

New method for Quats deposition & correlation with Hair-conditioning properties, *Géraldine Louvet, Thor Chemicals*

Quats are cost-effective conditioning actives for personal care providing a variety of benefits to hair: reducing the combing force, conferring smoothness and antistatic properties and improving its manageability.

Their deposition on hair is explained by the electrostatic interaction between the positive charge of the molecule and the negative charge of hair surface.

A methodology aimed to mimic the interaction of Quats with hair by using anionic textiles (wipes) is developed. Parameters such as the nature of wipe, the influence of the concentration and pH of Quats or the rinsing method are examined to finally disclose their retention and build-up effect.