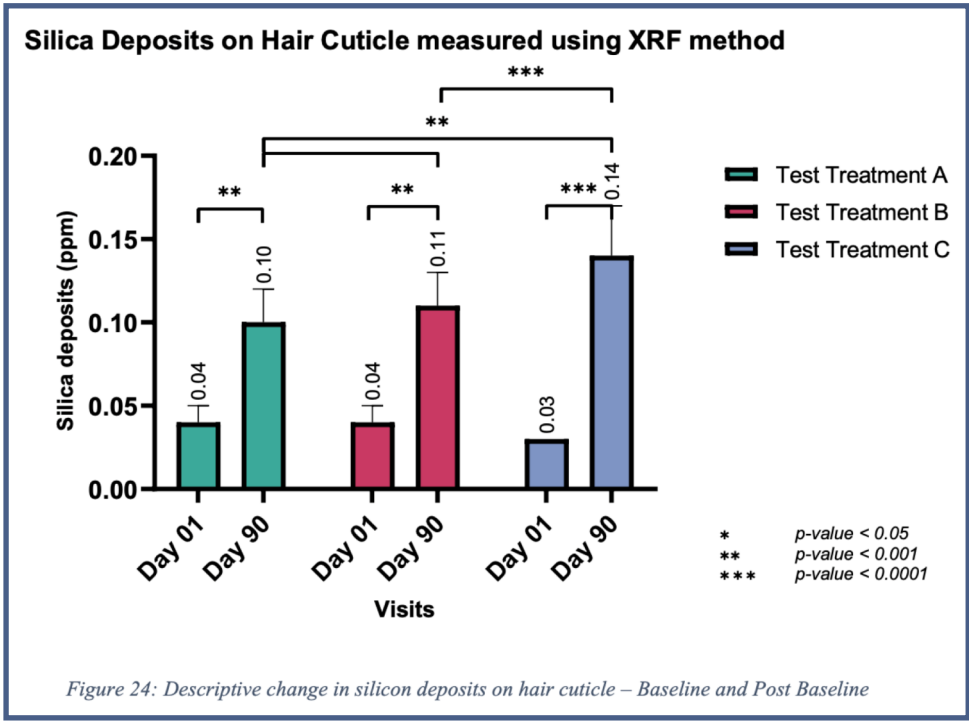
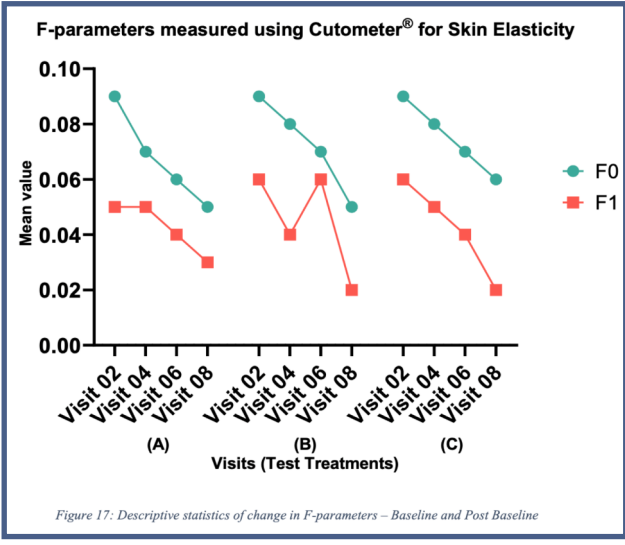
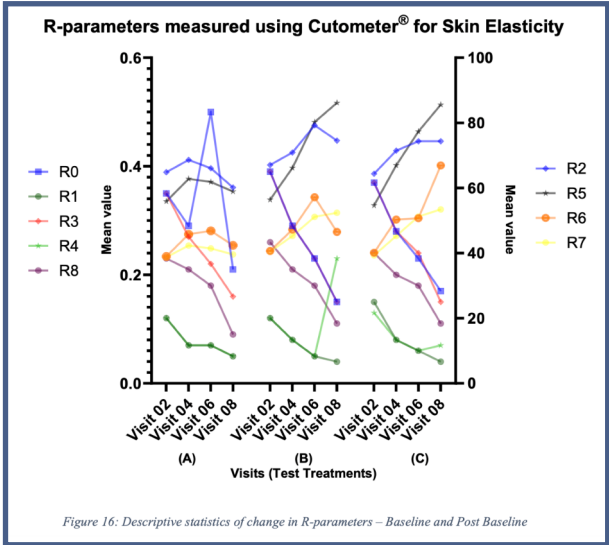


This clinical study aimed to assess the safety and efficacy of two products: plant-based Biotin and plant-based Biotin with Silica, in healthy adult subjects experiencing hair fall, thin, dry, and brittle hair, as well as dry skin.

A total of 105 subjects (35 per test treatment) were enrolled, with 97 subjects completing the study. Evaluations were conducted at various time points, beginning with baseline assessments on Day 04 before initiating the test treatment on Day 01. Subsequent evaluations occurred on Day 27, Day 30, Day 57, Day 60, Day 87, and Day 90 post-treatment commencement.

Various methodologies were employed for assessment. The 60-S Hair combing method measured hair fall, while CASLite Nova (Phototrichogram) assessed hair density, thickness, growth rate, and scalp condition. The PGA Score evaluated signs of brittle nails and surface characteristics. Visioscan® VC 20plus examined wrinkles, fine lines, and skin texture attributes, and MoistureMeterEpiD measured skin hydration. The Hair Pull Test and Pluck Test assessed hair strength and the A:T ratio in the Hair Growth Cycle. Cutometer® measured skin elasticity, while PGA Griffith Scale evaluated skin parameters. Tewameter® TM Hex assessed skin barrier function, and General Appearance of Hair encompassed evaluations of hair characteristics. Digital photographs captured facial images before and after treatment consumption.

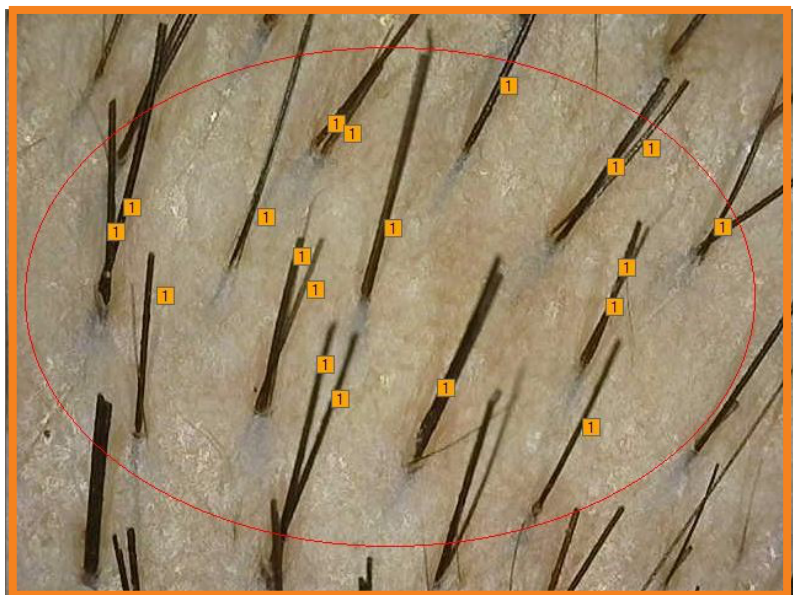
Blood parameters, including CBC, total Serum Cholesterol, Triglyceride, Random Glucose, LDL, HDL, and HBsAg, X-RF for Biotin were analyzed. Subjective product perception assessments were conducted to gather insights into participants' perceptions regarding various aspects, including skin and hair condition.



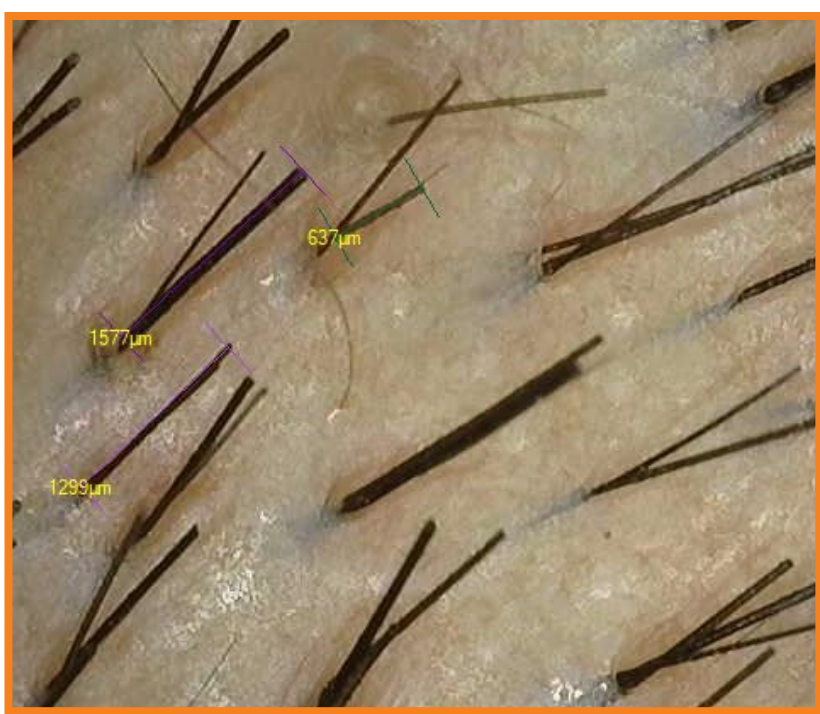
Day 01  
Before Product Usage



Hair Thickness



Hair Density



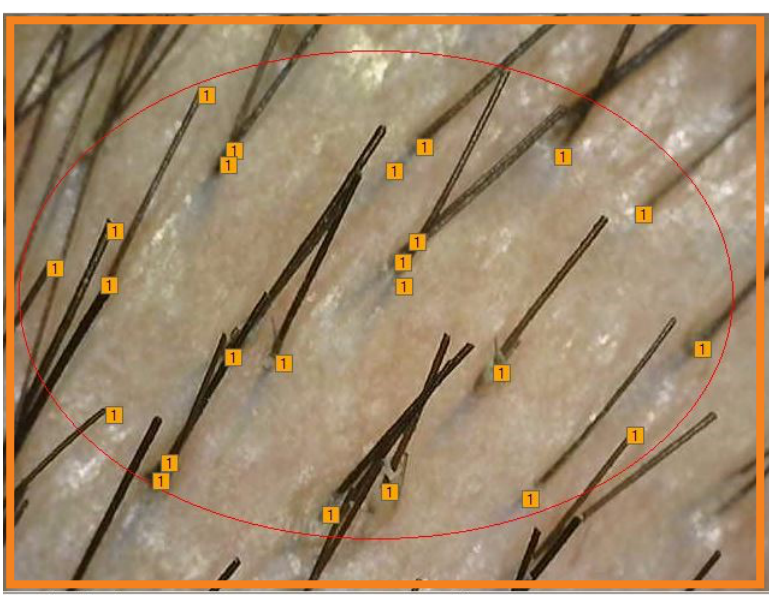
Hair Length



Day 60  
After Product Usage



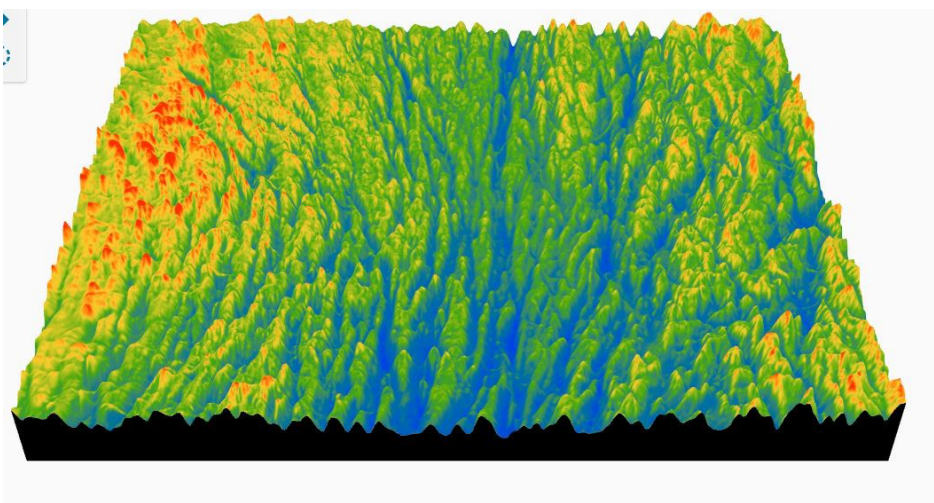
Hair Thickness



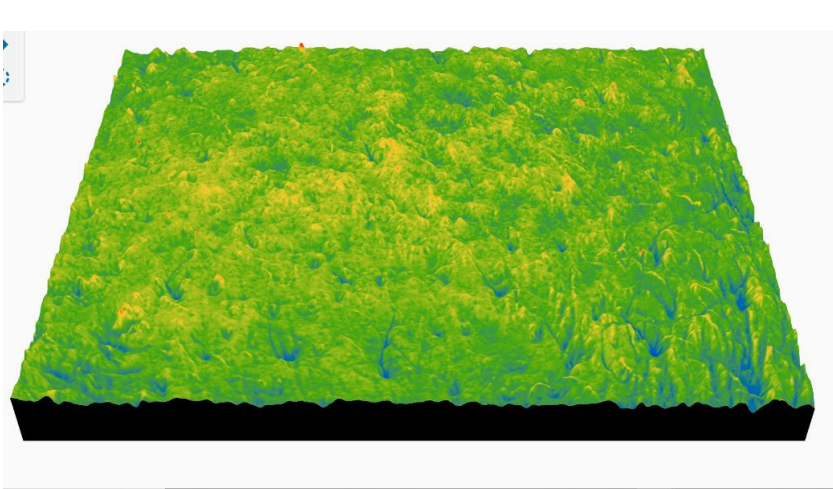
Hair Density



Hair Length



Before product usage



Post product usage