

# collapeptyl™ biofunctional

## activate the K-glow and unleash the collagen revolution

99.7% natural hybrid (HA) collagen peptide boosts 20 skin collagens for glass-like glowing skin

vegan and PFAS-free peptide solution

helps correct appearance of wrinkles

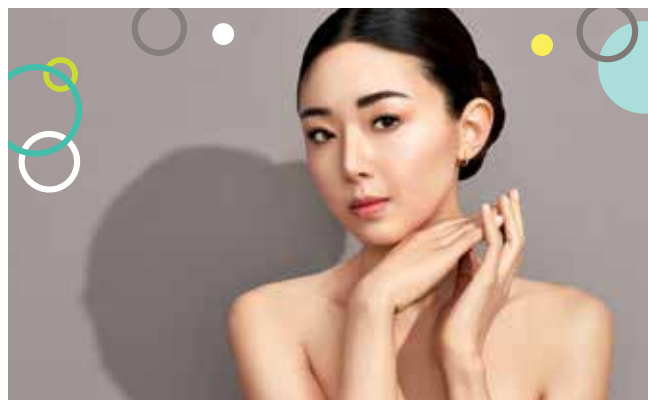
INCI: water (and) glycerin (and) cellulose gum (and) hydrolyzed sodium hyaluronate (and) tripeptide-1 (and) hexapeptide-9

### description

- reinforces K-beauty, vegan collagen and peptide trends
- cellulosic system offers instant sensory feel
- clinical results obtained after just one application of 5% collapeptyl™ in a mask for 25 minutes
- self-assembled interaction shows synergistic performances superior to each bioactive separately and rapid clinical benefits
- two selected peptides mimetic and booster to 20 skin-collagen chain sequences of the collaverse™, the skin ecosystem of interconnected and diverse collagens
- designed by molecular modeling science
- developed with the patented 2HP™ technology (Hyaluronic Hybrid Peptide)

### key features and benefits

- dual action power
  1. sensorial booster: first texturactive™ cosmetic sensorial active offering a velvet touch and smooth effect
  2. anti-aging and hydration
- synergistic efficacy
- boosts the expression of 20 collagen chains of the skin (dermis, DEJ, epidermis)
- reveals the instant glass-like radiant, plump, smooth skin and velvety skin feel in just one application in a mask
- corrects appearance of expression wrinkles and deep wrinkles
- clinically proven to improve skin elasticity and the appearance of skin wrinkles (in vivo)



### formulation idea

[coll] 20 peptide gel cream (#100-10190W)

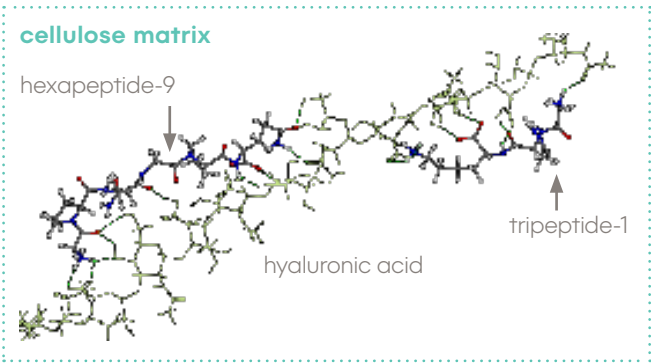
- anti-wrinkle and age-defying cosmetic formulation
- pro-collagen and hyaluronic acid booster concepts
- regenerative and repair cosmetic care
- cosmetic product for dermis architecture and extra-cellular matrix
- collagen mask
- plumping and firming product
- skin redensifying cream
- make-up and hybrid products, BB creams, tinted serum
- firming body care cream and serum
- highly sensorial velvet and smooth anti-aging cosmetic products

### technical information

- recommended use level 3 to 5% (clinically tested at 5%)
- at 3% partial benefits (12 collagen chain markers in vitro)
- at 5% full activity: >20 collagen chains, instant effect, sensorial feeling, synergistic superior anti-aging effect
- no preservatives
- other: pentylene glycol, levulinic acid
- ISO 16128 natural origin content 99.7%
- readily biodegradable\*
- listed on China IECIC, IECSC

\*according OECD 301D test

collapeptyl™ structure  
designed by Molecular Modeling



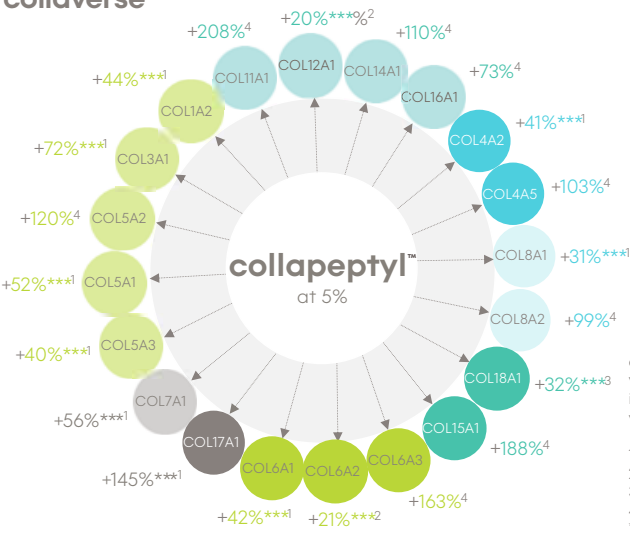
sensory evaluation: consumer panel

cream with 5% silicone vs cream with 5% collapeptyl™



boosts 20 collagen-chains of the skin

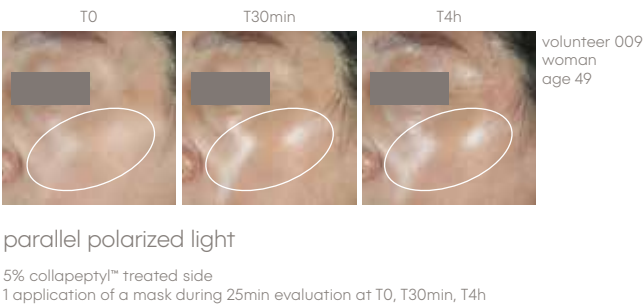
collaverse™



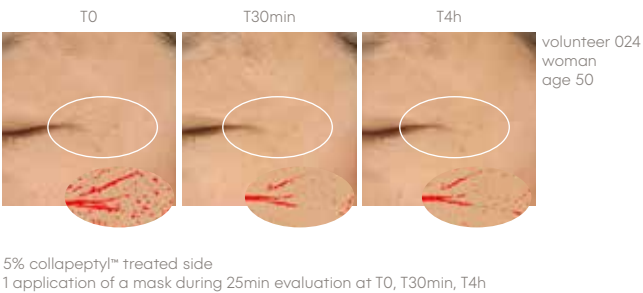
ex vivo: 5% collapeptyl™ vs control  
in vitro, cells: 0.5% collapeptyl™ vs control

1. ex vivo, biopsy, IHC  
2. in vitro, fibroblasts, ICC  
3. in vitro, keratinocytes, ICC  
4. in vitro, qPCR, fibroblasts  
\*\*\* highly significant

glass-like, glowing skin effect



addresses crow's feet wrinkles



clinical evaluation on Caucasian and Asian skin

3min	30min	4h	1 month
velvet smooth skin <sup>6</sup>	flash hydration x15**** <sup>3</sup> elasticity +538%**** <sup>2</sup> instant plump +547%**** <sup>1</sup>	glowy skin +48%*** <sup>4</sup> expression wrinkles -992%**** <sup>5</sup>	main wrinkles -187%*** <sup>5</sup> hydration +190% <sup>3</sup> elasticity +140%*** <sup>2</sup> suppleness +8%*** <sup>6</sup> softness +6%*** <sup>6</sup>

1. Q1 elastic recovery, higher with more plump  
2. R2: Gross elasticity vs placebo  
3. corneometer vs placebo  
4. glossometer vs placebo  
5. cross-feet wrinkles - wrinkle area  
6. consumer sensory evaluation
- \* significant  
\*\* very significant  
\*\*\* highly significant  
\*\*\*\* extremely significant



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