Incorporation of pseudoboehmite nanoparticles into nanoemulsions containing carnosine with different oils

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Abstract:
Pseudoboehmite is a fine ceramic obtained by the sol-gel process with a high degree of purity and high porosity. In several studies, this material is being used as a nanocarrier. In this work, The nanoemulsions obtained contain buriti vegetable oil, lavender essential oil, or frankincense with carnosine and 3% by mass of pseudoboehmite, and aim to contribute to the preparation of nanoemulsions for use in cosmetics. The results demonstrated that it is possible to obtain different formulations with a pH between 5-6 compatible with the skin's pH, density lower than or close to water, good homogeneity and a decrease in particle size.