



VITA-HA 400

Hyaluronate-Vitamin C derivative

Product name	VITA-HA 400
INCI name	Ascorbyl Propyl Hyaluronate
Korean name	아스코빌프로필 하이알루로네이트
CAS No.	1800464-57-6
EFFECTS	<ol style="list-style-type: none"> 1. Skin moisturizing effect 2. Melanin synthesis inhibition / Skin whitening 3. Antioxidant effect 4. Anti-inflammatory effect (skin trouble inhibition) 5. Collagen synthesis promotion

Hyaluronate-Vitamin C derivative VITA-HA₄₀₀

VITA-HA₄₀₀ is a raw material for wrinkle improvement, moisturizing, skin soothing, and skin whitening that overcomes the instability of vitamin C by combining ascorbic acid (vitamin C) to hyaluronic acid(HA). Ascorbic acid stabilized within VITA-HA₄₀₀ maintains its activity by not being destroyed by light or heat during the manufacturing process and preservation and effectively shows antioxidant, anti-wrinkle, and whitening activity when applied to the body. Also, it has the efficacy of hyaluronic acid that is natural moisturizing factor, so it has excellent anti-aging and moisturizing effect.

Evidence Report

© *in vitro* tests

EFFICACY TEST 1: Whitening (Inhibition of melanin)

EFFICACY TEST 2: Whitening (Inhibition of tyrosinase activity)

EFFICACY TEST 3: Anti-ageing (Collagen biosynthesis)

EFFICACY TEST 4: Anti-ageing (Dermal fibroblast proliferation)

EFFICACY TEST 5: Skin protection (Strengthen the skin structure & barrier)

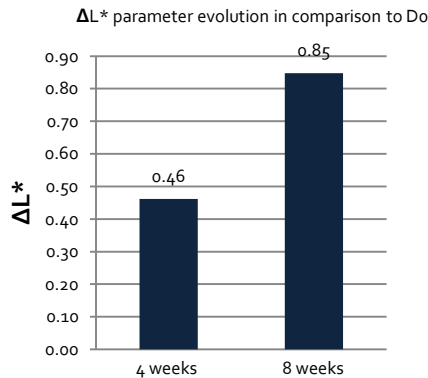
EFFICACY TEST 6: Anti-inflammation

EFFICACY TEST 7: Stability (Improvement the stability of ascorbic acid)

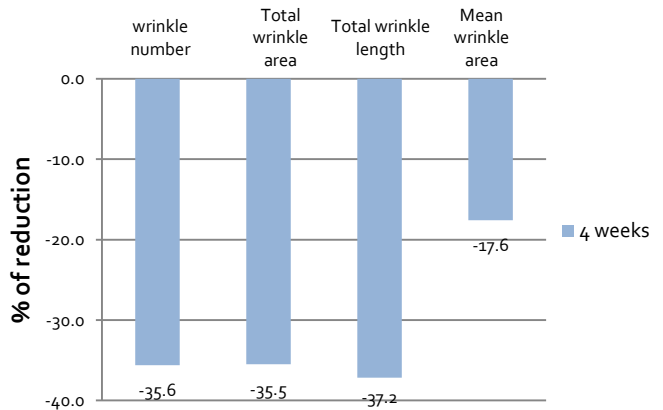
© Clinical test

EFFICACY TEST 8: Clinical study (Whitening)

EFFICACY TEST 9: Clinical study (Anti-wrinkle)



In a clinical study with 20 Asian healthy female volunteers (Bangkok), aged 44 to 61, 0.005 % formula containing VITA-HA₄₀₀ had been applied twice daily during 8 weeks on the face area.



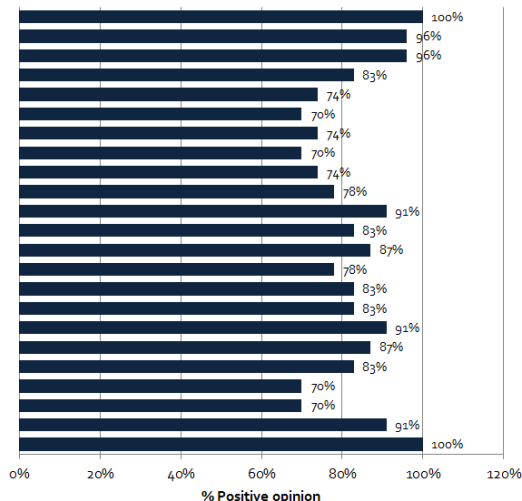
● ΔL* = Luminosity (Lightness)

L 0 is black, L 100 is white

● ITA° = Arc tan ((L*-50)/b*) 180°

EFFICACY TEST 10: Clinical study (Self-assessment)

My skin is moisturized
 My skin is softer
 My skin is more supple
 My skin is smoother
 My skin restored its elasticity
 My skin is like lifted
 Wrinkles and fine lines on the face are less visible
 Wrinkles and fine lines on the crow's feet area are less visible
 Nasolabial fold is less visible
 Forehead wrinkles are less visible
 My skin is firm
 My skin seems younger and healthier
 My skin around the eye contour is smoother
 My skin is more even
 My facial pores are tightened
 My skin tone is more even
 My skin is brighter
 My eye circle (dark circle) is less visible
 My hyperpigmented spots are brighter
 My dark scars are faded/less visible
 Skin redness is less visible
 My skin is soothed and calm
 Overall, are you satisfied with the tested product?



Self assessment

Volunteers agree that VITA-HA₄₀₀ makes improvement the skin