serum bottle well for 30 seconds. Use twice daily as instructed.

The high 2% concentration of GHK and GHK-Cu in CAIS2 targets signs of skin aging, including visible textural damage, uneven tone, visibly enlarged pores and a general lack of healthy radiance normally present in younger skin. In short, the skin will look healthier with continued visible improvements with continued use.

PRO-COLLAGEN TECHNOLOGIES

9.0% Pure Undiluted Tripeptide-29

This amino acid sequence of Glycine-Proline-Hydroxyproline supports healthy collagen and works synergistically with GHK and GHK-Cu in this function.

4.0% Complex of Acetyl Tetrapeptide-2 and Trifluoroacetyl Tripeptide-2

While pro-collagen peptides broadly focus on collagen quantity, these advanced peptide technologies support healthy collagen quality and assembly for skin that looks firmer and more evenly modelled.

INTEGRITY AND DELIVERY TECHNOLOGIES

0.10% Pure Mono-Dispersed Plant Glycogen

Glycogen is generally extracted from animal sources as a poly-dispersion. This advanced 100% plant-based mono-dispersed glycogen acts like hard spheres that protect the formulation peptides but break upon application for optimal dermal exposure.

DIRECTIONS FOR USE:

Recommended as a core NIOD regimen product to be used twice daily, after cleansing, before the application of other skin treatments. NIOD recommends the application of Multi-Molecular Hyaluronic Complex (MMHC) after the application of this product.

9% Complex of Myristoyl Nonapeptide-3

This lipo-oligopeptide supports healthy skin renewal which is essential for penetration of technologies in this formulation and those used in any subsequent treatments.

Hyaluronic Acid Crosspolymer

A unique cross-linked non-animal form of hyaluronic acid helps with delivery of water and water-soluble actives through its non-equilibrium gel structure.

