

Soliance - Wakamine

A lightening active for a porcelain skin



Givaudan

engage your senses



Wakamine

A lightening active for a porcelain skin

Wakamine is a peptidic extract of a brown macroalgae, *Undaria pinnatifida*. This potent lightener, especially designed for dark skin and uneven skin tone, safely brightens the skin to obtain a fair and flawless porcelain complexion.

Whitening effect

Melanin pigments are synthesized in specialized cells called melanocytes and confer to the skin its dark color.

Tyrosinase is the key enzyme in pigment synthesis, initiating a cascade of reactions which converts tyrosine into colored melanin.

Wakamine naturally inhibits tyrosinase to limit melanin production and lighten the skin.

Inhibition of melanin production (Ex vivo test)

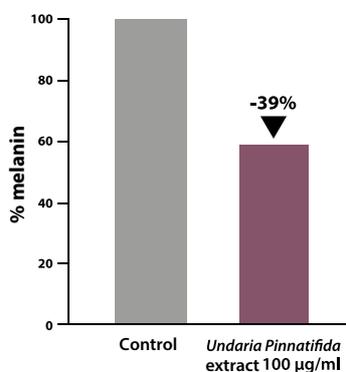
Skin explants were treated with *Undaria pinnatifida* extract and L-DOPA solution. The pictures under a microscope were then quantified for melanin content.



Control:
melanocytes are visible



Undaria pinnatifida extract (100µg/ml):
melanocytes are slightly visible

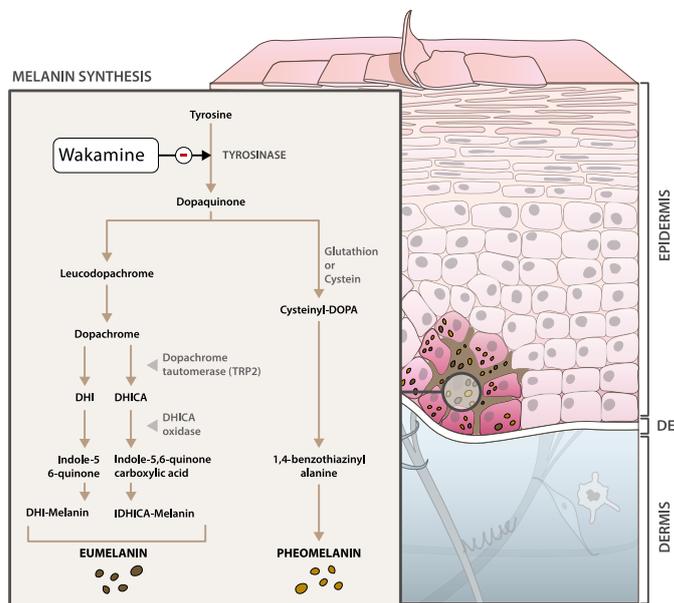


By inhibiting tyrosinase, Wakamine limits melanin production.

Reduction of mexametric index (In vivo test)

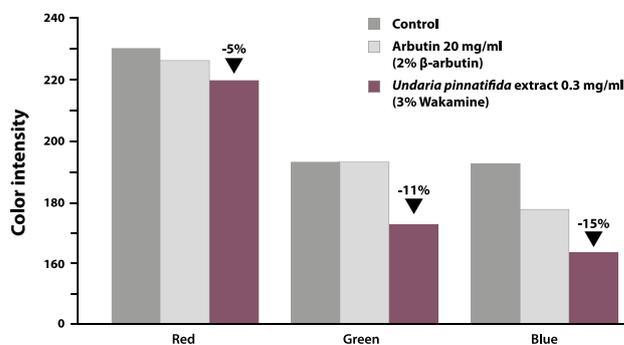
A panel (22 asian type volunteers) applied, twice a day during 56 days, a cream containing 2% of arbutin or 1% of arbutin and 1% of Wakamine. Skin color is evaluated with a mexameter.

Replacing 1% of arbutin by 1% of Wakamine allows similar results.

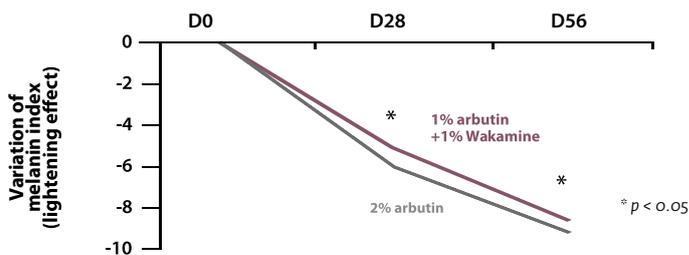


Reduction of skin color (Ex vivo test)

Skin explants were daily treated for 6 days with a solution of Wakamine 3%. Color intensity was assessed by image analysis.



Wakamine outperforms arbutin (quasi drug reference in Japan) with fast visible results.



Cosmetic references: Wakamine XP⁽¹⁾ | Preservative: Benzyl alcohol and potassium sorbate

Wakamine 1%⁽²⁾ | Preservative: Phenoxyethanol

INCI name: Water (and) *Undaria pinnatifida* extract | Dosage: 1% to 3% | Form: liquid | Hydrosoluble

Cosmetic applications: Skin lightening products, age spots prevention products, specific care for Asian skin.

