



DECREASED NUMBER OF ENLARGED PORES AND FINE LINES WITH FLORAESTERS K-20W® JOJOBA IN A FACE MASK

CS 14-060



Floraesters K-20W Jojoba in a Face Mask Decreases the Number of Enlarged Pores and Fine Lines

Skin Health Parameter	Test Article	Mean Difference (count)	Subjects that showed a decrease (%)
Enlarged Pores	Vehicle + 1% K-20W	-115	80%
	Vehicle	-21	56%
Fine Lines	Vehicle + 1% K-20W	-5	67%
	Vehicle	2	40%



Objective: To evaluate Floraesters K-20W Jojoba in a face mask for its potential to reduce the number of enlarged pores and fine lines.

Method: Skin health parameters were measured by counts of enlarged pores (defined as an enlarged pore that meets the detectable size threshold of >0.5mm) and fine lines (defined as thin lines produced by skin crepiness¹ / thinning) using the Clarity Pro Advanced skin analysis system with the Facial Stage DM-3. Skin health evaluations were conducted at baseline and after two weeks of once-daily (20 minutes) at-home face mask use.

Results: 1% Floraesters K-20W Jojoba in a standard face mask solution produced reductions in pore size (as determined by enlarged pore counts) and fewer fine lines compared to the vehicle ($p < 0.05$). Consumers preferred the face mask with Floraesters K-20W Jojoba 2:1 for both skin hydration and a soothing / calming effect on the skin compared to the face mask without.

Vehicle (%wt/wt): Water (q.s.), Butylene Glycol (4.0%), Glycerin (1.5%), Xanthan Gum (0.12%), Hydroxyethylcellulose (0.06%), Chlorphenesin (0.05%), PEG-4 Laurate (and) Iodopropynyl Butylcarbamate (0.037%), Sodium Hyaluronate (0.016%), and Methylisothiazolinone (0.005%).

**Floratech Ingredient:
Floraesters K-20W Jojoba**

The clinical study of Floratech® test formulation (CTL_13-051) was conducted on a panel of 16 healthy females ranging from 30 to 60 (mean age = 46) years of age with normal skin on the face. The data presented above was obtained from a crossover study where the subjects wore each mask daily for two weeks with a 3 day washout between masks. All images were taken under controlled temperature and humidity conditions, followed by analysis by the BTBP Clarity Pro Advanced software. The BTBP Clarity Pro Advanced and Facial Stage DM-3 are products of BrighTex Bio-Photonics, LLC (San Jose, CA). This study was double-blind, crossover, and randomized. Face masks were manufactured by Maxigen Biotech Inc. (New Taipei City, Taiwan). (Clinical Study 13-051 report available upon request.)

1. Crepiness is defined as skin having a wrinkled surface.