

PHYSICAL AGING OF EMULSIONS CONTAINING COATED TIO2-NANOPARTICLES: INTERACTION BETWEEN NANOPARTICLES AND OTHER INGREDIENTS

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emulsion by steric hindrance, during aging, hydrophobic NP form large aggregates that make the emulsion less homogenous and alters the emulsion macroscopic properties (spreading quality,...). Innovative protocols for NP extraction from the fresh/aged emulsions were developed. Characterizations by TGA proved that emulsion compounds quickly adsorbed the NP surface

which modified the NP chemistry and properties. Hence, the observed mechanisms in emulsions are linked to the surface nature of the NP and moreover, these surface modifications have to be taken into account.

analysis. Moreover, studying the impact of adsorbed species on the surface properties (polarity, charge) will allow understanding these complex phenomena.

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UAND I Chen 3) DUNFORD, R.; SALINARO, A.; CAI, L.; SERPONE, N.; HORINJORI, J.; MONIN, M.; MONIN, M.; MONIN, M.; ROSE, J.; BOTTA, C.; BORSCHNECK, D.; SAMMUT, M.; CABIE, M.; AUFFAN, M.; ROSE, J.; BOTTA, C.; BORSCHNECK, D.; SAMMUT, M.; CABIE, M.; AUFFAN, M.; ROSE, J.; BOTTA, C.; BORSCHNECK, D.; SAMMUT, M.; CABIE, M.; AUFFAN, M.; ROSE, J.; BOTTA, C.; BORSCHNECK, D.; SAMMUT, M.; CABIE, M.; AUFFAN, M.; ROSE, J.; BOTTA, C.; BORSCHNECK, D.; SAMMUT, M.; CABIE, M.; AUFFAN, M.; ROSE, J.; BOTTA, C.; BORSCHNECK, D.; SAMMUT, M.; CABIE, M.; AUFFAN, M.; ROSE, J.; BOTTA, C.; BORSCHNECK, D.; SAMMUT, M.; CABIE, M.; AUFFAN, M.; ROSE, J.; BOTTA, C.; BORSCHNECK, D.; SAMMUT, M.; CABIE, M.; AUFFAN, M.; ROSE, J.; BOTTA, C.; BORSCHNECK, D.; SAMMUT, M.; CABIE, M.; AUFFAN, M.; ROSE, J.; BOTTA, C.; BORSCHNECK, D.; SAMMUT, M.; CABIE, M.; AUFFAN, M.; ROSE, J.; BOTTA, C.; BORSCHNECK, D.; SAMMUT, M.; CABIE, M.; AUFFAN, M.; ROSE, J.; BOTTA, C.; BORSCHNECK, D.; SAMMUT, M.; CABIE, M.; AUFFAN, M.; ROSE, J.; BOTTA, C.; BORSCHNECK, D.; SAMMUT, M.; CABIE, M.; AUFFAN, M.; ROSE, J.; BOTTARO, J.; V.; AUFIN, M.; ROSE, J.; BOTTARO, J.; V.; AUFIN, M.; ROSE, J.; BOTTARO, J.; V.; AUFIN, M.; AUFIN, M.; ROSE, J.; BOTTARO, J.; V.; AUFIN, M.; AUFIN, M.; ROSE, J.; BOTTARO, J.; V.; AUFIN, M.; ROSE, J.; BOTTARO, J.; AUFIN, M.; ROSE, J.; BOTTARO, J.; V.; AUFIN, M.; ROSE, J.; BOTTARO, J.; V.; AUFIN, M.; ROSE, J.; BOTTARO, J.; AUFIN, M.; AUFIN, M.; ROSE, J.; BOTTARO, J.; AUFIN, M.; A and DNA da catalysed by inorganic sunscree sites used in sunscreen. Dis aqueous environment. Environmental Politico IER, N.; PICARD, C.; COLLETA, D.; LE FOLL, F.; GRI G.; GRISEL, M.: PICAPD, C. Characteria n 2010, 3482–3489 SEL, M. Int. J. Phan 2014, 461 (1-2), 89-96

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