



NEUTROGENA MSO HAIR PENETRATION STUDY

Applications of natural vegetable oils to hair have beneficial effects, like strength and conditioning, arising from the ability of these oils to penetrate into the hair fiber.

OBJECTIVE:

This study investigated the penetration profiles of various vegetable oils into the hair fiber.

STUDY FINDINGS:

- olive oil and avocado oil – penetration complete, uniform throughout hair fibercross-section
- Meadowfoam Seed Oil – penetration occurred in a broad peripheral ring
- almond oil – restricted to very narrow peripheral penetration
- jojoba oil and sunflower oil – no penetration

SOURCE:

Hornby, S. B., Appa, Y., Ruetsch, S., & Kamath, Y. Mapping penetration of cosmetic compounds into hair fibers using time-of-flight secondary ion mass spectrometry (TOF-SIMS). International Journal of Cosmetic Science, 27(5), 299-299. 2005.



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