

Tokyo, Japan

Nikko Chemicals and *Oji Holdings Corporation* to collaborate on Development of Cellulose Nanofibers for cosmetic applications

Nikko Chemicals announced today that they have signed an agreement with *Oji Holdings Corporation (Oji)* to launch the joint development of Cellulose Nanofibers (CNF) for cosmetic applications.

CNF are nano-sized fibers, the width of which ranges from four to a few dozen nanometers (1 nm = 1 millionth of 1 mm). CNF are produced from wood fiber (pulp) from natural wood and are a renewable “green” material that performs as a moisturizer, rheology thickener, and dispersion and thixotropic* agent, each with unique properties. A wide range of cosmetic applications are under development thanks to CNF’s non-stickiness and excellent moisturizing properties that feel like wearing “water over the skin.”

Innovations in *Oji*’s own technology have enabled the optimization of production processes as well as improved the overall characteristics of CNF.

GSC+E (Green, Clean, Sustainable + Economy), the strategic approach of *Nikko Chemicals*, implements sustainable growth by way of both ecological and economical excellence. This is put into practice in both R&D and manufacturing processes, assuring high-quality, high performance cosmetic raw materials.

The launch of the joint development program is driven by basic research on this material, which have proved the many outstanding characteristics of CNF in cosmetic applications.

Leveraging the expertise and competence of *Nikko Chemicals* and *Oji*, a new age in the development of attractive new cosmetics has now commenced.

*The ability of certain colloidal gels to liquefy when agitated and to return to the gel form when at rest. : The Condensed Chemical Dictionary Ninth Edition, p 860 (1974)

About Oji Holdings Corporation

- Headquarters: 7-5, Ginza 4-chome, Chuo-ku, Tokyo
- Representative: Susumu Yajima, President
- Founded: February 12, 1873
- Main business: Industrial Materials, Household and Consumer Products, Functional Materials, Forest Resources and Environment Marketing, Printing and Communications Media, etc.
- Capital: 103,880 million yen

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