



MacDerma™ CSA

Anti-Wrinkle
Exfoliant
Skin Lightening

McKinley
resources, inc.

MacDerma™ CSA

Capryloyl Salicylic Acid, also referred to as lipohydroxy acid (LHA), is a lipophilized derivative of salicylic acid. The compound has corneolytic, anti-inflammatory, anti-microbial and anti-comedonic activities.

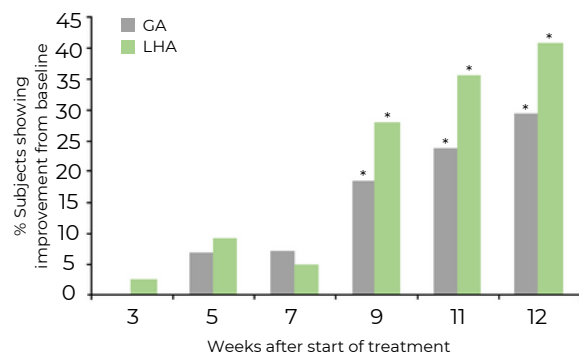
EFFICACY TESTING

METHOD

Fifty female volunteers between the ages of 35 and 60 were treated with increasing peel concentrations (5-10% LHA or 20-50% glycolic acid, GA).

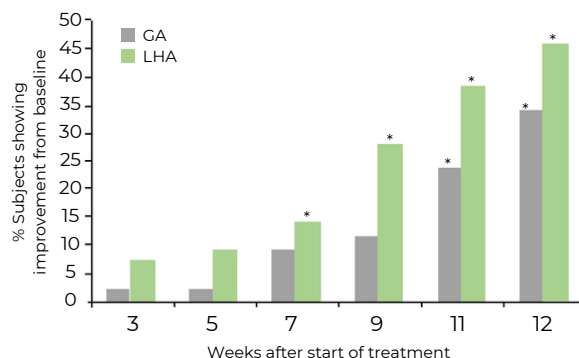
Dermatologic evaluation of the face was performed before the peeling procedure and biweekly for 12 weeks.

In-vivo Testing of Effect on Lines and Wrinkles¹



From nine weeks on, Capryloyl Salicylic Acid significantly improved lines and wrinkles compared to baseline evaluations

In-vivo Testing of Effect on Hyperpigmentation¹



From seven weeks on, Capryloyl Salicylic Acid significantly improved hyperpigmentation compared to baseline evaluations

Overall, a 5-10% Capryloyl Salicylic Acid peel is as effective as a 20-50% Glycolic Acid peel for reducing fine lines and wrinkles and facial hyperpigmentation.

REFERENCE:

1. Oresajo, C., Yatskayer, M., and Hansenne I. Clinical tolerance and efficacy of capryloyl salicylic acid peel compared to a glycolic acid peel in subjects with fine lines/wrinkles and hyperpigmented skin. Journal of Cosmetic Dermatology, 7, pp. 259- 262, 2008.

TYPICAL PROPERTIES

TEST	SPECIFICATION
Appearance	White to off-white powder
Assay	≥ 98.0%
Melting Point	112.0-117.0°C

BENEFITS & FEATURES

- Anti-Wrinkle
- Anti-Inflammatory
- Exfoliant
- Skin Lightening

FORMULATION GUIDELINES

SOLUBILITY:

Soluble in oil and alcohol; soluble in butylene glycol, pentylene glycol, and hexylene glycol; sparingly soluble in propanediol; very slightly soluble in water

STABILITY:

pH 4.5 - 6.0

RECOMMENDED USE LEVEL:

1.0 - 10.0% (5-10% for peels)



APPLICATIONS

- | | |
|--------------|-------------|
| Peels | Cleansers |
| Moisturizers | Toners |
| Acne Cream | Shampoo |
| Skin Faders | Conditioner |
| Facial Scrub | |